Owner's Manual

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

CAMRY HYBRID

TOYOTA

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4 Driving

5 Interior features

For your information

Main Owner's Manual

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

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

Depending on specifications, the vehicle shown in the 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 Motor Corporation therefore cannot accept any liability or guarantee spare parts and accessories which are not genuine Toyota products, nor for replacement or installation involving such parts.

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

Also, remodeling like this will have an effect on advanced safety equipment such as Toyota Safety Sense and there is a danger that it will not work properly or the danger that it may work in situations where it should not be working.

Cyber Attack Risk

Installing electronic devices and radios increases the risk of cyber attacks through the installed parts, which may lead to unexpected accidents and leakage of personal information. Toyota does not make any guarantees for problems caused by installing non-genuine Toyota products.

Installation of an RF-transmitter system

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

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

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

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

High voltage parts and cables on the hybrid electric vehicles emit approximately the same amount of electromagnetic waves as the conventional gasoline powered vehicles or home electronic appliances despite of their electromagnetic shielding.

Unwanted noise may occur in the reception of the radio frequency transmitter (RF-transmitter).

Vehicle data recording

This vehicle is equipped with sophisticated computers that record certain data regarding vehicle controls and operations.

Data recorded by the computers

Certain data, such as the following, is recorded depending on the operation timing and status of each function.

- Engine speed/Electric motor speed (traction motor speed)
- Accelerator status
- Brake status
- Vehicle speed
- Operation status of the driving assist systems
- Images from the cameras

Your vehicle is equipped with cameras. Contact your Toyota dealer for the location of recording cameras.

The recorded data varies according to the vehicle grade level, options and destinations with which it is equipped.

These computers do not record conversations or sounds, and only record images outside of the vehicle in certain situations.

Data usage

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

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

- With the consent of the vehicle owner or with the consent of the

lessee if the vehicle is leased

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

Image information recorded by the vehicle can be erased by your Toyota dealer.

The image recording function can be disabled. However, if the function is disabled, data from when systems operate will not be available.

If you wish to stop the collection of Toyota Safety Sense data by the Toyota servers for the purpose of research and development and provision to individual services, contact your Toyota dealer.

Usage of data collected through TOYOTA Connect

If your Toyota has TOYOTA Connect and if you have subscribed to those services, please refer to the TOYOTA Connect usage contract for information on data collected and its usage.

For more information, visit https://www.toyota.com.au/privacy.

Event data recorder

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an airbag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. However, data may not be recorded depending on the severity and type of a crash.

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

- How various systems in your vehicle were operating;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

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

NOTE: EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and

access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

● Disclosure of the EDR data

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

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

However, if necessary, Toyota may:

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

Scrapping of your 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.

"QR Code"

The word "QR Code" is registered trademark of DENSO WAVE INCORPORATED in Japan and other countries.

WARNING

■ General precautions while driving

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

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

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

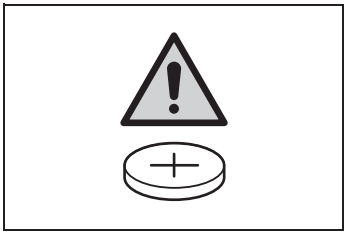
■ General precaution regarding children's safety

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

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

WARNING

■ General precaution regarding a coin battery and button battery



This product contains a coin battery or button battery.

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

- Keep away new and removed batteries from children.
- Do not swallow the battery. Doing so may cause chemical burns.
- If a battery is swallowed, it may cause severe chemical burns in as little as 2 hours and may result in death or serious injury.
- If you accidentally swallow a battery or put a battery into a part of your body, get emergency medical attention immediately.

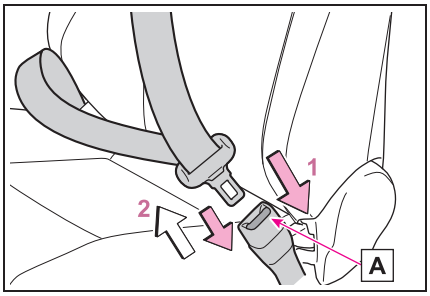
Reading this manual

Explains symbols used in this manual.

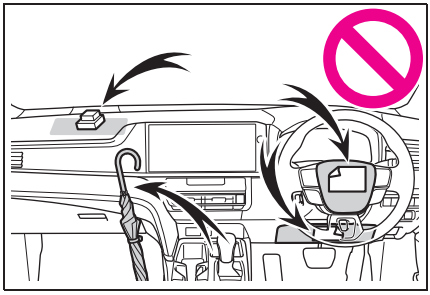
Symbols in this manual

Symbols	Meanings
	WARNING: Explains something that, if not obeyed, could cause death or serious injury to people.
	NOTICE: Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
1 2 3...	Indicates operating or working procedures. Follow the steps in numerical order.

Symbols in illustrations



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

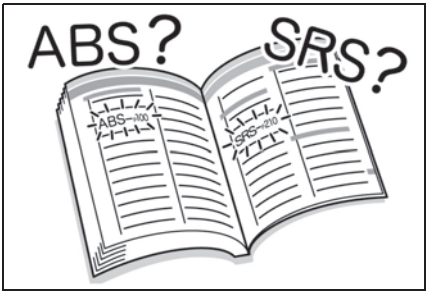


Symbols	Meanings
	Indicates the component or position being explained.
	Means **Do not**, **Do not do this**, or **Do not let this happen**.

How to search

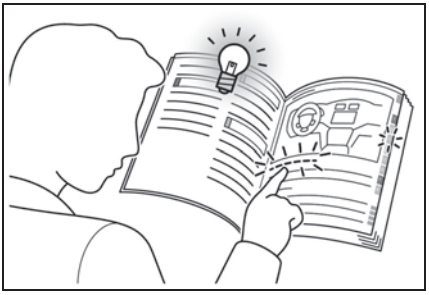
Searching by name

- Alphabetical index: →P.427



Searching by installation position

- Pictorial index: →P.13

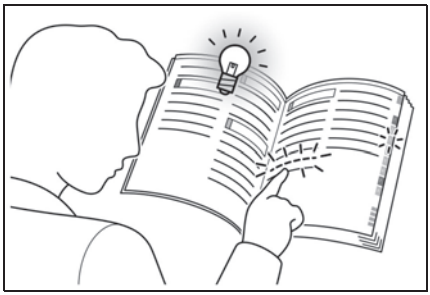


Searching by symptom or sound

- What to do if... (Troubleshooting): →P.424

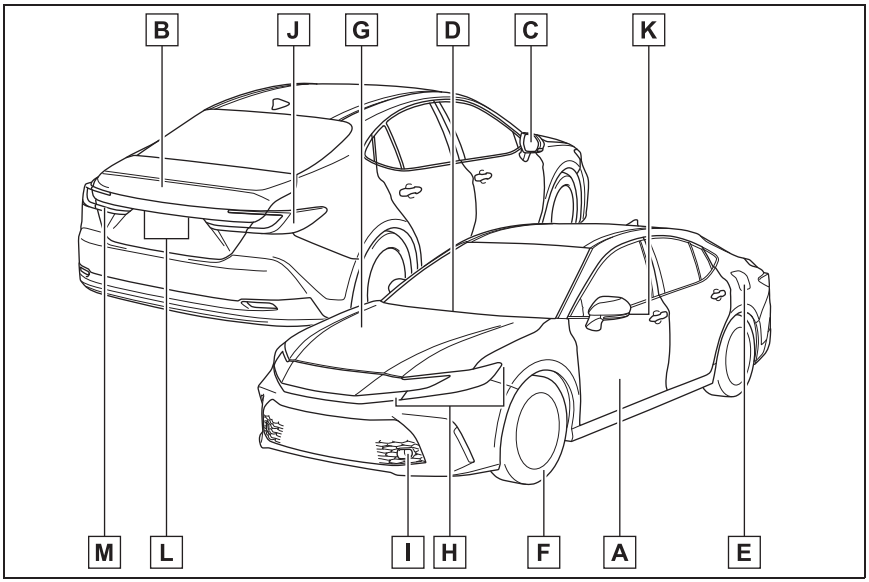
Searching by title

- Table of contents: →P.2



Pictorial index

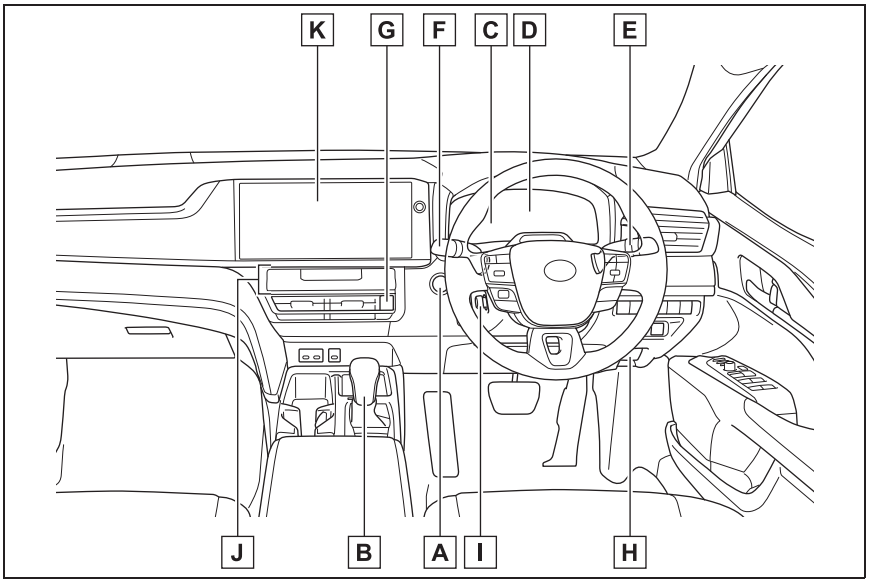
■Exterior



Light bulbs of the exterior lights for driving
(Replacing method: P.346, Watts: P.408)

*: If equipped

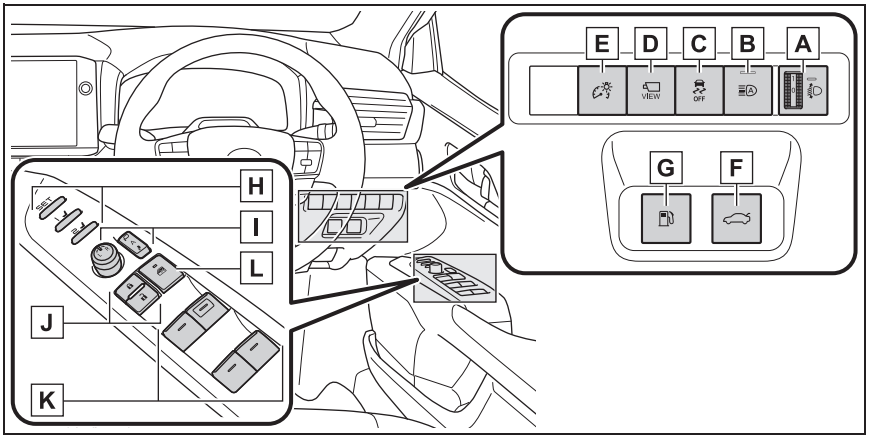
■Instrument panel



*1: If equipped

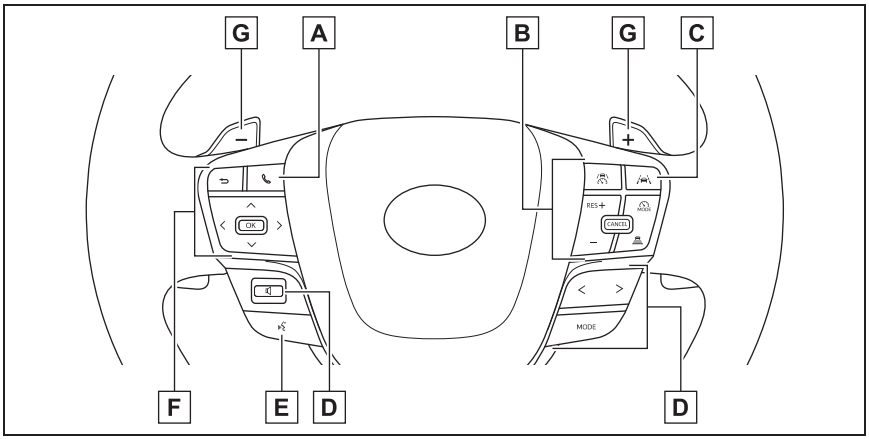
*2: Refer to “Multimedia Owner’s Manual”.

■Switches



*1: Refer to “Multimedia Owner’s Manual”.

*2: If equipped



A **Phone switch*1**

B **Cruise control switches**

Dynamic radar cruise control P.223

Cruise control.....P.234

C **LTA (Lane Tracing Assist) switch*2.....P.212**

D **Audio remote control switches*1**

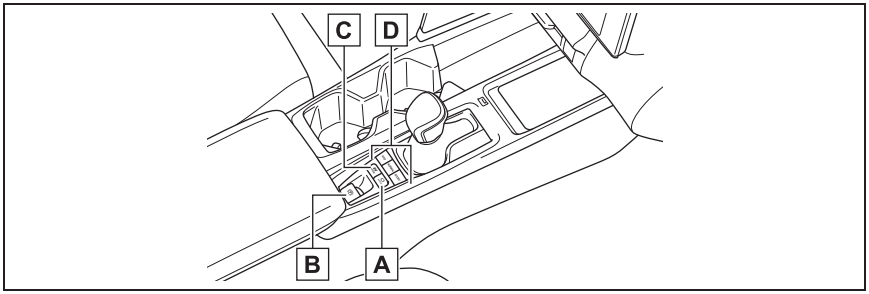
E **Talk switch*1**

F **Meter control switches P.83, 89**

G **Paddle shift switches*2.....P.172**

*1: Refer to “Multimedia Owner’s Manual”.

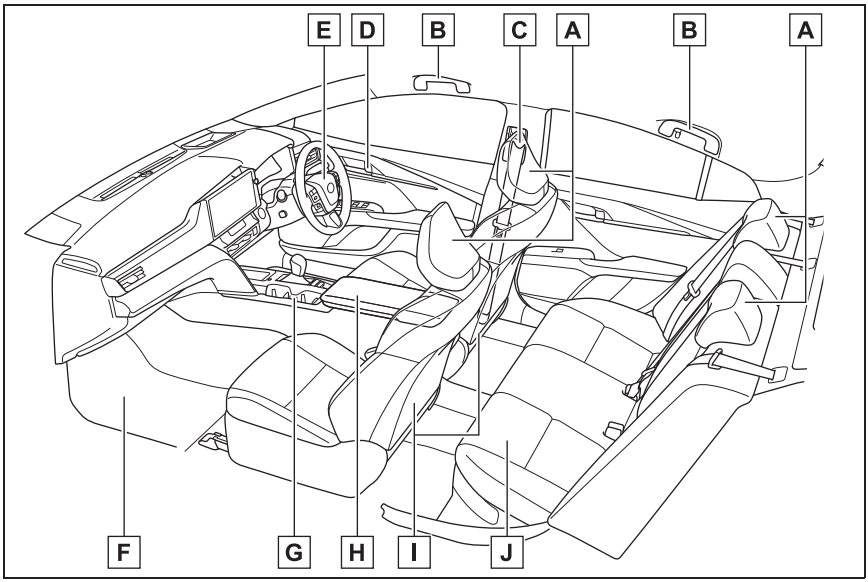
*2: If equipped



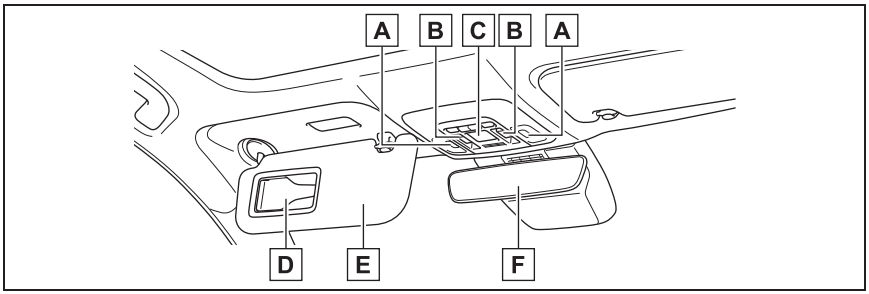
A **Brake hold switch P.178**

B **Parking brake switch P.175**

Interior



■Ceiling



[*1]: If equipped

[*2]: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P.42)

For safety and security 1

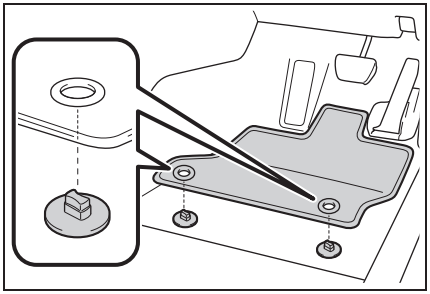
Before driving

Observe the following before starting off in the vehicle to ensure safety of driving.

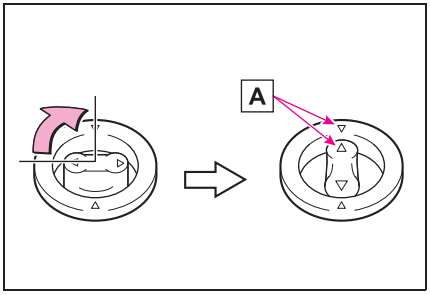
Floor mat

Use only floor mats designed specifically for vehicles of the same model and model year as your vehicle. Fix them securely in place onto the carpet.

1 Insert the retaining hooks (clips) into the floor mat eyelets.



2 Turn the upper knob of each retaining hook (clip) to secure the floor mats in place.



Always align the △ marks A.

The shape of the retaining hooks (clips) may differ from that shown in the illustration.

⚠ WARNING

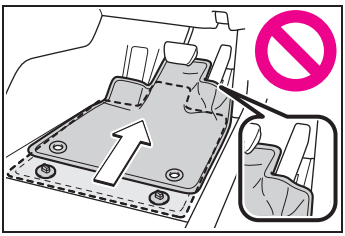
Observe the following precautions. Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

■ When installing the driver's floor mat

- Do not use floor mats designed for other models or different model year vehicles, even if they are Toyota Genuine floor mats.
- Only use floor mats designed for the driver's seat.
- Always install the floor mat securely using the retaining hooks (clips) provided.
- Do not use two or more floor mats on top of each other.
- Do not place the floor mat bottom-side up or upside-down.

■ Before driving

- Check that the floor mat is securely fixed in the correct place with all the provided retaining hooks (clips). Be especially careful to perform this check after cleaning the floor.



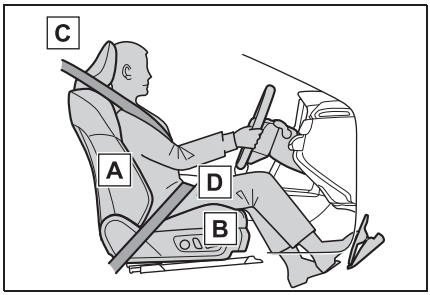
WARNING

- With the hybrid system stopped and the shift lever in P, fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

For safe driving

For safe driving, adjust the seat and mirror to an appropriate position before driving.

Correct driving posture



A Adjust the angle of the seatback so that you are sitting straight up and so that you do not have to lean forward to steer. (→P.119)

B Adjust the seat so that you can depress the pedals fully and so that your arms bend slightly at the elbow when gripping the steering wheel. (→P.119)

C Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P.121)

D Wear the seat belt correctly. (→P.27)

WARNING

■ For safe driving

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

WARNING

- 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.
- 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 and the adjustment mechanism may also be damaged.
- Always observe the legal speed limit when driving on public roads.
- When driving over long distances, take regular breaks before you start to feel tired.
  Also, if you feel tired or sleepy while driving, do not force yourself to continue driving and take a break immediately.
- Take care when adjusting the seat position to ensure that other passengers are not injured by the moving seat.
- When adjusting the seat position, 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.

Correct use of the seat belts

Make sure that all occupants are wearing their seat belts before driving the vehicle. (→P.27)

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt. (→P.40)

Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside and outside rear view mirrors properly. (→P.125, 126, 135)

Seat belts

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

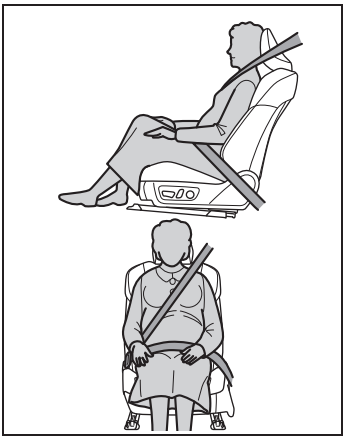
WARNING

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

■ Wearing a seat belt

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

■ Pregnant women



Obtain medical advice and wear the seat belt in the proper way. (→P.28)

Women who are pregnant should position the lap belt as low as possible over the hips in the same manner as other occupants, extending the shoulder belt completely over the shoulder and avoiding belt contact with the rounding of the abdominal area.

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

■ People suffering illness

Obtain medical advice and wear the seat belt in the proper way. (→P.28)

■ When children are in the vehicle

→P.51

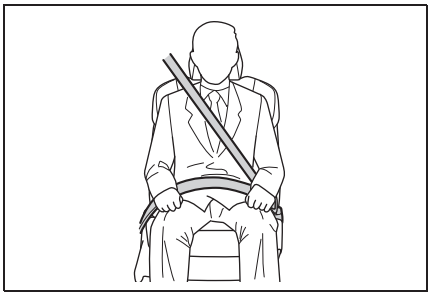
■ Seat belt damage and wear

- Do not damage the seat belts by allowing the belt, plate, or buckle to be jammed in the door.

WARNING

- Inspect the seat belt system periodically. Check for cuts, fraying, and loose parts. Do not use a damaged seat belt until it is replaced. Damaged seat belts cannot protect an occupant from death or serious injury.
- Ensure that the belt and plate are locked and the belt is not twisted. If the seat belt does not function correctly, immediately contact your Toyota dealer.
- Replace the seat assembly, including the belts, if your vehicle has been involved in a serious accident, even if there is no obvious damage.
- Do not attempt to install, remove, modify, disassemble or dispose of the seat belts. Have any necessary repairs carried out by your Toyota dealer. Inappropriate handling may lead to incorrect operation.
- Always make sure the shoulder belt passes through the guide when using the seat belt. Failure to properly position the belt may reduce the amount of protection in an accident and could lead to death or serious injury in a collision or sudden stop.
- Always make sure that the seat belt is not twisted, does not get caught in the guide or the seatback and is arranged in the proper position.

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.

Child seat belt usage

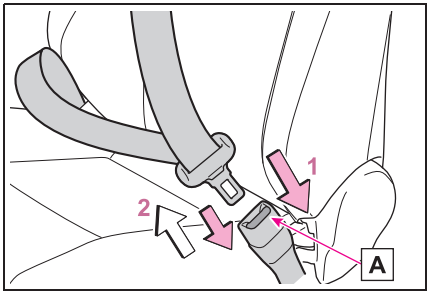
The seat belts of your vehicle were principally designed for persons of adult size.

- Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P.40)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions regarding seat belt usage. (→P.27)

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.

Fastening and releasing the seat belt



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

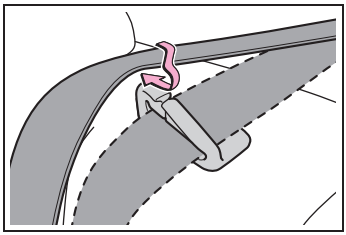
2 To release the seat belt, press the release button A.

Emergency locking retractor (ELR)

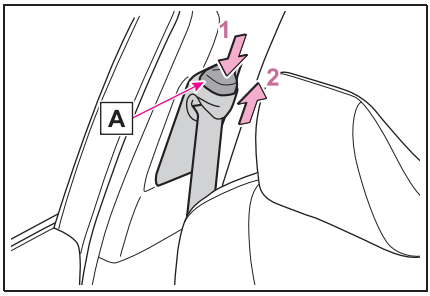
The retractor will lock the belt during a sudden stop or on impact. It may also lock if you lean forward too quickly. When the seat belt locks, pull the belt strongly and then release the belt, then a slow and easy pulling will allow the belt to extend.

Rear seat belt

Use the seat belt after passing it through the guide if the seat belt comes free from the guide.



Adjusting the seat belt shoulder anchor height (front seats)



1 Push the seat belt shoulder anchor down while pressing the release button A.

2 Push the seat belt shoulder anchor up.

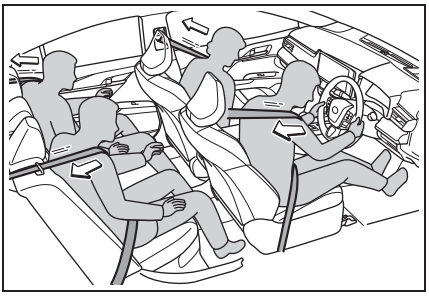
Move the height adjuster up and down as needed until you hear a click.

WARNING

Adjustable shoulder anchor

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

Seat belt pretensioners (front seats and outboard rear seats)



When the vehicle is subjected to a severe frontal or side impact, the pretensioners retract the seat belts of the front seats and rear outer seats to securely restrain the occupants.

The pretensioners will not operate in minor frontal or side impacts, rear impacts, or vehicle rollovers.

Replacing the belt after the pretensioner has been activated

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

PCS-linked control

If the PCS (Pre-Collision System) determines that the possibility of a collision with a vehicle is high, the seat belt pretensioners will be prepared to operate.

WARNING

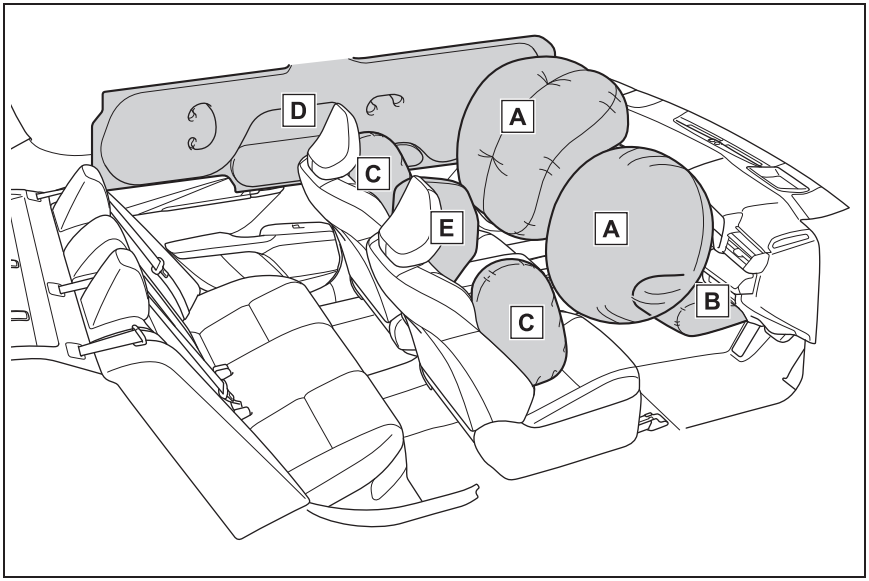
Seat belt pretensioners

If a pretensioner has operated, the SRS warning light will illuminate. In this situation, the seat belt cannot be used and must be replaced by your Toyota dealer.
Failure to do so may result in death or serious injury.

SRS airbags

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

SRS airbag system



A SRS driver airbag/front passenger airbag

Help reduce impact to the head and chest of the driver and front passenger

B SRS knee airbag

Help reduce impact to the driver

C SRS side airbags

- Help reduce impact to the chest of the occupants of the front seats
- Help reduce impact to the chest of the occupants of the rear outer seats

D SRS curtain shield airbags

Help reduce impact to the heads of the occupants of the front and rear outer seats

E SRS front center airbag

Help reduce impact to the head and neck of the occupants of the front seats

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

If the SRS airbags deploy (inflate)

- Slight abrasions, burns, bruising, etc., may be sustained from SRS airbags, due to the extremely high speed of deployment (inflation) by hot gases.
- A loud noise and white powder will be emitted.
- Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the parts around the airbags may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.
- The hybrid system will be stopped and fuel supply to the engine will be stopped. (→P.64)
- All of the doors will be unlocked. (→P.108)
- The brakes and stop lights will be controlled automatically. (→P.277)
- The interior lights will turn on automatically. (→P.297)
- The emergency flashers will turn on automatically. (→P.352)
- For Toyota Connected Services subscribers, if any of the following situations occur, the system is designed to send an emergency call to the response center, notifying them of the vehicle's location (without needing to push the "SOS" button) and an agent will attempt to speak with the occupants to ascertain the level of emergency and assistance required. If the occupants are unable to communicate, the agent automatically treats the call as an emergency and helps to dispatch the necessary emergency services. (→P.55)

• When an SRS airbag has been deployed
• When a seat belt pretensioner has operated
• When the vehicle has been involved in a severe rear-end collision

The SRS airbags deploy in a frontal impact when

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

• SRS front airbags
• SRS knee airbag

- The threshold level at which the SRS airbags will deploy will be higher than normal in the in the following situations:

• When the vehicle collides with an object, such as a parked vehicle or sign pole, which moves or deforms on impact
• If the vehicle is involved in an underride collision, such as a collision in which the front of the vehicle "underrides", or goes under, the bed of a truck

- Depending on the type of collision, only the following may deploy:

• Seat belt pretensioners

- In the event of an especially severe frontal collision, the left and right SRS curtain shield airbags may also deploy.

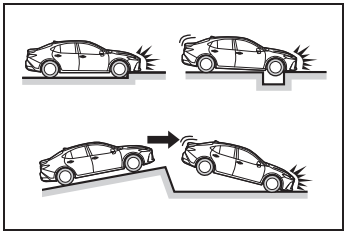
The SRS airbags deploy in a side impact when

- The following SRS airbags will deploy in the event of an impact that exceeds the set threshold level (level of force corresponding to the impact force produced by an approximately 1500 kg [3300 lb.] vehicle colliding with the passenger compartment at a perpen-

dicular angle at an approximate speed of 20 - 30 km/h [12 - 18 mph]):
- SRS side airbags
- SRS curtain shield airbags
- SRS front center airbag

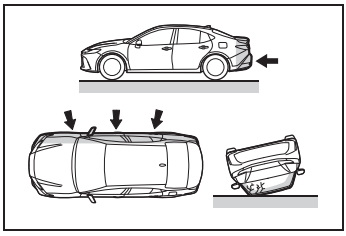
The SRS airbags deploy in an underside impact when

- The following airbags may deploy if the underside of the vehicle collides with a hard object:
- SRS front airbags
- SRS knee airbag
- SRS side airbags
- SRS curtain shield airbags

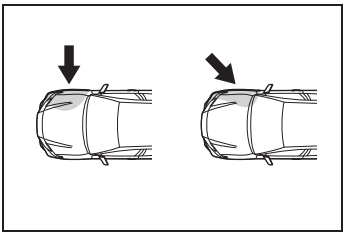


The SRS side airbags will not deploy when

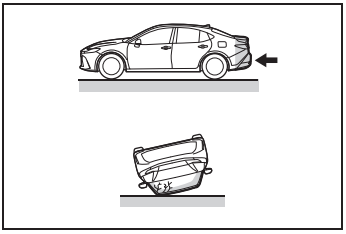
- The following SRS airbags will not normally deploy in side or rear collisions, vehicle rollovers, or low speed frontal collisions. However, if such a collision causes sufficient sudden deceleration, the SRS airbags may deploy:
- SRS front airbags
- SRS knee airbag



- The following SRS airbags may not deploy if the vehicle is collided with at a certain angle or in a side collision where an area of the vehicle other than the passenger compartment is collided with:
- SRS side airbags
- SRS curtain shield airbags
- SRS front center airbag



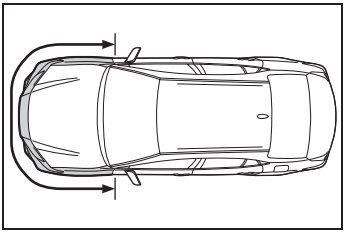
- The following SRS airbags will not normally deploy in rear collisions, vehicle rollovers, or low speed front or side collisions:
- SRS curtain shield airbags



When to contact your Toyota dealer

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

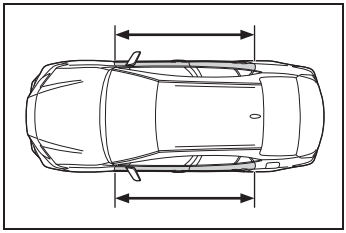
- When any of the SRS airbags have been deployed
- When the front of the vehicle is damaged or deformed, or was involved in a collision that was not severe enough to cause any of the following SRS airbags to deploy:
- SRS front airbags
- SRS knee airbag



- When a door or its surrounding area is damaged, deformed or has had a hole

made in it, or was involved in a collision that was not severe enough to cause any of the following SRS airbags to deploy:

- SRS side airbags
- SRS curtain shield airbags
- SRS front center airbag



- When the surface of a seat with an SRS side airbag or SRS front center airbag is scratched, cracked, or otherwise damaged.
- When the part of a front pillar, rear pillar or roof side rail garnish (padding) which covers a SRS curtain shield airbag is scratched, cracked, or otherwise damaged.

WARNING

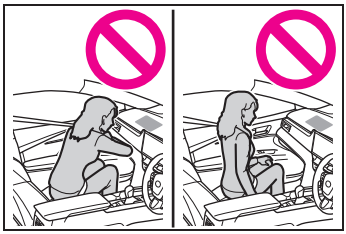
■ SRS airbag precautions

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

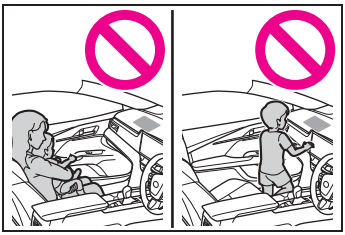
- The driver and all passengers must wear their seat belts correctly.
  The SRS airbags are supplemental devices to be used with the seat belts.
- The SRS driver airbag deploys with considerable force, and can cause death or serious injury, especially if the driver is very close to the airbag.
  Since 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 your current driving position places you less than 250 mm (10 in.) away from the driver airbag, you can change your driving position in several ways:
  - Move your seat to the rear as far as possible while still being able to reach the pedals comfortably.
  - Slightly recline the seatback. 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 seatback somewhat. If reclining the seatback 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 being able to control the vehicle with the pedals and steering wheel, and maintaining your view of the instrument panel controls.

WARNING

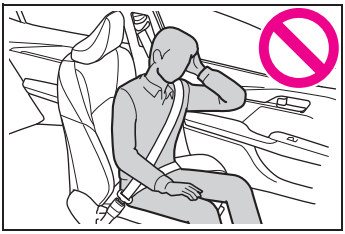
- The SRS front passenger airbag deploys with considerable force, and can cause death or serious injury, especially if the front passenger is very close to the airbag. The front passenger seat should be positioned as far possible from the airbag with the seatback adjusted so that the passenger is sat 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 safer for infants and children than the front passenger seat. (→P.40)
- Do not sit on the edge of the seat or lean against the dashboard.



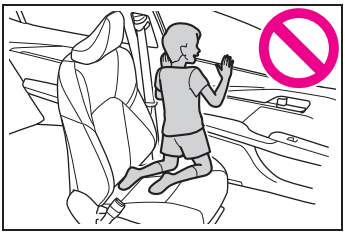
- Do not allow a child to stand in front of the SRS front passenger airbag or sit on the lap of a front passenger.
- Front seat occupants should never hold items on their lap.



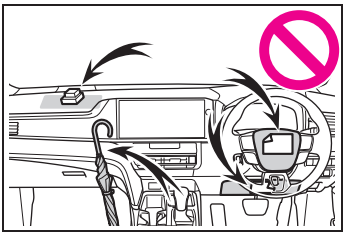
- Do not lean against the door, roof side rail, or front, side, or rear pillar.



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

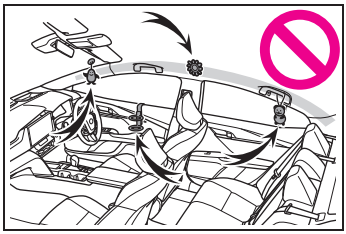


- Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad and lower portion of the instrument panel.



WARNING

- Do not attach anything to areas such as the doors, windshield, side windows, front or rear pillars, roof side rails and assist grips.



- Do not hang coat hangers or other hard objects on the coat hooks. These items could become projectiles if the SRS curtain shield airbags deploy, possibly leading to death or serious injury.
- If a vinyl cover is attached to the area where the SRS knee airbag deploys, be sure to remove it.
- Do not use seat accessories which cover the parts from which the SRS airbags deploy, as they may interfere with inflation of the SRS airbags. Such accessories may prevent the SRS airbags from deploying correctly, may disable the system or cause the SRS airbags to inflate unintentionally, possibly resulting in death or serious injury.
- Do not strike or apply significant force to the SRS airbag system components, front doors or their surrounding area.
  Doing so may cause the SRS airbags to malfunction.
- Do not touch any components of the SRS airbags immediately after the SRS airbags have deployed (inflated) as they may be hot.
- If breathing becomes difficult after the SRS airbags have deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation.
- If a part where an SRS airbag is stored is damaged or cracked, have it 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 unintentionally, possibly leading to death or serious injury.

- Removal, installation, disassembly or repair of the SRS airbags
- Repair, removal or modification of the following parts or their surrounding
  - Steering wheel
  - Instrument panel
  - Dashboard
  - Seats
  - Seat upholstery
  - Front pillars
  - Side pillars
  - Rear pillars
  - Roof side rails
  - Front door panels
  - Front door trim
  - Front door speakers
- Modifications to the front door panels (such as making holes in them)

WARNING

- Repair or modification of the following parts or their surrounding
  - Front fender
  - Front bumper
  - Sides of the vehicle interior
- Installation of the following parts or accessories
  - Bull bars or kangaroo bars
  - Snow plows
  - Winches
- Modifications to the vehicle's suspension
- Installation of electronic devices such as mobile two-way radios (RF-transmitter) and CD players

Exhaust gas precautions

Harmful substance to the human body is included in exhaust gases if inhaled.

WARNING

Exhaust gases include harmful carbon monoxide (CO), which is colorless and odorless. Observe the following precautions.
Failure to do so may cause exhaust gases enter the vehicle and may lead to an accident caused by light-headedness, or may lead to death or a serious health hazard.

■ Important points while driving

- Keep the trunk closed.
- If you smell exhaust gases in the vehicle even when the trunk is closed, open the windows and have the vehicle inspected at your Toyota dealer as soon as possible.

■ When parking

- If the vehicle is in a poorly ventilated area or a closed area, such as a garage, stop the hybrid system.
- Do not leave the vehicle with the hybrid system on for a long time. If such a situation cannot be avoided, park the vehicle in an open space and ensure that exhaust fumes do not enter the vehicle interior.
- Do not leave the hybrid system operating in an area with snow build-up, or where it is snowing. If snowbanks build up around the vehicle while the hybrid system is operating, exhaust gases may collect and enter the vehicle.

WARNING

■ Exhaust pipe

The exhaust system needs to be checked periodically. If there is a hole or crack caused by corrosion, damage to a joint or abnormal exhaust noise, be sure to have the vehicle inspected and repaired by your Toyota dealer.

Riding with children

Observe the following precautions when children are in the vehicle.
Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt.

- It is recommended that children sit in the rear seats to avoid accidental contact with the shift lever, wiper switch, etc.
- Use the rear door child-protector lock or the window lock switch to avoid children opening the door while driving or operating the power window accidentally. (→P.110, 139)
- Do not let small children operate equipment which may catch or pinch body parts, such as the power window, hood, trunk, seats, etc.

WARNING

■ When children are in the vehicle

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

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

Child restraint systems

Before installing a child restraint system in the vehicle, there are precautions that need to be observed, different types of child restraint systems, as well as installation methods, etc., written in this manual.

Use a child restraint system when riding with a small child that cannot properly use a seat belt. For the child's safety, install the child restraint system to a rear seat. Be sure to follow the installation method that is in the operation manual enclosed with the restraint system.

Table of contents

Points to remember

- Prioritize and observe the warnings, as well as the laws and regulations for child restraint systems.
- Use a child restraint system until the child becomes large enough to properly wear the vehicle's seat belt.
- Choose a child restraint system appropriate to the age and size of the child.
- Note that not all child restraint systems can fit in all vehicles. Before using or purchasing a child restraint system, check the compatibility of the child restraint system with seat positions. (→P.44)

WARNING

■ When a child is riding

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

- For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system which is correctly installed. For installation details, refer to the operation manual enclosed with the child restraint system. General installation instruction is provided in this manual.
- Toyota strongly urges the use of a proper child restraint system that conforms to the weight and 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.

WARNING

- Holding a child in your or someone else's arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield or between the holder and the interior of the vehicle.

Handling the child restraint system

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

- If the vehicle were to receive a strong impact from an accident, etc., it is possible that the child restraint system has damage that is not readily visible. In such cases, do not reuse the restraint system.
- Depending on the child restraint system, installation may be difficult or impossible. In those cases, check whether the child restraint system is suitable for installment in the vehicle. (→P.44) Be sure to install and observe the usage rules after carefully reading the child restraint system fixing method in this manual, as well as the operation manual enclosed with the child restraint system.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the trunk.

When using a child restraint system

When installing a child restraint system to a front passenger seat

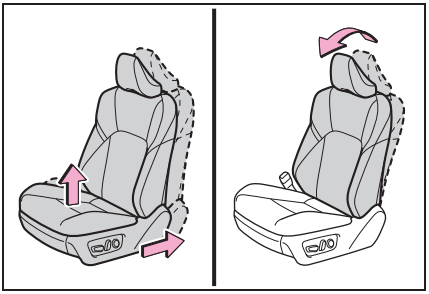
For the safety of a child, install a child restraint system to a rear seat. When installing a child restraint system to a front passenger seat is unavoidable, adjust the seat as follows and install the child restraint system:

- Move the front seat fully rearward.
- If the passenger seat height can be adjusted, adjust the seat height to the upper most position.
- Adjust the seatback angle to the most upright position.

If there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.

- If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.

Otherwise, put the head restraint in the upper most position.

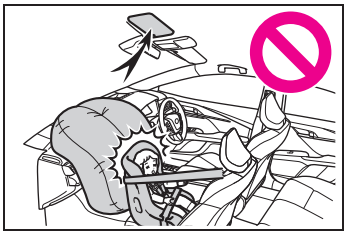


WARNING

■ When using a child restraint system

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

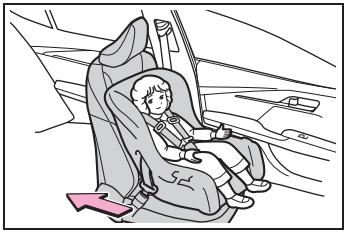
- Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an airbag in front of it! This is because the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child. There is a label(s) on the passenger side sun visor, indicating it is forbidden to attach a rear-facing child restraint system to the front passenger seat. Details of the label(s) are shown in the illustration below.



WARNING

WARNING

- Only put a forward-facing child restraint system on the front seat when unavoidable. When installing a forward-facing 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).

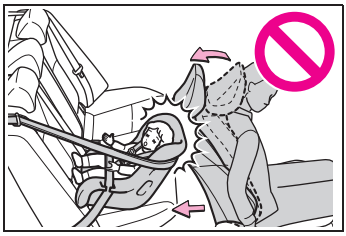


- Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front or rear pillars, or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous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

- When a junior seat (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.

WARNING

- Use child restraint system suitable to the age and size of the child and install it to the rear seat.
- 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.

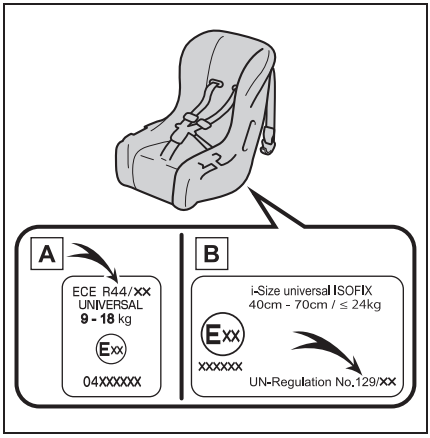
Child restraint system compatibility for each seating position

Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems (→P.45) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols.
Check the selected child restraint system together with the following [Before confirming the compatibility of each seating position with child restraint systems].

Before confirming the compatibility of each seating position with child restraint systems

1 Checking the child restraint system standards.
Use a child restraint system that conforms to UN(ECE) R44[*1] or UN(ECE) R129[*1, 2].
The following approval mark is displayed on child restraint systems which are conformed.
Check for an approval mark attached to the child restraint system.



Example of the displayed regulation number

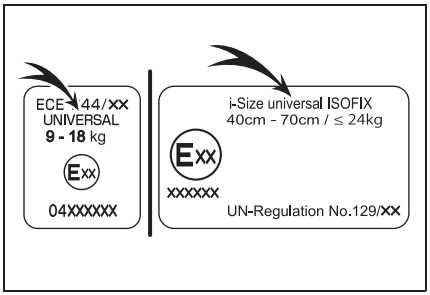
A UN(ECE) R44 approval mark[*3]
The weight range of the child who is applicable for an UN(ECE) R44 approval mark is indicated.

B UN(ECE) R129 approval mark[*3]
The height range of the child who is applicable as well as available weights for an

UN(ECE) R129 approval mark is indicated.

2 Checking the category of the child restraint system.
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable. Also, if there are any uncertainties, check the user's guide included with the child restraint system or contact the retailer of the child restraint system.

- "universal"
- "semi-universal"
- "restricted"
- "vehicle specific"

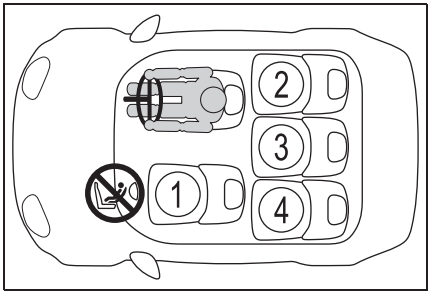


*1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

*2: The child restraint systems mentioned in the table may not be available outside of the EU area.

*3: The displayed mark may differ depending on the product.

Compatibility of each seating position with child restraint systems



1 *1, 2, 3	UF *4
2 *3	U, i-Size, ISOFIX
3	U, ISOFIX
4 *3	U, i-Size, ISOFIX

U — Suitable for "universal" category child restraint system fixed with the seat belt.

UF — Suitable for forward-facing "universal" category child restraint system fixed with the seat belt.

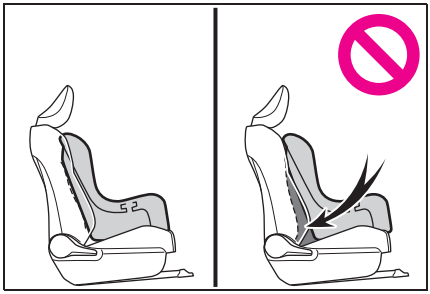
i-Size — Suitable for i-Size and ISOFIX child restraint system.

Includes a top tether anchorage point.

Never use a rear-facing child restraint system on the front passenger seat.

*1: Move the front seat fully rearward. If the passenger seat height can be adjusted, move it to the upper most position.

*2: Adjust the seatback angle to the most upright position. When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.



*3: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.

*4: Use only a front-facing child restraint system.

■ Detail information for child restraint systems installation

Seating position				
Seat position number	①	②	③	④
Seating position suitable for universal belted (Yes/No)	Yes Forward facing only	Yes	Yes	Yes
i-Size seating position (Yes/No)	No	Yes	No	Yes
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	No
Suitable rearward facing fixture (R1/R2X/R2/R3/No)	No	R1, R2X, R2, R3	No	R1, R2X, R2, R3
Suitable forward facing fixture (F2X/F2/F3/No)	No	F2X, F2, F3	No	F2X, F2, F3
Suitable junior seat fixture (B2/B3/No)	B2, B3 Belt fixation only	B2, B3	No	B2, B3

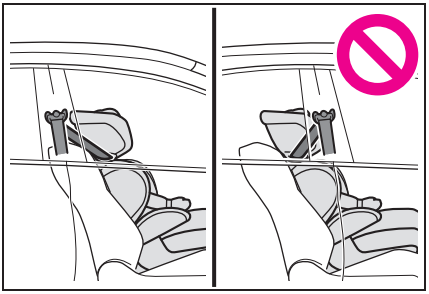
ISOFIX child restraint systems are divided into different “fixture”. The child

restraint system can be used in the seating positions for “fixture” mentioned in the table above. For kind of “fixture” relation, confirm the following table. If your child restraint system has no kind of “fixture” (or if you cannot find information in the table below), please refer to the child restraint system “vehicle list” for compatibility information or ask the retailer of your child seat.

Fixture	Description
F3	Full-height, forward-facing child restraint systems
F2	Reduced-height forward-facing child restraint systems
F2X	Reduced-height forward-facing child restraint systems
R3	Full-size, rearward-facing child restraint systems
R2	Reduced-size, rearward-facing child restraint systems
R2X	Reduced-size, rearward-facing child restraint systems
R1	Rearward-facing infant seat
L1	Left lateral-facing (carrycot) infant seat
L2	Right lateral-facing (carrycot) infant seat
B2	Junior seat
B3	Junior seat

When securing some types of child restraint systems in rear seat, it may not be possible to properly use the seat belts in positions next to the child restraint without interfering with it or affecting seat belt effectiveness. Be sure your seat belt fits snugly across your shoulder and low on your hips. If it does not, or if it interferes with the child restraint, move to a different position. Failure to do so may result in death or serious injury.

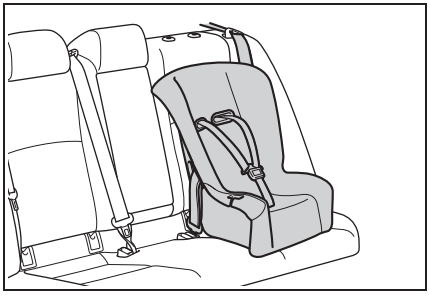
- When installing a child restraint in the rear seats, adjust the front seat so that it does not interfere with the child or child restraint system.
- When installing a child seat with support base, if the child seat interferes with the seatback when latching it into the support base, adjust the seatback rearward until there is no interference.
- If the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.

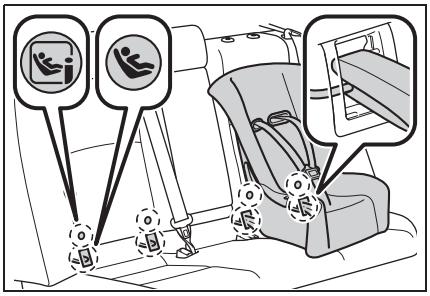
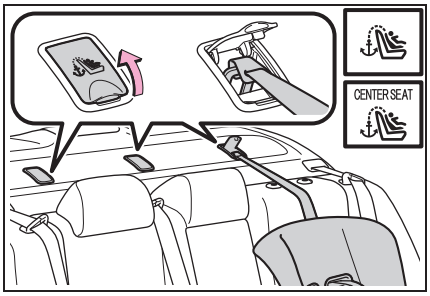
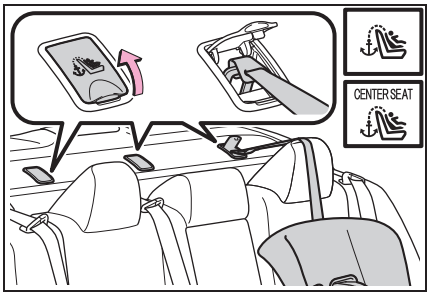


- When installing a junior seat, if the child in your child restraint system is in a very upright position, adjust the seatback angle to the most comfortable position. And if the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.

Child restraint system installation method

Confirm with the operation manual enclosed with the child restraint system about the installation of the child restraint system.

Installation method		Page
Seat belt attachment		P.49

Installation method		Page
ISOFIX rigid anchor attachment		P.51
Child restraint anchor fitting attachment	Seats with an adjustable type head restraint  Seats with an integrated type head restraint  	P.52

Child restraint system fixed with a seat belt

■ Installing child restraint system using a seat belt

Install the child restraint system in accordance to the operation manual enclosed with the child restraint system.

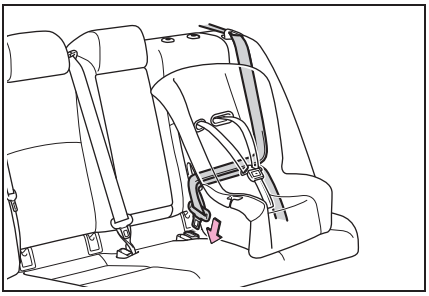
If the child restraint system on hand is not within the “universal” category (or the necessary information is not in the table), refer to the “Vehicle List” provided by the child

restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child seat. (→P.44, 45)

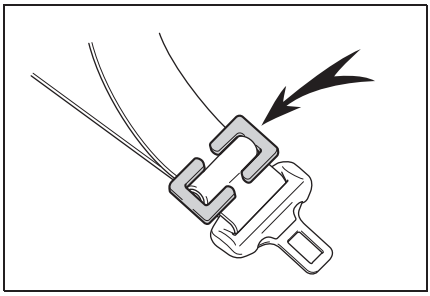
1 If installing the child restraint system to the front passenger seat is unavoidable, refer to P.41for the front passenger seat adjustment.

2 If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.
Otherwise, put the head restraint in the upper most position. (→P.121)

3 Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted. Securely fix the seat belt to the child restraint system in accordance to the directions enclosed with the child restraint system.



4 If your child restraint system is not equipped with a lock-off (a seat belt locking feature), secure the child restraint system using a locking clip.



5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.51)

■ Removing a child restraint system installed with a seat belt

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

When releasing the buckle, the child restraint system may spring up due to the rebound of the seat cushion. Release the buckle while holding down the child restraint system.

Since the seat belt automatically reels itself, slowly return it to the stowing position.

■ When installing a child restraint system

You may need a locking clip to install the child restraint system. Follow the instructions provided by the manufacturer of the system. If your child restraint system does not provide a locking clip, you can purchase the following item from your Toyota dealer: Locking clip for child restraint system
(Part No. 73119-22010)

WARNING

■ **When installing a child restraint system**

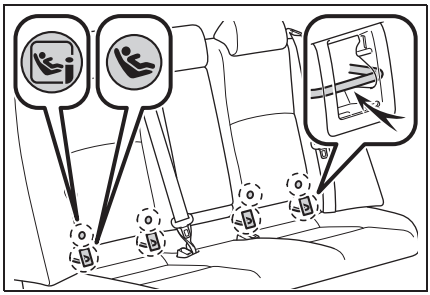
Observe the following precautions. Failure to do so may result in death or serious injury.

- Do not allow children to play with the seat belt. If the seat belt becomes twisted around a child's neck, it may lead to choking or other serious injuries that could result in death. If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.
- Ensure that the belt and plate are securely locked and the seat belt is not twisted.
- Shake the child restraint system left and right, and forward and backward to ensure that it has been securely installed.
- After securing a child restraint system, never adjust the seat.
- When a junior seat (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.
- Follow all installation instructions provided by the child restraint system manufacturer.

Child restraint system fixed with an ISOFIX rigid anchor

■ ISOFIX rigid anchors (ISOFIX child restraint system)

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



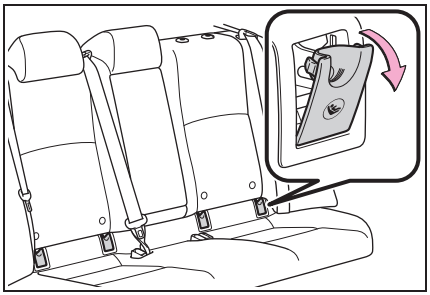
■ Installation with ISOFIX rigid anchor (ISOFIX child restraint system)

Install the child restraint system in accordance to the operation manual enclosed with the child restraint system.

If the child restraint system on hand is not within the "universal" category (or the necessary information is not in the table), refer to the "Vehicle List" provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child seat. (→P.44, 45)

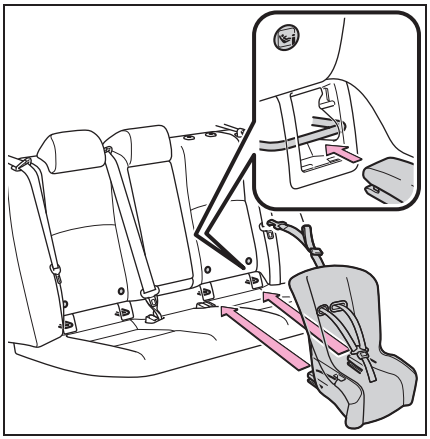
1 If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.
Otherwise, put the head restraint in the upper most position. (→P.121)

2 Remove the anchor covers.



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

The bars are installed behind the anchor covers.



After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.51)

WARNING

■ When installing a child restraint system

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

- After securing a child restraint system, never adjust the seat.
- When using the lower anchors, be sure that there are no foreign objects around the anchors and that the seat belt is not caught behind the child restraint system.
- Follow all installation instructions provided by the child restraint system manufacturer.

■ Using child restraint anchorages

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

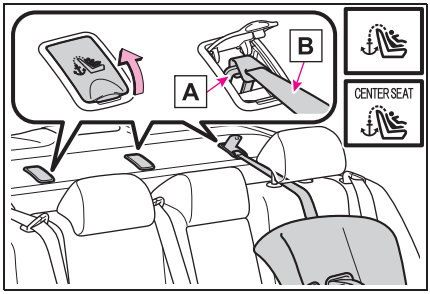
Using a child restraint anchor fitting

■ Child restraint anchor fitting

Anchor fittings are provided for each rear seat.

Use anchor fitting when fixing the strap.

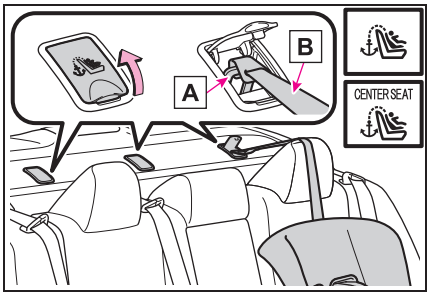
▶ Seats with an adjustable type head restraint



A Anchor fittings

B Upper anchorage strap

▶ Seats with an integrated type head restraint



A Anchor fittings

B Upper anchorage strap

■ Fixing the strap to the anchor fitting

Install the child restraint system in accordance to the operation manual enclosed with the child restraint system.

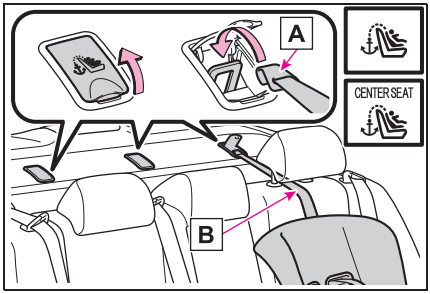
▶ Seats with an adjustable type head restraint

1 Adjust the head restraint to the upmost position.

If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. (→P.121)

2 Open the anchor fitting cover, latch the attaching clip onto the anchor fitting and tighten the upper anchorage strap.

Make sure the upper anchorage strap is securely latched. (→P.51)
When installing the child restraint system with the head restraint being raised, be sure to have the upper anchorage strap pass underneath the head restraint.



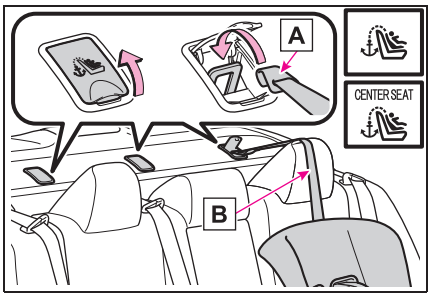
A Attaching clip

B Upper anchorage strap

▶ Seats with an integrated type head restraint

Open the anchor fitting cover, latch the attaching clip onto the anchor fitting and tighten the upper anchorage strap.

Make sure the upper anchorage strap is securely latched. (→P.51)



A Attaching clip

B Upper anchorage strap

WARNING

■ When installing a child restraint system

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

WARNING

- Firmly attach the upper anchorage strap and make sure that the belt is not twisted.
- Do not attach the upper anchorage strap to anything other than the anchor fitting.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.
- When installing the child restraint system with the head restraint being raised, after the head restraint has been raised and then the anchor fitting has been fixed, do not lower the head restraint.

■ Using child restraint anchorages

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

NOTICE

■ Child restraint anchor fitting

When not in use, make certain to close the cover. If it remains open, the cover may be damaged.

Toyota Connected Services*1, 2

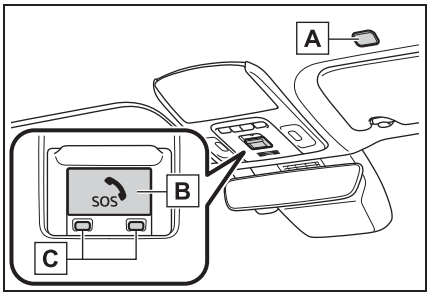
*1: If equipped

*2: Operates within the Toyota Connected Services coverage.

Toyota Connected Services are telematics services that use Global Positioning System (GPS) data and embedded cellular technology to enable the following emergency calls to be made: ACN (Automatic Collision Notification) and SOS Emergency Call (Manual emergency service notification) (by pressing the "SOS" button).

For more information about Toyota Connected Services, please visit: https://www.toyota.com.au/connected

System components



A Microphone

B "SOS" button*

C Indicator lights

*: This button is intended for communication with the Emergency Call Centre. Other "SOS" buttons available in other systems of a motor vehicle do not relate to the device and are not intended for communication with the Emergency Call Centre.

Toyota Connected Services

■ ACN (Automatic Collision Notification)

If any airbag deploys, the system is designed to automatically call the Emergency Call Centre.* The Call Centre Agent will determine your vehicle's location, the time of the incident and the vehicle VIN, and attempt to speak with the vehicle occupants to assess the situation. If the occupants are unable to communicate, the Call Centre Agent automatically treats the call as an emergency and contacts emergency services to describe the situation and request that assistance be sent to the location.

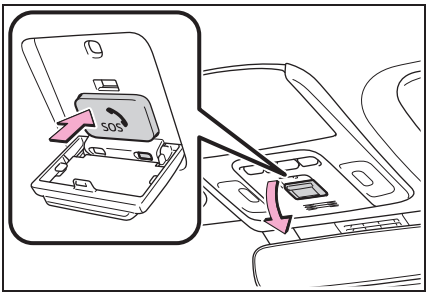
*: In some cases, the call cannot be made. (→P.56)

■ SOS Emergency Call (Manual emergency service notification)

In the event of an emergency, press the "SOS" button to call the Emergency Call Centre.* The Call Centre Agent will determine your vehicle's location, assess the situation, and dispatch the necessary assistance required.

Make sure to open the cover before

pressing the “SOS” button.



If you accidentally press the “SOS” button, tell the Call Centre Agent that you are not experiencing an emergency.

*: In some cases, the call cannot be made. (→P.56)

Indicator lights

When the power switch is turned to ON, the red/green indicator lights will blink intermittently, then the green indicator light will remain ON, indicating that the system is enabled. The indicator lights indicate the following:

- If the green indicator light illuminates and stays on, the system is enabled.
- If the green indicator light flashes once per second, the ACN/SOS service is being made.
- If the red indicator light illuminates at any time other than immediately after the power switch is turned to ON, the system may be malfunctioning or the backup battery may be depleted. Contact your Toyota dealer.

Free/Open Source Software Information

This product contains Free/Open Source Software (FOSS).

The license information and/or the source code of such FOSS can be found at the following URL.

http://www.opensourceautomotive.com/dcm/19MC/

WARNING

When the ACN/SOS may not be made

- It may not be possible to make ACN/SOS in any of the following situations. In such cases, report to emergency services provider (000 system etc.) by other means such as nearby public phones.
- Even when the vehicle is in the cellular phone service area, it may be difficult to connect to the Emergency Call Centre if the reception is poor or the line is busy. In such cases, you may not be able to connect to the Emergency Call Centre.
- When the vehicle is out of the cellular phone service area, the ACN/SOS cannot be made.
- When any related equipment (such as the “SOS” button panel, indicator lights, microphone, DCM, antenna, or any wires connecting the equipment) is malfunctioning, damaged or broken, the ACN/SOS cannot be made.
- Enabled Toyota vehicles collect and transmit vehicle data to provide connected services. SOS and Automatic Collision Notification may be disabled if green LED under SOS button is not illuminated. For more info including re-activation, visit https://www.toyota.com.au/privacy

WARNING

- During an ACN/SOS service, the system makes repeated attempts to connect to the Emergency Call Centre. However, if it cannot connect to the Emergency Call Centre due to poor radio wave reception, the system may not be able to connect to the cellular network and the call may finish without connecting. A voice prompt notification will play from the vehicle speaker to indicate call disconnection.

- If the 12-volt battery's voltage decreases or there is a disconnection, the system may not be able to connect to the Emergency Call Centre.

- The ACN/SOS system might not work outside of Australia region, depending on the available infrastructure in the country.

■ When the ACN/SOS system is replaced with a new one

The ACN/SOS system should be registered. Contact your Toyota dealer.

■ For your safety

- Please drive safely.
  The function of this system is to assist you in contacting the appropriate emergency services in case of accidents such as traffic accidents or sudden medical emergencies, and it does not protect the driver or passengers in any way. Please drive safely and fasten your seatbelts at all times for your safety.

- In case of an emergency, ensure preservation of life is prioritised first.

- If you smell anything burning or other unusual smells, leave the vehicle and evacuate to a safe area immediately.

- If the airbags deploy when the system is operating normally, the system makes emergency call. The system also makes emergency call when the vehicle is struck from the rear or rolls over, even if the airbags do not deploy.

- For safety, do not press the "SOS" button while driving.
  Making calls during driving may cause mishandling of the steering wheel, which may lead to unexpected accidents. Stop the vehicle and confirm the safety of your surroundings before pressing the "SOS" button.

- When changing fuses, please use the specified fuses. Using other fuses may cause ignition or smoke in the circuit and lead to a fire.

- Using the system while there is smoke or an unusual smell may cause a fire. Stop using the system immediately and consult your Toyota dealer.

NOTICE

■ To prevent damage

Do not pour any liquids onto the "SOS" button panel, etc. and do not impact it.

■ If the "SOS" button panel, speaker or microphone malfunctions during an ACN/SOS service

It may not be possible to make ACN/SOS, confirm the system status, or communicate with the Call Centre Agent. If any of the above equipment is damaged, please consult your Toyota dealer.

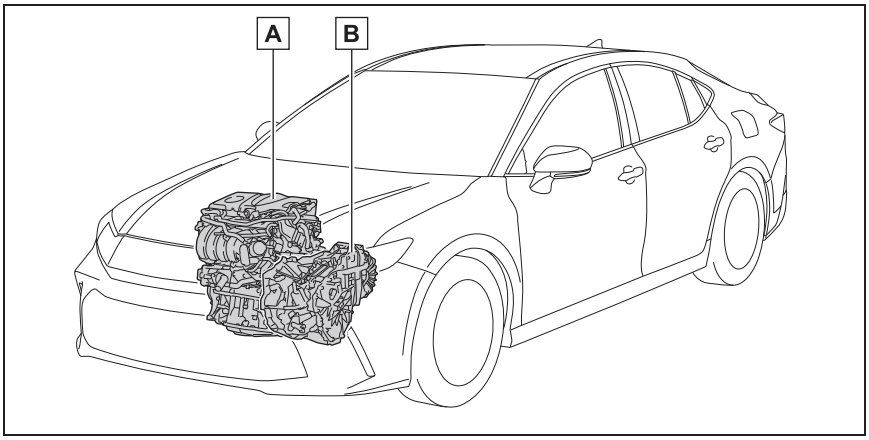
Hybrid system features

Your vehicle is a hybrid electric vehicle. It has characteristics different from conventional vehicles. Be sure you are closely familiar with the characteristics of your vehicle, and operate it with care.

The hybrid system combines the use of a gasoline engine and an electric motor (traction motor) according to driving conditions, improving fuel efficiency and reducing exhaust emissions.

System components

■ System components



The illustration is an example for explanation and may differ from the actual item.

A Gasoline engine

B Electric motor (traction motor)

■ When stopped/during start off

The gasoline engine stops* when the vehicle is stopped. During start off, the electric motor (traction motor) drives the vehicle. At slow speeds or when traveling down a gentle slope, the engine is stopped* and the electric motor (traction motor) is used.

When the shift lever is in N, the hybrid battery (traction battery) is not being charged.

*: When the hybrid battery (traction battery) requires charging or the engine is warming up, etc., the gasoline engine will not automatically stop. (→P.59)

During normal driving

The gasoline engine is predominantly used. The electric motor (traction motor) charges the hybrid battery (traction battery) as necessary.

When accelerating sharply

When the accelerator pedal is depressed heavily, the power of the hybrid battery (traction battery) is added to that of the gasoline engine via the electric motor (traction motor).

When braking (regenerative braking)

The wheels operate the electric motor (traction motor) as a power generator, and the hybrid battery (traction battery) is charged.

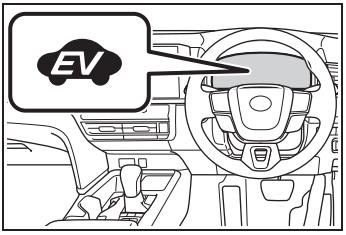
Regenerative braking

In the following situations, kinetic energy is converted to electric energy and deceleration force can be obtained in conjunction with the recharging of the hybrid battery (traction battery).

- The accelerator pedal is released while driving with the shift lever in D or S.
- The brake pedal is depressed while driving with the shift lever in D or S.

EV indicator

The EV indicator comes on when the vehicle is driven using only the electric motor (traction motor) or the gasoline engine is stopped.



Conditions in which the gasoline engine may not stop

The gasoline engine starts and stops automatically. However, it may not stop automatically in the following conditions:

- During gasoline engine warm-up
- During hybrid battery (traction battery) charging
- When the temperature of the hybrid battery (traction battery) is high or low
- When the heater is switched on

Depending on the circumstances, the gasoline engine may also not stop automatically in other situations.

Charging the hybrid battery (traction battery)

As the gasoline engine charges the hybrid battery (traction battery), the battery does not need to be charged from an outside source. However, if the vehicle is left parked for a long time the hybrid battery (traction battery) will slowly discharge. For this reason, be sure to drive the vehicle at least once every few months for at least 30 minutes or 16 km (10 miles). If the hybrid battery (traction battery) becomes fully discharged and you are unable to start the hybrid system, contact your Toyota dealer.

Charging the 12-volt battery

→P.393

After the 12-volt battery has discharged or when the terminal has been removed and installed during exchange, etc.

The gasoline engine may not stop even if the vehicle is being driven by the hybrid battery (traction battery). If this

continues for a few days, contact your Toyota dealer.

Sounds and vibrations specific to a hybrid electric vehicle

There may be no engine sound or vibration even though the vehicle is able to move with the “READY” indicator is illuminated. For safety, apply the parking brake and make sure to shift the shift lever to P when parked.

The following sounds or vibrations may occur when the hybrid system is operating and are not a malfunction:

- Motor sounds may be heard from the engine compartment.
- Sounds may be heard from the hybrid battery (traction battery) under the rear seats when the hybrid system starts or stops.
- Relay operating sounds such as a snap or soft clank will be emitted from the hybrid battery (traction battery), under the rear seats, when the hybrid system is started or stopped.
- Sounds from the hybrid system may be heard when the trunk lid is open.
- Sounds may be heard from the transmission when the gasoline engine starts or stops, when driving at low speeds, or during idling.
- Engine sounds may be heard when accelerating sharply.
- Sounds may be heard due to regenerative braking when the brake pedal is depressed or as the accelerator pedal is released.
- Vibration may be felt when the gasoline engine starts or stops.
- Cooling fan sounds may be heard from the air intake vent on the side of the lower part of the rear left seat.

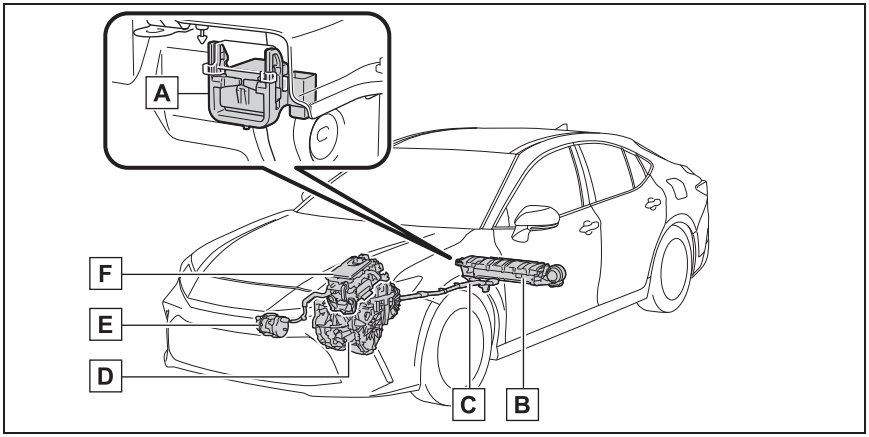
Maintenance, repair, recycling, and disposal

Contact your Toyota dealer regarding maintenance, repair, recycling and disposal. Do not dispose of the vehicle yourself.

Hybrid system precautions

Take care when handling the hybrid system, as it is a high voltage system (about 600 V at maximum) as well as contains parts that become extremely hot when the hybrid system is operating.
Read the following descriptions carefully before using the hybrid system, and handle the hybrid system correctly. Note that warning labels with a ⚠ mark are attached to the high voltage components, to remind you of careful handling required.

System components



The illustration is an example for explanation and may differ from the actual item.

A Service plug

B Hybrid battery (traction battery)

C High voltage cables (orange)

D Electric motor (traction motor)

E Air conditioning compressor

F Power control unit

Running out of fuel

When the vehicle has run out of fuel and the hybrid system cannot be started, refuel the vehicle with at least enough gasoline to make the low fuel level warning light (→P.363) go off. If there is only a small amount of fuel, the hybrid system may not be able to start. (The standard amount of fuel is approximately 10.0 L [2.6 gal., 2.2 Imp. gal.] when the vehi-

cle is on a level surface. This value may vary when the vehicle is on a slope. Add extra fuel when the vehicle is inclined.)

Electromagnetic waves

- High voltage parts and cables on hybrid electric vehicles incorporate electromagnetic shielding, and therefore emit approximately the same amount of electromagnetic waves as conventional gasoline powered vehicles or home electronic appliances.
- Your vehicle may cause sound interference in some third party-produced radio parts.

Hybrid battery (traction battery)

The hybrid battery (traction battery) has a limited service life. The lifespan of the hybrid battery (traction battery) can change in accordance with driving style and driving conditions.

Declaration of conformity

This model conforms to hydrogen emissions according to regulation ECE100 (Battery electric vehicle safety).

Starting the hybrid system in an extremely cold environment

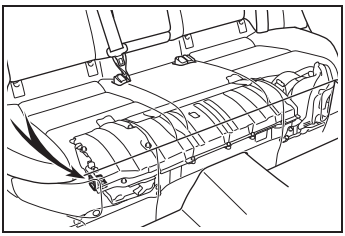
When the hybrid battery (traction battery) is extremely cold (below approximately -30°C [-22°F]) under the influence of the outside temperature, it may not be possible to start the hybrid system. In this case, try to start the hybrid system again after the temperature of the hybrid battery increases due to the outside temperature increasing, etc.

WARNING

High voltage precautions

This vehicle has high voltage DC and AC systems as well as a 12-volt system. DC and AC high voltage is very dangerous and can cause severe burns and electric shock that may result in death or serious injury.

- Never touch, disassemble, remove or replace the high voltage parts, cables or their connectors.
- Do not touch the high voltage components. They are extremely hot, especially after driving.
- Never try to open the service plug access hole located under the right side of the rear seat. The service plug is used only when the vehicle is serviced and is subject to high voltage.



Road accident cautions

Observe the following precautions to reduce the risk of death or serious injury:

- Pull your vehicle off the road, apply the parking brake, shift the shift lever to P, and turn the hybrid system off.
- Do not touch the high voltage parts, cables and connectors.
- If electric wires are exposed inside or outside your vehicle, an electric shock may occur. Never touch exposed electric wires.
- If a fire occurs in the hybrid electric vehicle, leave the vehicle as soon as possible. Never use a fire extinguisher that is not meant for electric fires. Using even a small amount of water may be dangerous.

WARNING

- If your vehicle needs to be towed, do so with the front wheels raised. If the wheels connected to the electric motor (traction motor) are on the ground when towing, the motor may continue to generate electricity. This may cause a fire. (→P.355)
- Carefully inspect the ground under the vehicle. If you find that liquid has leaked onto the ground, the fuel system may have been damaged. Leave the vehicle as soon as possible.
- Do not touch the battery if liquid is leaking from or adhering to it. If electrolyte (carbonic-based organic electrolyte) from the hybrid battery (traction battery) comes into contact with the eyes or skin, it could cause blindness or skin wounds. In the unlikely event that it comes into contact with the eyes or skin, wash it off immediately with a large amount of water, and seek immediate medical attention.
- If electrolyte is leaking from the hybrid battery (traction battery), do not approach the vehicle. Even in the unlikely event that the hybrid battery (traction battery) is damaged, the internal construction of the battery will prevent a large amount of electrolyte from leaking out. However, any electrolyte that does leak out will give off a vapor. This vapor is an irritant to skin and eyes and could cause acute poisoning if inhaled.
- Do not bring burning or high-temperature items close to the electrolyte. The electrolyte may ignite and cause a fire.

■ Hybrid battery (traction battery)

- Your vehicle contains a sealed lithium-ion battery.
- Never resell, hand over or modify the hybrid battery. To prevent accidents, hybrid batteries that have been removed from a disposed vehicle are collected through Toyota dealer. Do not dispose of the battery yourself.

Unless the battery is properly collected, the following may occur, resulting in death or serious injury:

- The hybrid battery may be illegally disposed of or dumped, and it is hazardous to the environment or someone may touch a high voltage part, resulting in an electric shock.
- The hybrid battery is intended to be used exclusively with your hybrid electric vehicle. If the hybrid battery is used outside of your vehicle or modified in any way, accidents such as electric shock, heat generation, smoke generation, an explosion and electrolyte leakage may occur.

When reselling or handing over your vehicle, the possibility of an accident is extremely high because the person receiving the vehicle may not be aware of these dangers.

- If your vehicle is disposed of without the hybrid battery having been removed, there is a danger of serious electric shock if high voltage parts, cables and their connectors are touched. In the event that your vehicle must be disposed of, the hybrid battery must be disposed of by your Toyota dealer or a qualified service shop. If the hybrid battery is not disposed of properly, it may cause electric shock that can result in death or serious injury.

NOTICE

■ Hybrid battery (traction battery)

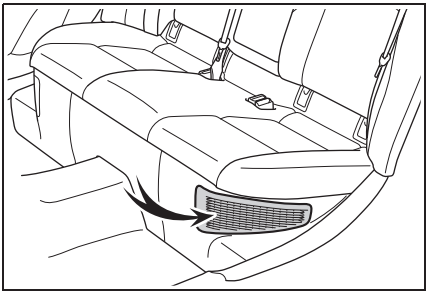
Do not carry large amounts of water such as water cooler bottles in the vehicle. If water spills onto the hybrid battery (traction battery), the battery may be damaged. Have the vehicle inspected by your Toyota dealer.

Hybrid battery (traction battery) air intake vent

There is air intake vent under the left side of the rear seat with the purpose of cooling the hybrid battery (traction battery).

If the vent is blocked, it may interfere with the cooling of the hybrid battery (traction battery).

If input/output of the hybrid battery (traction battery) becomes limited and the distance that the vehicle can be driven using the electric motor (traction motor) is reduced, the fuel economy may be reduced.



NOTICE

■ Hybrid battery (traction battery) air intake vent

- Make sure not to block the air intake vent with anything, such as a seat cover, plastic cover, or luggage.
  The input/output of the hybrid battery (traction battery) may be restricted, leading to a reduction in hybrid battery (traction battery) output and a malfunction.
- Periodically clean the air intake vent to prevent them from clogging. (→P.339)
- Do not get water or foreign materials in the air intake vent as this may cause a short circuit and damage the hybrid battery (traction battery).

Emergency shut off system

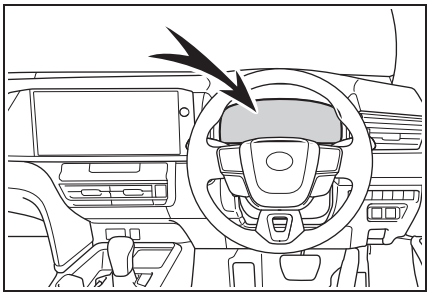
When a certain level of impact is detected by the impact sensor, the emergency shut off system blocks the high voltage current and stops the fuel pump to minimize the risk of electrocution and fuel leakage. If the emergency shut off system activates, your vehicle will not restart. To restart the hybrid system, contact your Toyota dealer.

Hybrid warning message

A message is automatically displayed when a malfunction occurs in the hybrid system or an improper operation is attempted.

If a warning message is shown on the multi-information display, read the message and follow the instruc-

tions.



If a warning light comes on, a warning message is displayed, or the 12-volt battery is disconnected

The hybrid system may not start. In this case, try to start the system again. If the “READY” indicator does not come on, contact your Toyota dealer.

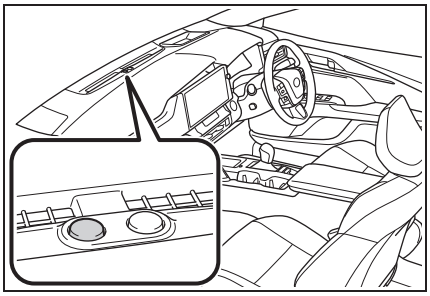
Immobilizer system

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

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

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

Operating the system



The indicator light flashes after the power switch has been turned off to indicate that the system is operating.

The indicator light stops flashing after the power switch has been turned to ACC or ON to indicate that the system has been canceled.

■ System maintenance

The vehicle has a maintenance-free type immobilizer system.

■ Conditions that may cause the system to malfunction

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

NOTICE

■ To ensure the system operates correctly

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

Alarm

The alarm uses light and sound to give an alert when an intrusion is detected. The alarm is triggered in the following situations when the alarm is set:

- A locked door or trunk is unlocked or opened in any way other than using the entry function, wireless remote control or mechanical key. (The doors will lock again automatically.)
- The hood is opened.

Setting/deactivating/stopping the alarm system

Items to check before locking the vehicle

To prevent unexpected triggering of the alarm and vehicle theft, make sure of the following:

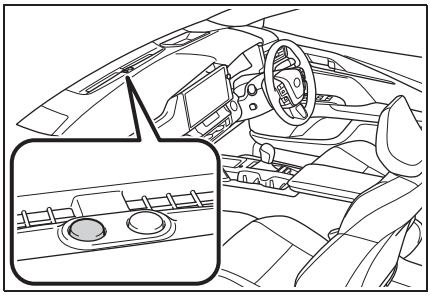
- Nobody is in the vehicle.
- The windows and panoramic moon roof (if equipped) are closed before the alarm is set.
- No valuables or other personal items are left in the vehicle.

Setting

Close the doors, trunk and hood, and lock all the doors.

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

Do one of the following to deactivate or stop the alarms:

- Unlock the doors.
- Turn the power switch to ACC or ON, or start the hybrid system. (The alarm will be deactivated or stopped after a few seconds.)

Setting the alarm

The alarm can be set if all the doors are closed even with the hood open.

System maintenance

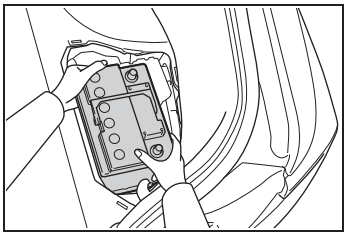
The vehicle has a maintenance-free type alarm system.

Triggering of the alarm

The alarm may be triggered in the following situations:
(Stopping the alarm deactivates the alarm system.)

- A person inside the vehicle opens a door, the trunk or hood, or unlocks the vehicle.

- The battery is recharged or replaced when the vehicle is locked. (→P.393)



■ Alarm-operated door lock

In the following cases, depending on the situation, the door may automatically lock to prevent improper entry into the vehicle:

- When a person remaining in the vehicle unlocks the door and the alarm is activated.
- While the alarm is activated, a person remaining in the vehicle unlocks the door.
- When recharging or replacing the 12-Volt battery.

⚠ NOTICE

■ To ensure the system operates correctly

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

Pre-alarm

If a door is unlocked with the mechanical key while the alarm is being set, the pre-alarm will sound for 10 seconds.

If either the door is locked again or the pre-alarm is stopped within those 10 seconds, an alarm will sound.

Do any of the following in order to deactivate or stop the pre-alarm:

- Close the doors, and lock all doors by smart access system or wireless remote control.
- Turn the power switch to ACC or ON, or start the hybrid system. (The alarm will be deactivated or stopped after a few seconds.)

2-1. Instrument cluster

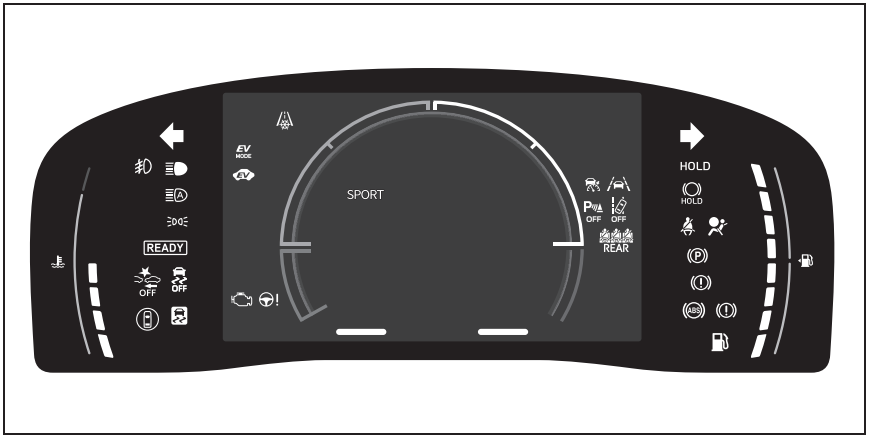
Warning lights and indicators

The warning lights and indicators on the instrument cluster and outside rear view mirrors inform the driver of the status of the vehicle's various systems.

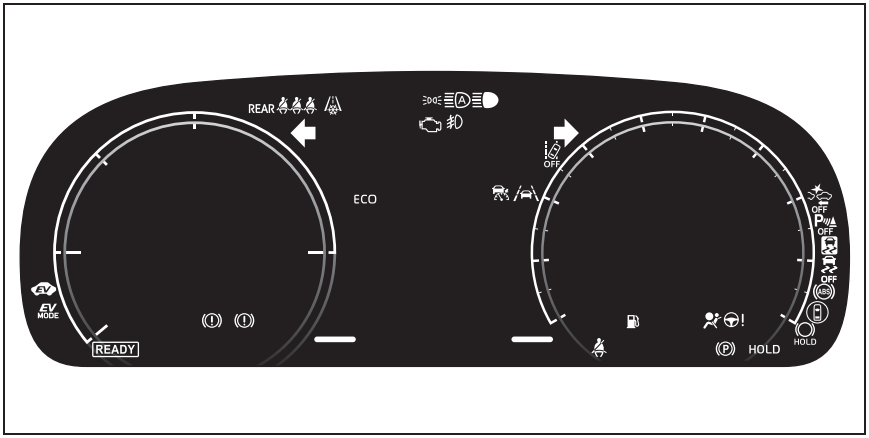
Warning lights and indicators displayed on the instrument cluster

For the purpose of explanation, the following illustrations display all warning lights and indicators illuminated.

▶ 7-inch display



▶ 12.3-inch display



Warning lights

Warning lights inform the driver of malfunctions in the indicated vehicle's systems.


(Red)

Brake system warning light*1 (→P.360)


(Yellow)

Brake system warning light*1 (→P.360)

High coolant temperature warning light*2 (→P.360)


*3

Hybrid system overheat warning light*2 (→P.361)

Charging system warning light*2 (→P.361)

Low engine oil pressure warning light*2 (→P.361)

Malfunction indicator lamp*1 (→P.361)

SRS warning light*1 (→P.362)

ABS warning light*1 (→P.362)

Inappropriate pedal operation warning light*2 (→P.362)


(Red)

Electric power steering system warning light*1 (→P.362)


(Yellow)

Electric power steering system warning light*1 (→P.362)

Low fuel level warning light (→P.363)

Driver's and front passenger's seat belt reminder light (→P.363)

Rear passengers' seat belt reminder lights (→P.363)

PCS warning light*1 (→P.364)


(Yellow)

LTA indicator (→P.364)


(Yellow)

LDA indicator (→P.364)


(Yellow)

Dynamic radar cruise control indicator (→P.364)


(Yellow)

Cruise control indicator (→P.364)

Driving assist information indicator*1 (→P.365)

Toyota parking assist-sensor OFF indicator*1 (→P.365)

Slip indicator*1 (→P.365)


(Flashes)

Parking brake indicator (→P.366)

(Flashes)

Brake hold operated indicator*1 (→P.366)

*1: These lights turn on when the power switch is turned to ON to indicate that a system check is being performed. They will turn off after the hybrid system is started, or after a few seconds. There may be a malfunction in a system if the light does

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

*2: This light illuminates on the multi-information display.

*3: Either one of the warning lights will be displayed. The warning light design depends on the country where the vehicle is available.

WARNING

■ If a safety system warning light does not come on

Should a safety system light such as the ABS and SRS warning light not come on when you start the hybrid system, 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.

Indicators

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


Turn signal indicator (→P.174)


Tail light indicator (→P.180)


Headlight high beam indicator (→P.181)


AHB indicator (→P.182)


Front fog light indicator (if equipped) (→P.185)

PCS warning light*1, 2 (→P.202)


(Green) LTA indicator (→P.215)


(White) LTA indicator (→P.215)


(Yellow [flashes]) LTA indicator (→P.215)


(Green) LDA indicator (→P.219)


(Yellow [flashes]) LDA indicator (→P.219)

LDA OFF indicator*2 (→P.219)


(Green) Dynamic radar cruise control indicator (→P.226)


(White) Dynamic radar cruise control indicator (→P.226)


(Green) Cruise control indicator (→P.234)


(White) Cruise control indicator (→P.234)


Driving assist information indicator*1, 2 (→P.240, 246, 256, 261, 265)


Outside rear view mirror indicators*1, 3 (→P.240)

Toyota parking assist-sensor OFF indicator*1, 2, 4 (→P.250)


Toyota parking assist-sensor detection indicator*5 (→P.250)


(Flashes) Slip indicator[*1] (→P.277)

VSC OFF indicator[*1, 2] (→P.278)

"READY" indicator (→P.164)

EV drive mode indicator (→P.168)


Parking brake indicator (→P.175)

Brake hold standby indicator[*1] (→P.178)

Brake hold operated indicator[*1] (→P.178)

EV indicator (→P.59)


Low outside temperature indicator[*6] (→P.74, 78)

Eco drive mode indicator (→P.276)

Sport mode indicator (→P.276)


Stop light indicator[*7]

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

[*2]: This light comes on when the system is turned off.

[*3]: This light illuminates on the outside rear view mirrors.

[*4]: Vehicles without multimedia display: The indicators turn off when the shift position is changed to R regardless of whether the Toyota parking assist-sensor function is turned on or off.

[*5]: Vehicles without multimedia display or rear camera

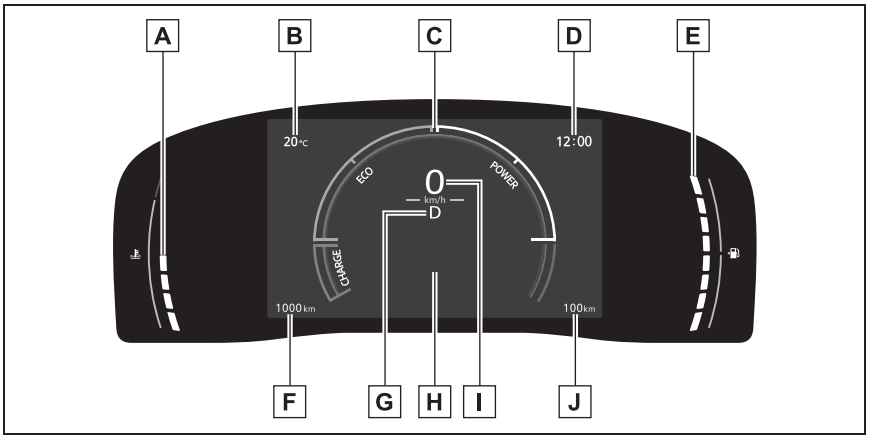
[*6]: When the outside temperature is approximately 3°C (37°F) or lower, this indicator will flash for approximately 10 seconds, then stay on.

[*7]: This light comes on when the stop lights are illuminated by the operation of the brake pedal or the driving assist system.

Gauges and meters (7-inch display)

Meter display

■ Locations of gauges and meters



A Engine coolant temperature gauge

Displays the engine coolant temperature

B Outside temperature

Displays the outside temperature within the range of -40°C (-40°F) to 60°C (140°F)

C Analog meter

Analog meter can be changed on the settings. (→P.87)

Hybrid System Indicator: Displays hybrid system output or regeneration level (→P.75)

Tachometer: Displays the engine speed in revolutions per minute

D Clock (→P.76)

E Fuel gauge

Displays the quantity of fuel remaining in the tank

F Odometer display

Displays the total distance the vehicle has been driven.
For a while after the hybrid system has started, distance until next engine oil change is displayed.

G Shift position/shift range (→P.170)

H Multi-information display

Presents the driver with a variety of vehicle data (→P.82)

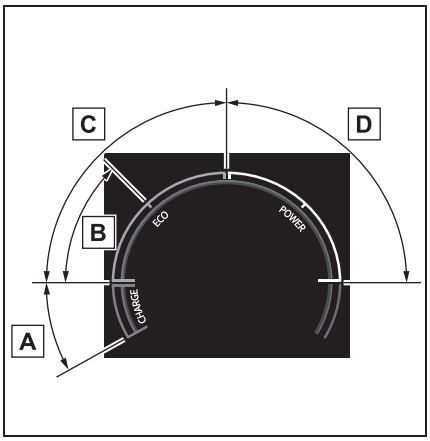
Displays warning messages if a malfunction occurs (→P.367)

I Digital speedometer

J Driving range

Displays driving range with remaining fuel. (→P.75)

■ Hybrid System Indicator



A Charge area

Shows regeneration* status.

Regenerated energy will be used to charge the hybrid battery (traction battery).

B Hybrid Eco area

Shows that gasoline engine power is not being used very often.

The gasoline engine will automatically stop and restart under various conditions.

C Eco area

Shows that the vehicle is being driven in an Eco-friendly manner.

By keeping the bar display within Eco area, more Eco-friendly driving can be achieved.

D Power area

Shows that an Eco-friendly driving range is being exceeded (during full power driving etc.)

*: When used in this manual, regeneration refers to the conversion of energy created by the movement of the vehicle into electrical energy.

■ Engine speed

On hybrid electric vehicles, engine speed is precisely controlled in order to help improve fuel efficiency and reduce exhaust emissions etc.
There are times when the engine speed that is displayed may differ even when vehicle operation and driving conditions are the same.

■ Hybrid System Indicator will operate when

The Hybrid System Indicator will operate in the following situations:

- The “READY” indicator is illuminated.
- The shift lever is in D or S.

■ Outside temperature display

- In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change:
  - When stopped, or driving at low speeds (less than 20 km/h [12 mph])
  - When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)
- When “--” or “E” is displayed, the system may be malfunctioning. Take your vehicle to your Toyota dealer.

■ Driving range

- Use the displayed values as a reference only.
- 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.

- When only a small amount of fuel is added to the tank, the display may not be updated. When refueling, turn the power switch off. If the vehicle is refueled without turning the power switch off, the display may not be updated.

■ Liquid crystal display

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

■ Free/Open Source Software Information

This product contains Free/Open Source Software (FOSS). The license information and/or the source code of such FOSS can be found at the following URL.

https://www.visteondocs.com/

■ Customization

The gauges and meters can be customized in ⚙ of the multi-information display. (→P.87)

⚠ WARNING

■ The information display at low temperatures

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

For example, there is a lag between the driver's shifting and the new gear number appearing on the display. This lag could cause the driver to downshift again, causing rapid and excessive engine braking and possibly an accident resulting in death or injury.

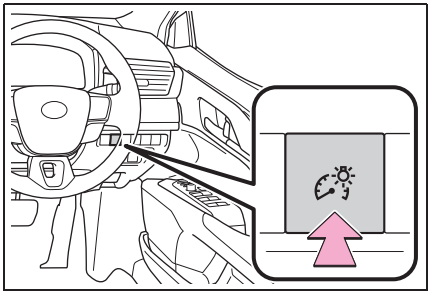
⚠ NOTICE

■ To prevent damage to the engine and its components

- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P.396)

Changing the instrument panel light brightness

Each time the instrument panel light switch is pressed, the instrument panel lights can be adjusted.



■ Brightness of the meters (day mode and night mode)

The brightness of the meters is changed between day mode and night mode.

- Day mode: When the surrounding area is bright
- Night mode: When the surrounding area is dark

Adjusting the clock

The clocks on the following can be

adjusted on the multimedia display.

- Multi-information display
- Multimedia display

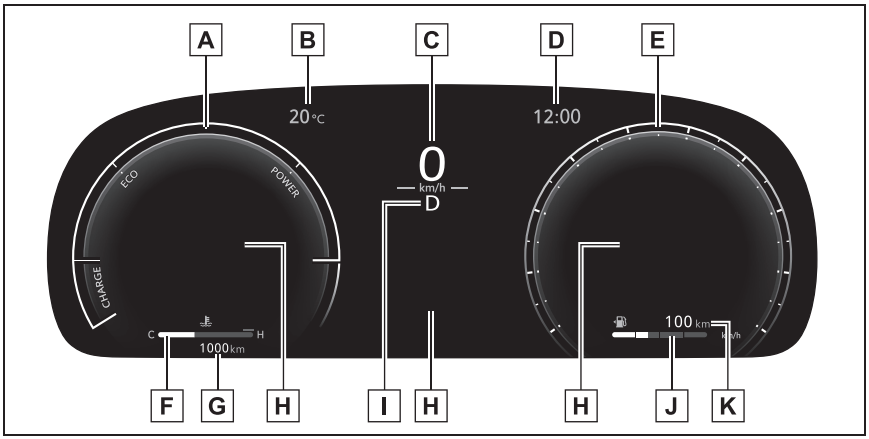
For details, refer to “Multimedia Owner’s Manual”.

Gauges and meters (12.3-inch display)

Meter display

■ Locations of gauges and meters

▶ Display type 1



A Analog meter

Analog meter can be changed on the settings. (→P.91)

Hybrid System Indicator: Displays hybrid system output or regeneration level (→P.80)

Tachometer: Displays the engine speed in revolutions per minute

B Outside temperature

Displays the outside temperature within the range of -40°C (-40°F) to 60°C (140°F)

C Digital speedometer

D Clock (→P.82)

E Analog speedometer

F Engine coolant temperature gauge

Displays the engine coolant temperature

G Odometer display

Displays the total distance the vehicle has been driven.
For a while after the hybrid system has started, distance until next engine oil change is displayed.

H Multi-information display

Presents the driver with a variety of vehicle data (→P.89)
Displays warning messages if a malfunction occurs (→P.367)

I Shift position/shift range (→P.170)

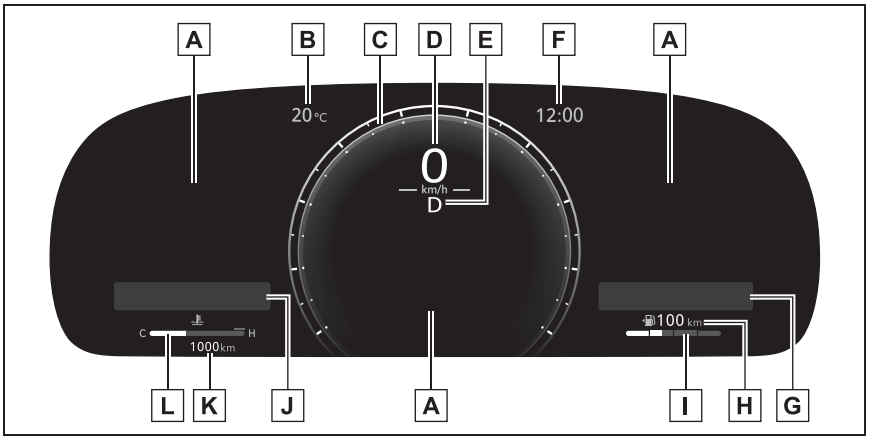
J Fuel gauge

Displays the quantity of fuel remaining in the tank

K Driving range

Displays driving range with remaining fuel. (→P.81)

▶ Display type 2/type 3



A Multi-information display

Presents the driver with a variety of vehicle data (→P.89)
Displays warning messages if a malfunction occurs (→P.367)

B Outside temperature

Displays the outside temperature within the range of -40°C (-40°F) to 60°C (140°F)

C Analog meter (display type 3 only)

Analog meter can be changed on the settings. (→P.91)

Analog speedometer: Displays the vehicle speed

Tachometer: Displays the engine speed in revolutions per minute

Hybrid System Indicator: Displays hybrid system output or regeneration level (→P.80)

D Digital speedometer

E Shift position/shift range (→P.170)

F Clock (→P.82)

G Widget (audio system-linked display)

Displays the selected audio source or track on the meter. (→P.94)

While list of items for content display area is displayed, widget will not be displayed.

H Driving range

Displays driving range with remaining fuel. (→P.81)

I Fuel gauge

Displays the quantity of fuel remaining in the tank

J Widget (fuel economy)

Displays fuel economy information. (→P.92)

While list of items for content display area is displayed, widget will not be displayed.

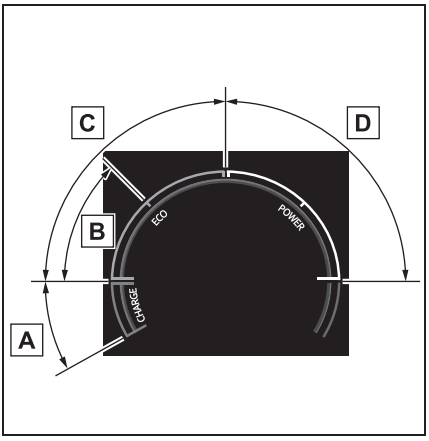
K Odometer display

Displays the total distance the vehicle has been driven.
For a while after the hybrid system has started, distance until next engine oil change is displayed.

L Engine coolant temperature gauge

Displays the engine coolant temperature

■ Hybrid System Indicator



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Shows that the vehicle is being driven in an Eco-friendly manner.

By keeping the bar display within Eco area, more Eco-friendly driving can be achieved.

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Shows that an Eco-friendly driving range is being exceeded (during full power driving etc.)

*: When used in this manual, regeneration refers to the conversion of energy created by the movement of the vehicle into electrical energy.

■ Engine speed

On hybrid electric vehicles, engine speed is precisely controlled in order to help improve fuel efficiency and reduce exhaust emissions etc.
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Hybrid System Indicator will operate when

The Hybrid System Indicator will operate in the following situations:

- The “READY” indicator is illuminated.
- The shift lever is in D or S.

Outside temperature display

- In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change:
  - When stopped, or driving at low speeds (less than 20 km/h [12 mph])
  - When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)
- When “--” or “E” is displayed, the system may be malfunctioning. Take your vehicle to your Toyota dealer.

Driving range

- Use the displayed values as a reference only.
- 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.
- When only a small amount of fuel is added to the tank, the display may not be updated. When refueling, turn the power switch off. If the vehicle is refueled without turning the power switch off, the display may not be updated.

Liquid crystal display

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

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https://www.denso.com/global/en/opensource/meter/toyota/

Customization

The gauges and meters can be customized in ⚙ of the multi-information display. (→P.91)

WARNING

The information display at low temperatures

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

For example, there is a lag between the driver’s shifting and the new gear number appearing on the display. This lag could cause the driver to downshift again, causing rapid and excessive engine braking and possibly an accident resulting in death or injury.

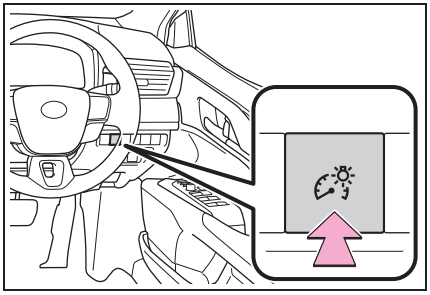
NOTICE

To prevent damage to the engine and its components

- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P.396)

Changing the instrument panel light brightness

Each time the instrument panel light switch is pressed, the instrument panel lights can be adjusted.



Brightness of the meters (day mode and night mode)

The brightness of the meters is changed between day mode and night mode.

- Day mode: When the tail lights are off or when the tail lights are on but the surrounding area is bright
- Night mode: When the tail lights are on and the surrounding area is dark

Adjusting the clock

The clocks on the following can be adjusted on the multimedia display.

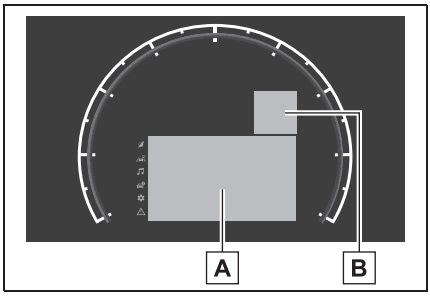
- Multi-information display
- Multimedia display

For details, refer to “Multimedia Owner’s Manual”.

Multi-information display (7-inch display)

Display and menu icons

Display



A Content display area

By selecting menu icons on the multi-information display, a variety of driving-related information can be displayed. The multi-information display can also be used to change display settings and other vehicle settings.

Warning or advice pop-up displays are also displayed in certain situations.

B Driving support system status display area

Displays an image when the following systems are operating and a menu icon other than is selected:

- PCS (Pre-Collision System) (→P.201)
- LTA (Lane Tracing Assist) (→P.212)
- LDA (Lane Departure Alert) (→P.216)
- Dynamic radar cruise control (→P.223)
- Cruise control (→P.234)

Menu icons

The menu icons will be displayed by pressing the ^ or v meter

control switch.

- Driving information display (→P.83)
- Driving support system information display (→P.86)
- Audio system-linked display (→P.86)
- Vehicle information display (→P.86)
- Settings display (→P.87)
- Warning message display (→P.367)

■ Liquid crystal display

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

⚠ WARNING

■ Caution for use while driving

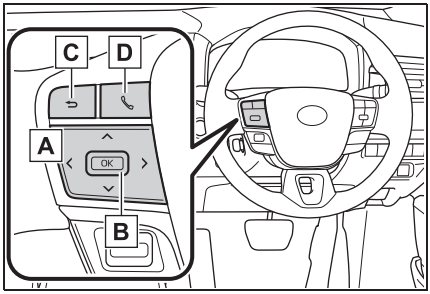
- When operating the multi-information display while driving, pay extra attention to the safety of the area around the vehicle.
- Do not look continuously at the multi-information display while driving as you may fail to see pedestrians, objects on the road, etc. ahead of the vehicle.

■ The information display at low temperatures

→P.76

Changing the meter display

The multi-information display is operated using the meter control switches.



A ∧/∨: Select menu icons, scroll the screen and move the cursor

〈/〉: Change displayed content, scroll the screen and move the cursor

B Press: Enter/Set
Press and hold: Reset/Display customizable items

C Return to the previous screen

D Call sending/receiving and history display

Linked with the hands-free system, sending or receiving call is displayed. For details regarding the hands-free system, refer to the “Multimedia Owner’s Manual”.

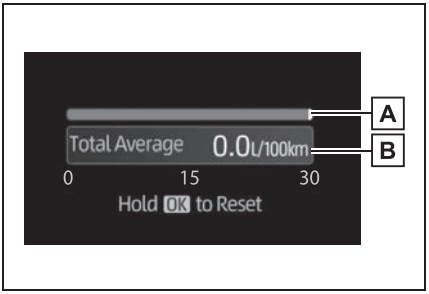
Driving information display

■ Display items

- Fuel economy
- ECO Accelerator Guidance/Eco score
- EV driving ratio

■ Fuel economy

Use the displayed values as a reference only.



A Current fuel consumption

Displays instantaneous current fuel consumption.

B Average fuel economy

The average fuel economy display can be changed in ⚙. (→P.87)

- Average fuel economy (after reset)

Displays average fuel consumption since display was reset.

To reset the average fuel economy display, press and hold the OK meter control switch.

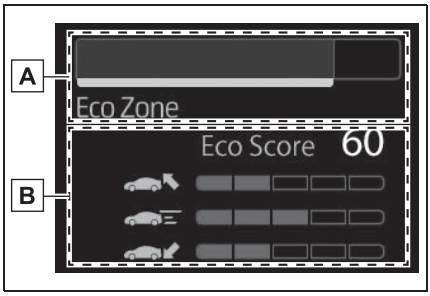
- Average fuel economy (after start)

Displays the average fuel consumption since hybrid system start.

- Average fuel economy (after refuel)

Displays the average fuel consumption since the vehicle was refueled.

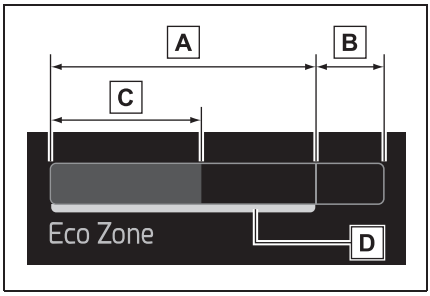
■ ECO Accelerator Guidance/Eco score



A ECO Accelerator Guidance

B Eco score

- ECO Accelerator Guidance



A Eco area

Indicates that the vehicle is being driven in an Eco-friendly manner.

B Power area

Indicates that the Eco-friendly driving range is being exceeded (during full power driving, etc.)

C Current accelerator pedal operation

D Reference operation range

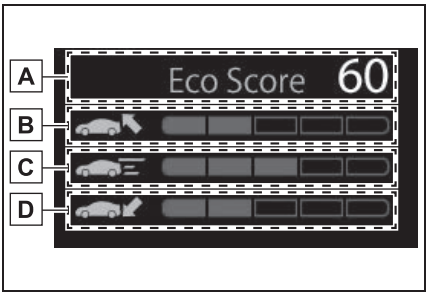
Represents an estimated suitable accelerator pedal operation range for the current driving conditions, such as starting off or cruising.

This display changes according to situ-

ation, such as when starting off or cruising.

● Eco score

The following 3 Eco driving methods are evaluated in 5 levels: Smooth start-off acceleration, driving without sudden acceleration, and smooth stopping. When the vehicle is stopped, an Eco score out of 100 points will be displayed.



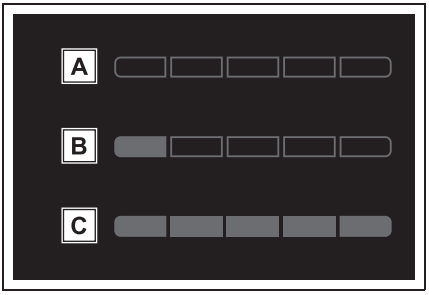
A Score result

B Eco start status

C Eco cruise status

D Eco stop status

How to read the bar display



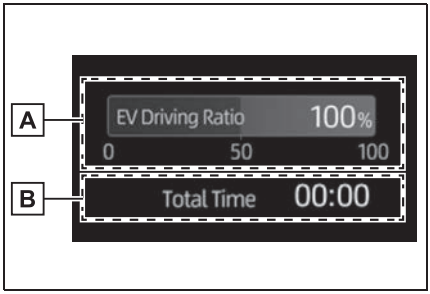
A Not yet evaluated

B Low

C High

- After the hybrid system is started, the Eco score will not be displayed until the vehicle speed exceeds approximately 30 km/h (19 mph).
- The Eco score will be reset each time the hybrid system is started.

■ EV Driving Ratio/Elapsed time after starting



A EV driving ratio after starting

Displays the percentage of EV driving since the hybrid system was started.*

B Elapsed time after starting

Displays the elapsed time since hybrid system was started.*

*: It is reset each time the hybrid system stops.

■ The ECO Accelerator Guidance/Eco score will not operate when

The ECO Accelerator Guidance/Eco score will not operate in the following situations:

- The Hybrid System Indicator is not operating.
- The vehicle is being driven using the cruise control or dynamic radar cruise control.

Driving support system information display

Driving support system information

Select to display the operational status of the following systems:

- PCS (Pre-Collision System) (→P.201)
- LTA (Lane Tracing Assist) (→P.212)
- LDA (Lane Departure Alert) (→P.216)
- Dynamic radar cruise control (→P.223)
- Cruise control (→P.234)

Navigation system-linked display (if equipped)

Select to display the following navigation system-linked information:

- Route guidance to destination
- Compass display

Audio system-linked display

The operating conditions of the audio system can be displayed on the multi-information display.

This menu icon can be set to be displayed/not displayed in ⚙. (→P.87)

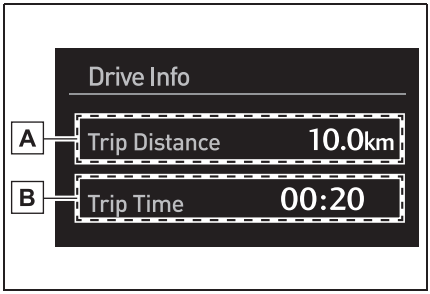
Vehicle information display

Display items

- Drive information
- Drive information of TRIP A/B
- Energy monitor (→P.100)

Drive information

Displays drive information such as the following:



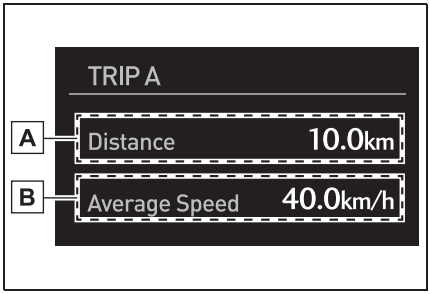
A Drive information 1

B Drive information 2

Displays the following depending on which drive information type and drive information items were selected in ⚙. (→P.87)

- Average speed: Displays the average vehicle speed since hybrid system start
- Trip distance: Displays the distance driven since hybrid system start
- Trip time: Displays the elapsed time since hybrid system start

Drive information of TRIP A/B



A Drive information of trip A/B 1

B Drive information of trip A/B 2

Displays the following depending on which drive information type and drive information items were selected in ⚙. (→P.87)

- Average speed: Displays the average vehicle speed of trip A/B
- Trip distance: Displays the distance driven of trip A/B
- Trip time: Displays the elapsed time of trip A/B

To reset, display the desired item press and hold the OK meter control switch.

Settings display

Meter display settings that can be changed

- Language

Select to change the language displayed.

- Units

Select to change the units of measure displayed.

- Meter Style

Select to change the meter style.

- Analog meter type

Select to change analog meter type. (→P.74)

- EV indicator

Select to enable/disable the EV indicator.

- 🍃

• Fuel economy display

Select to set the display of the fuel economy.

• Hybrid system display

Select to display/not display the reference operation range of Eco Accelerator Guidance. (→P.153)

- ♫

Select to display/not display the audio system linked display.

- 🚗ⓘ

Select to change the displayed content of the following:

• Display contents

Select to display/not display the energy monitor. (→P.100)

• Drive Info Items

Select to change the display of the drive information.

• TRIP A/B Items

Select to change the display of the drive information of TRIP A/B.

- Pop-up display

Select to enable/disable pop-up displays for each relevant system.

- Multi-information display off

Select to turn the multi-information display off.

To turn the multi-information display on again, press any of the following meter control switches

∧/∨/〈/〉/OK/⮌.

- Default setting

Select to reset the meter display settings to the default setting.

Vehicle functions and settings that can be changed

→P.410

Suspension of the settings display

- Some settings cannot be changed while driving. When changing settings, park the vehicle in a safe place.
- If a warning message is displayed, operation of the settings display will be suspended.

WARNING

Cautions during setting up the display

If the hybrid system is operating while changing certain settings on the settings display, ensure that the vehicle is parked in a place with adequate ventilation. In a closed area such as a garage, exhaust gases including harmful carbon monoxide (CO) may collect and enter the vehicle. This may lead to death or a serious health hazard.

NOTICE

During setting up the display

To prevent 12-volt battery discharge, ensure that the hybrid system is operating while setting up the display features.

Suggestion function

Displays suggestions to the driver in the following situations. To select a response to a displayed suggestion, use the meter control switches.

Suggestion to close the power windows (linked to windshield wiper operation)

If the windshield wipers are operated with a power window open, a suggestion message will be displayed asking if you wish to close the power windows.

To close all of the power windows, select “Yes”.

Suggestion to close the power windows (Driving at high speeds)

If the vehicle speed exceeds a certain speed with a power window open, a suggestion message will be displayed asking if you wish to close the power windows.

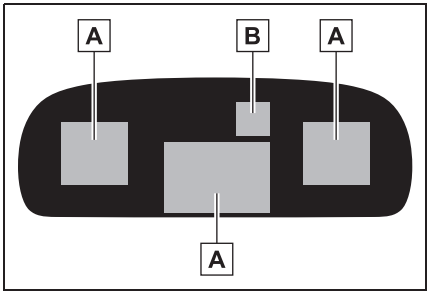
To close all of the power windows, select “Yes”.

Customization

Some functions can be customized. (→P.410)

Multi-information display (12.3-inch display)

Display



A Content display area

A variety of driving-related information can be displayed. The multi-information display can also be used to change display settings and other vehicle settings.

Warning or advice pop-up displays are also displayed in certain situations.

B Driving support system status display area

Displays a contracted display of the driving support system status when not selected for the content display area, while any of the following systems are operating:

- PCS (Pre-Collision System) (→P.201)
- LTA (Lane Tracing Assist) (→P.212)
- LDA (Lane Departure Alert) (→P.216)
- Dynamic radar cruise control (→P.223)
- Cruise control (→P.234)

■ Liquid crystal display

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

⚠ WARNING

■ Caution for use while driving

- When operating the multi-information display while driving, pay extra attention to the safety of the area around the vehicle.
- Do not look continuously at the multi-information display while driving as you may fail to see pedestrians, objects on the road, etc. ahead of the vehicle.

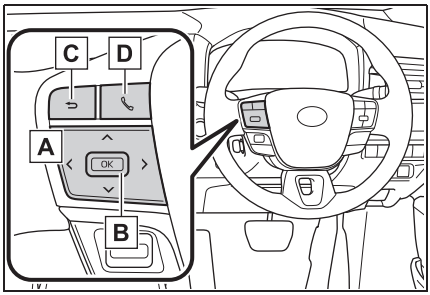
■ The information display at low temperatures

→P.81

Changing the meter display

■ Meter control switch

The multi-information display is operated using the meter control switches.



A 〈 / 〉: Select multi-information display

∧ / ∨: Change displayed content, scroll up/down the screen and move the cursor up/down

B Press: Enter/Set
Press and hold: Reset/Display customizable items

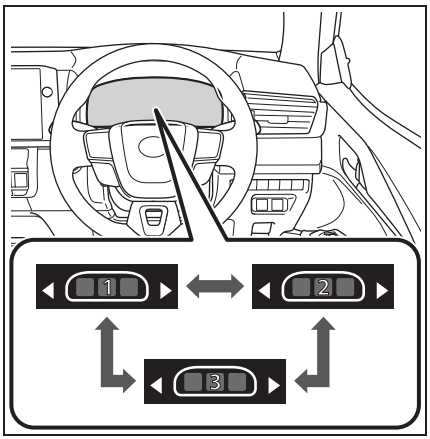
C Return to the previous screen

D Call sending/receiving and history display

Linked with the hands-free system, sending or receiving call is displayed. For details regarding the hands-free system, refer to the “Multimedia Owner's Manual”.

Changing meter pages

Press the ❮ or ❯ meter control switch to change the meter page.



Changing contents in a page

Select the desired content on the page’s setting mode display.

1. Press the ❮ or ❯ meter control switch to select a page.
2. To enable page edit, press and hold the OK meter control switch.
3. Press the ❮ or ❯ meter control switch to select a display to be changed.
4. Press the ^ or ⌄ meter control switch to select a content.
5. When the setting is complete, press the ⮌ meter control switch.

Content of multi-information display (Center)

Display contents

- Blank
- Driving support system information display
- Map display (if equipped)
- Settings
- Warning message (→P.367)

Changing contents in a page

→P.90

Driving support system information display

Select to display the operational status of the following systems:

- PCS (Pre-Collision System) (→P.201)
- LTA (Lane Tracing Assist) (→P.212)
- LDA (Lane Departure Alert) (→P.216)
- Dynamic radar cruise control (→P.223)
- Cruise control (→P.234)

Map display (if equipped)

Displays the map data according to the navigation system.

Switches the displayed map size by pressing OK .

Settings

- Meter display settings can be changed in ⚙

• Language

Select to change the language displayed.

• Units

Select to change the units of measure displayed.

• Meter Type

Select to change the meter type.

• Meter Style

Select to change the meter style.

• Analog meter type

Select to change analog meter type. (→P.78)

• EV indicator

Select to enable/disable the EV indicator.

• Fuel Economy

Select to set the display of the fuel economy.

• Hybrid System

Select to set the display of the reference operation range of Eco Accelerator Guidance.

• Drive Info Items

Select to change the display of the drive information.

• TRIP A/B Items

Select to change the display of the drive information of TRIP A/B.

• Pop-up display

Select to enable/disable pop-up displays for each relevant system.

• Default settings

Select to reset the meter display settings to the default setting.

- Vehicle functions and settings that can be changed in ⚙

→P.410

Suspension of the settings display

- Some settings cannot be changed while driving. When changing settings, park the vehicle in a safe place.
- If a warning message is displayed, operation of the settings display will be suspended.

WARNING

Cautions during setting up the display

If the hybrid system is operating while changing certain settings on the settings display, ensure that the vehicle is parked in a place with adequate ventilation. In a closed area such as a garage, exhaust gases including harmful carbon monoxide (CO) may collect and enter the vehicle. This may lead to death or a serious health hazard.

NOTICE

During setting up the display

To prevent 12-volt battery discharge, ensure that the hybrid system is operating while setting up the display features.

Content of multi-information display (Side)

Display contents (Side)

- Blank
- Fuel economy
- ECO Accelerator Guidance/Eco score
- EV Driving Ratio/Elapsed time

after starting

- Driving support system information display (→P.90)
- Navigation system-linked display (if equipped)
- Audio system-linked display
- Drive information
- Drive information of Trip A/B
- Energy monitor (→P.100)

■ Changing contents in a page

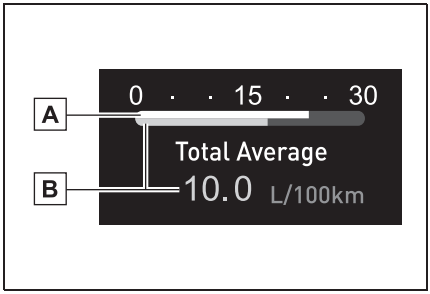
→P.90

■ Changing contents to be displayed on the side multi-information displays

1. Press the ❮ or ❯ meter control switch to select a page.
2. To enable page edit, press and hold the OK meter control switch.
3. Press the ❮ or ❯ meter control switch to select the desired side multi-information display to be changed.
4. Press the ❮ or ❯ meter control switch for the side that ☰ is displayed to move to a content list screen that enables to select display/not display each items.
5. Press the ^ or ⌄ meter control switch to select a content and press the OK to set for display/not display the item.

■ Fuel economy

Use the displayed values as a reference only.



A Current fuel consumption

Displays instantaneous current fuel consumption.

B Average fuel economy

The average fuel economy display can be changed in ⚙. (→P.91)

- Average fuel economy (after start)

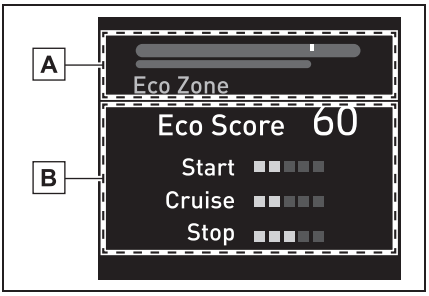
Displays the average fuel consumption since hybrid system start.

- Average fuel economy (after reset)

Displays average fuel consumption since display was reset.

To reset the average fuel economy display, press and hold the OK meter control switch.

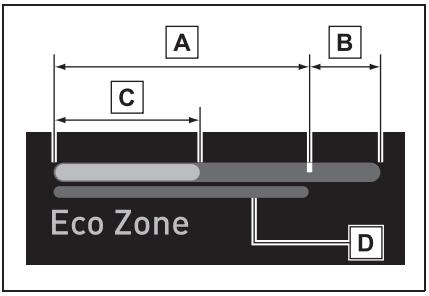
■ ECO Accelerator Guidance/Eco score



A ECO Accelerator Guidance

B Eco score

- ECO Accelerator Guidance



A Eco area

Indicates that the vehicle is being driven in an Eco-friendly manner.

B Power area

Indicates that the Eco-friendly driving range is being exceeded (during full power driving, etc.)

C Current accelerator pedal operation

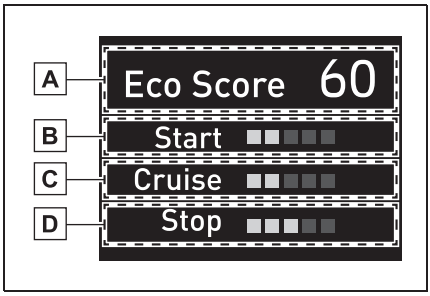
D Reference operation range

Represents an estimated suitable accelerator pedal operation range for the current driving conditions, such as starting off or cruising.

This display changes according to situation, such as when starting off or cruising.

- Eco score

The following 3 Eco driving methods are evaluated in 5 levels: Smooth start-off acceleration, driving without sudden acceleration, and smooth stopping. When the vehicle is stopped, an Eco score out of 100 points will be displayed.



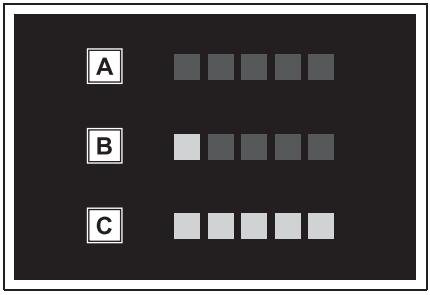
A Score result

B Eco start status

C Eco cruise status

D Eco stop status

How to read the bar display



A Not yet evaluated

B Low

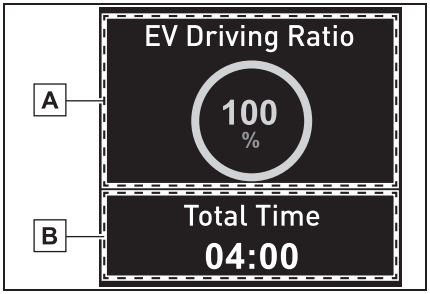
C High

- After the hybrid system is started, the Eco score will not be displayed until

the vehicle speed exceeds approximately 30 km/h (19 mph).

- The Eco score will be reset each time the hybrid system is started.

EV Driving Ratio/Elapsed time after starting



A EV driving ratio after starting

Displays the percentage of EV driving since the hybrid system was started.*

B Elapsed time after starting

Displays the elapsed time since hybrid system was started.*

*: It is reset each time the hybrid system stops.

Navigation system-linked display (if equipped)

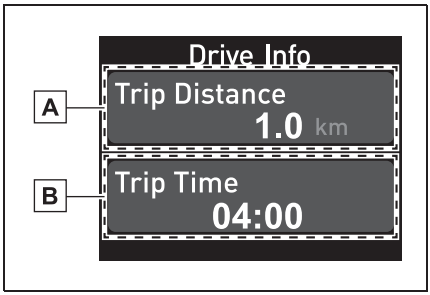
Select to display the following navigation system-linked information:

- Route guidance to destination
- Compass display (heading-up display)

Audio system-linked display (if equipped)

The operating conditions of the audio system can be displayed on the multi-information display.

Drive information



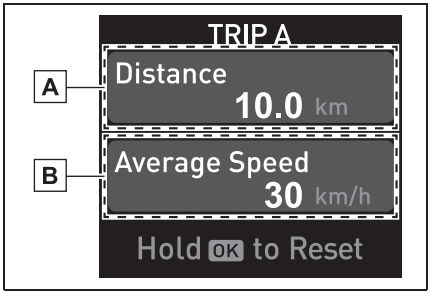
A Drive information 1

B Drive information 2

Displays the following depending on which drive information type and drive information items were selected in ⚙. (→P.91)

- Average speed: Displays the average vehicle speed since hybrid system start
- Trip distance: Displays the distance driven since hybrid system start
- Trip time: Displays the elapsed time since hybrid system start

Drive information of TRIP A/B



A Drive information of trip A/B 1

B Drive information of trip A/B 2

Displays the following depending

on which drive information type and drive information items were selected in ⚙. (→P.91)

- Average speed: Displays the average vehicle speed of trip A/B
- Trip distance: Displays the distance driven of trip A/B
- Trip time: Displays the elapsed time of trip A/B

To reset, display the desired item press and hold the OK meter control switch.

■ The ECO Accelerator Guidance/Eco score will not operate when

The ECO Accelerator Guidance/Eco score will not operate in the following situations:

- The Hybrid System Indicator is not operating.
- The vehicle is being driven using the cruise control or dynamic radar cruise control.

Suggestion function

Displays suggestions to the driver in the following situations. To select a response to a displayed suggestion, use the meter control switches.

■ Suggestion to close the power windows (linked to windshield wiper operation)

If the windshield wipers are operated with a power window open, a suggestion message will be displayed asking if you wish to close the power windows.

To close all of the power windows, select “Yes”.

■ Suggestion to close the power windows (Driving at high speeds)

If the vehicle speed exceeds a certain speed with a power window open, a suggestion message will be displayed asking if you wish to close the power windows.

To close all of the power windows, select “Yes”.

■ Customization

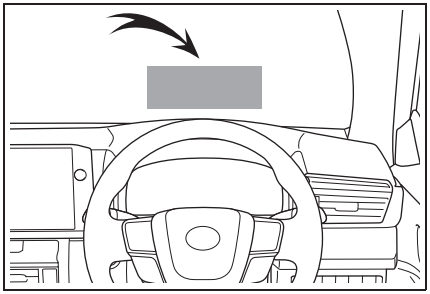
Some functions can be customized. (→P.410)

Head-up display*

*: If equipped

The head-up display projects a variety of driving-related information and the operating state of the driving support systems on the windshield.

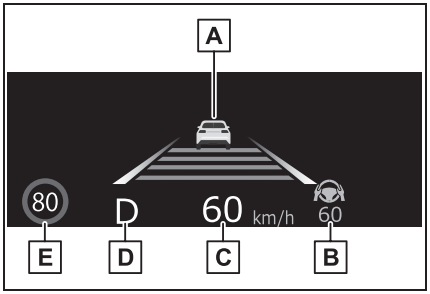
System components



Can be changed the head-up display type.

The content displayed will differ according to the driving conditions and displaymode of the head-up display. Depending on the situation, pop-up displays will also be displayed.

■ **Full**



These images are examples only, and may vary slightly from actual conditions.

A Content display area
- Driving support system information display (→P.98)
- Tachometer

Displays the engine speed in revolutions per minute
- Hybrid System Indicator (→P.99)

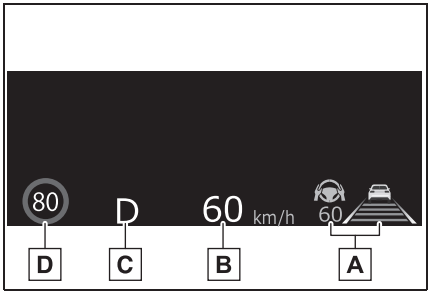
B Driving support system information display (→P.98)

C Speedometer

D Shift position/shift range (→P.170)

E RSA (Road Sign Assist) display area (→P.221)

■ **Standard**



These images are examples only, and may vary slightly from actual conditions.

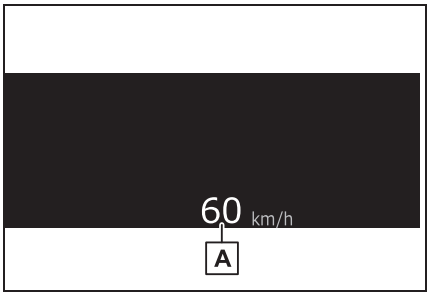
A Driving support system information display (→P.98)

B Speedometer

C Shift position/shift range (→P.170)

D RSA (Road Sign Assist) display area (→P.221)

■ **Minimum**



These images are examples only, and may vary slightly from actual conditions.

A Speedometer

■ **Head-up display will operate when**

The power switch is in ON.

■ **When using the head-up display**

The head-up display may seem dark or hard to see when viewed through sunglasses, especially polarized sunglasses. Adjust the brightness of the head-up display or remove your sunglasses.

WARNING

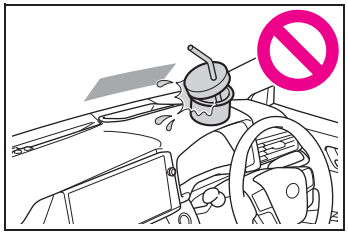
■ **When using the head-up display**

- Check that the position and brightness of the head-up display image does not interfere with safe driving. Incorrect adjustment of the image's position or brightness may obstruct the driver's view and lead to an accident, resulting in death or serious injury.
- Do not continuously look at the head-up display while driving as you may fail to see pedestrians, objects on the road, etc. ahead of the vehicle.

NOTICE

■ **Head-up display projector**

- Do not place any drinks near the head-up display projector. If the projector gets wet, electrical malfunctions may result.



- Do not place anything on or put stickers onto the head-up display projector.
  Doing so could interrupt head-up display indications.
- Do not touch the inside of the head-up display projector or thrust sharp edges or the like into the projector.
  Doing so could cause mechanical malfunctions.

Using the head-up display

Select ⚙ on the multi-information display (→P.91) and then "HUD Main".

■ **Enabling/disabling the head-up display**

Press the OK meter control switch to enable/disable the head-up display.

■ **Changing the head-up display settings**

Press and hold the OK meter control switch to change the following

settings:

- Brightness and vertical position of the head-up display

Select to adjust the brightness or vertical position of the head-up display.

- Display type

Select to change the display type of the head-up display (→P.96)

- Display angle

Select to adjust the angle of the head-up display.

■ Enabling/disabling of the head-up display

If the head-up display is disabled, it will remain disabled when the power switch is turned off then back to ON.

■ Display brightness

- The brightness of the head-up display can be adjusted on ⚙ of the multi-information display. Also, it is automatically adjusted according to the ambient brightness.
- When the temperature around the head-up display is high, the display will gradually become dark to protect the head-up display. It will gradually return to normal when the temperature drops.

■ Automatic adjustment of the head-up display position

A desired head-up display position can be entered to memory and recalled automatically by the driving position memory system. (→P.144)

⚠ WARNING

■ Caution for changing settings of the head-up display

If the hybrid system is operating while changing certain settings on the settings display, ensure that the vehicle is parked in a place with adequate ventilation. In a closed area such as a garage, exhaust gases including harmful carbon monoxide (CO) may collect and enter the vehicle. This may lead to death or a serious health hazard.

NOTICE

■ When changing the settings of the head-up display

To prevent 12-volt battery discharge, ensure that the hybrid system is operating while changing the settings of the head-up display.

Driving support system information display

Displays the operational status of the following systems:

- PCS (Pre-Collision System) (→P.201)
- LTA (Lane Tracing Assist) (→P.212)
- LDA (Lane Departure Alert) (→P.216)
- Dynamic radar cruise control (→P.223)
- Cruise control (→P.234)

Details of content displayed on the head-up display may differ from that displayed on the multi-information display. For details, refer to the explanation of each system.

Pop-up display

Pop-up displays for the following systems will be displayed when necessary:

■ Driving support systems

Displays a warning/suggestion/advice message or the operating state of a relevant system.

■ Navigation system-linked display area (if equipped)

Displays the following items which are linked to the navigation system:

- Street name
- Route guidance to destination

■ Warning message

Some warning messages are displayed when necessary, according to certain conditions.

Details of content displayed on the head-up display may differ from that displayed on the multi-information display.

■ Audio system operation status

Displayed when an audio remote control switch on the steering wheel is operated.

■ Hands-free system status

Displayed when the hands-free system is operated.

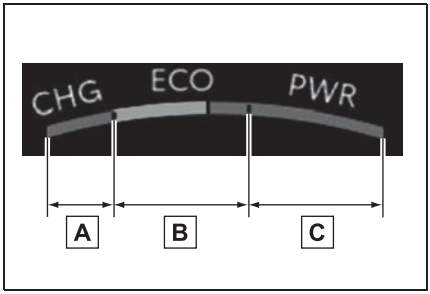
■ When a pop-up display is displayed

When a pop-up display is displayed, a current display may no longer be displayed. In this case, the display will return after the pop-up display disappears.

■ Street name display (if equipped)

Only street names which are included in the map data will be displayed.

Hybrid System Indicator



A Charge area

B Eco area

C Power area

Displayed content is the same as that displayed on the meter (Hybrid System Indicator). For details, refer to P.80.

■ Hybrid System Indicator or tachometer is displayed when

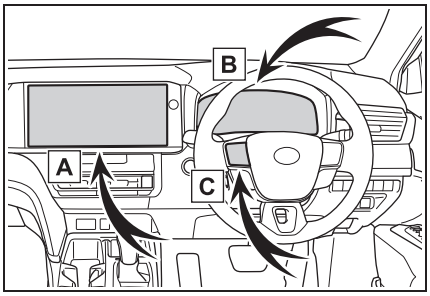
- Hybrid System Indicator is displayed when all of the following conditions are met:
  - Driving support system information (→P.98) is not displayed.
  - When other than Sport mode is selected.
  - Full mode (→P.96) is selected as head-up display type.
- Tachometer is displayed when all of the following conditions are met:
  - Driving support system information (→P.98) is not displayed.
  - When Sport mode is selected.
  - Full mode (→P.98) is selected as head-up display type.

Energy monitor/consumption screen*

*: If equipped

You can view the status of your hybrid system on the multi-information display and the multimedia display.

System components



A Multimedia display

B Multi-information display

C Meter control switches

Energy monitor

The energy monitor can be used to check the vehicle drive status, hybrid system operation status and energy regeneration status.

■ **Display procedure**

▶ Multi-information display

Use the meter control switches, display the energy monitor on the multi-information display. (→P.83, 89)

Vehicles with the multi-information display (12.3-inch display): The energy monitor can be displayed on the content display area (left/right) of the multi-information display. (→P.91)

▶ Multimedia display

1 Select on the main menu.

2 Select “Energy flow”.

■ **Reading the display**

The arrows will appear in accordance with the energy flow. When there is no energy flow, arrows will not be displayed.

The color of the arrows will change as follows

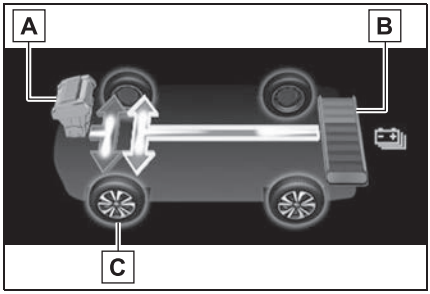
Green: When the hybrid battery (traction battery) is regenerated or charged.

Yellow or orange: When the hybrid battery (traction battery) is in use.

Red: When the gasoline engine is in use.

The image shows all the arrows as an example. The actual display will vary depending on conditions.

▶ Multi-information display (7-inch display)

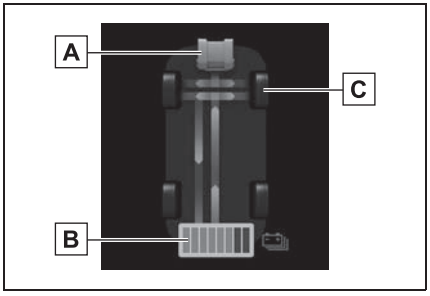


A Gasoline engine

B Hybrid battery (traction battery)

C Tires

▶ Multi-information display (12.3-inch display)

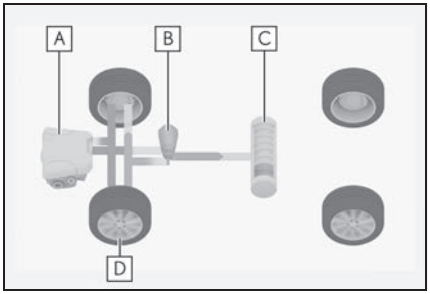


A Gasoline engine

B Hybrid battery (traction battery)

C Tires

▶ Multimedia display



A Gasoline engine

B Electric motor (traction motor)

C Hybrid battery (traction battery)

D Tires

■ Color of the hybrid battery (traction battery) on the multimedia display

It will be blue when the hybrid battery (traction battery) is being charged, and yellow when the hybrid battery (traction battery) is being used.

■ Remaining charge amount warning of hybrid battery (traction battery)

When a warning message is shown on the multi-information display, follow the instructions displayed on the screen to perform trouble shooting.

■ Color of the gasoline engine on the multimedia display

It will be blue when the engine is warming up, and it will turn to red when the warming up is finished.

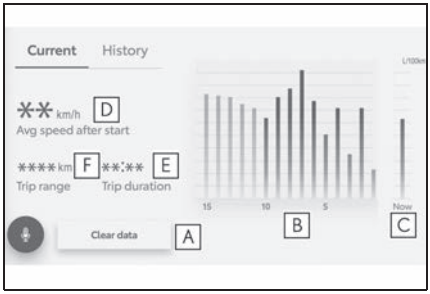
Consumption

1 Select on the main menu.

2 Select “Trip information”.

3 Select “Current” or “History”.

■ Trip information



A Resetting the consumption data

B Fuel consumption in the past 15 minutes

C Current fuel consumption

D Average vehicle speed since the hybrid system was started.

E Elapsed time since the hybrid system was started.

F Cruising range

Use the displayed average fuel consumption as a reference.

The image is an example only, and may vary slightly from actual conditions.

■ History

A Best recorded fuel consumption

B Latest fuel consumption

C Previous fuel consumption record

D Resetting the history data

E Updating the latest fuel consumption data

Use the displayed average fuel consumption as a reference.

The image is an example only, and may vary slightly from actual conditions.

■ Updating the history data

Update the latest fuel consumption by selecting “Update” to measure the current fuel consumption again.

■ Resetting the data

The fuel consumption data can be deleted by selecting “Clear data”.

■ Cruising range

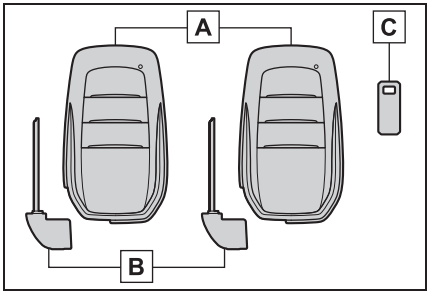
Displays the estimated maximum distance that can be driven with the quantity of fuel remaining.

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.

Keys

The keys

The following keys are provided with the vehicle.



A Electronic keys

- Operating the smart entry & start system (→P.114)
- Operating the wireless remote control function (→P.105)

B Mechanical keys

C Key number plate

When riding in an aircraft

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

Electronic key battery depletion

- The standard battery life is 1 to 2 years.
- If the battery becomes low, an alarm will sound in the cabin and a message will be shown on the multi-information display when the hybrid system is stopped.
- To reduce key battery depletion when the electronic key is to not be used for long periods of time, set the electronic key to the battery-saving mode. (→P.116)
- As the electronic key always receives radio waves, the battery will become depleted even if the electronic key is not used. The following symptoms indicate that the electronic key battery may be depleted. Replace the battery when necessary. (→P.342)
  - The smart entry & start system or the wireless remote control does not operate.
  - The detection area becomes smaller.
  - The LED indicator on the key surface does not turn on.
- You can replace the battery by yourself (→P.342). However, as there is a danger that the electronic key may be damaged, it is recommended that replacement is carried out by your Toyota dealer.
- To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Table lamps
  - Induction cookers
- If the electronic key is near the vehicle for longer than necessary, even if the smart entry & start system is not operated, the key battery may become depleted faster than normal.

Replacing the battery

→P.342

The electronic key function is suspended when

The electronic key function may be suspended when the electronic key is kept unmoved in a same location for a certain period, such as it is left on a same place.

This is to reduce battery consumption. The function will be restored automatically when the electronic key is moved, such as it is picked up.

■ If "A New Key has been Registered Contact Your Dealer for Details" is shown on the multi-information display

This message will be displayed each time the driver's door is opened when the doors are unlocked from the outside for approximately 10 days after a new electronic key has been registered.
If this message is displayed but you have not had a new electronic key registered, ask your Toyota dealer to check if an unknown electronic key (other than those in your possession) has been registered.

⚠ NOTICE

■ To prevent key damage

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

■ Carrying the electronic key on your person

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

■ In case of a smart entry & start system malfunction or other key-related problems

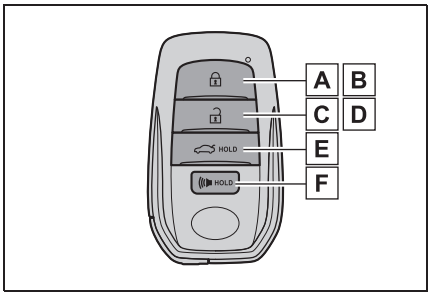
→P.388

■ When an electronic key is lost

→P.388

Wireless remote control

The keys are equipped with the following wireless remote control:



A Locks the doors (→P.107)

B Closes the windows*1 and panoramic moon roof*1, 2 (→P.107)

C Unlocks the doors (→P.107)

D Opens the windows*1 and panoramic moon roof*1, 2 (→P.107)

E Opens the trunk (→P.113)

F Sounds the alarm (→P.106)

*1: This setting may require

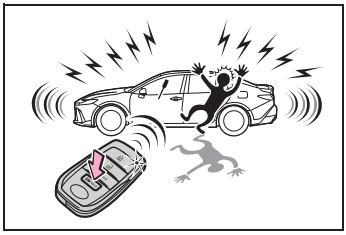
customization at your Toyota dealer.

*2: If equipped

■ **Panic mode**

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

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



■ **Conditions affecting the operation of the smart entry & start system or wireless remote control**

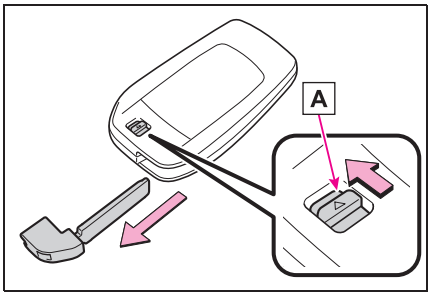
→P.116

Using the mechanical key

To take out the mechanical key, slide the release lever A and take the key out.

The mechanical key can only be inserted in one direction, as the key only has grooves on one side. If the key cannot be inserted in a lock cylinder, turn it over and re-attempt to insert it.

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key. (→P.388)



■ **If you lose your mechanical keys**

→P.388

■ **If a wrong key is used**

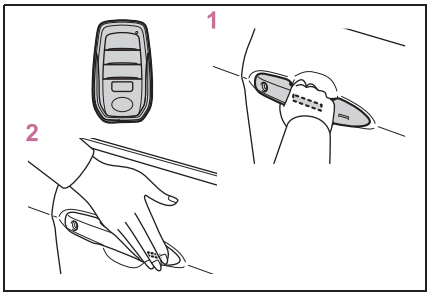
The key cylinder rotates freely, isolated from the internal mechanism.

Doors

Unlocking and locking the doors from the outside

■ Smart entry & start system

Carry the electronic key to enable this function.



1 Grip the front door handle to unlock all the doors.*

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

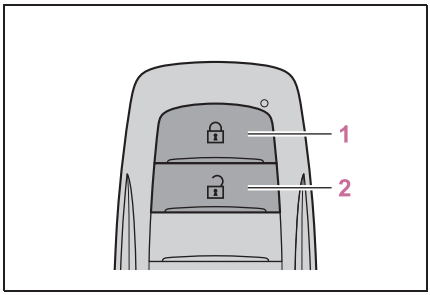
The doors cannot be unlocked for 3 seconds after the doors are locked.

*: The door unlock settings can be changed. (→P.107, 410)

2 Touch the lock sensor (the indentation on the side of the front door handle) to lock all the doors.

Check that the door is securely locked.

■ Wireless remote control



1 Locks all the doors

Check that the door is securely locked.

Press and hold to close the windows*1 and panoramic moon roof.*1, 2

2 Unlocks all the doors

Press and hold to open the windows*1 and panoramic moon roof.*1, 2

*1: This setting may require customization at your Toyota dealer.

*2: If equipped

■ Switching the door unlock function

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

1 Turn the power switch off.

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

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

Multi-information display/Beep	Unlocking function
 (7-inch display)  (12.3-inch display) Exterior: Beeps 3 times	Holding the driver's door handle unlocks only the driver's door.
	Holding the front passenger's door handle unlocks all the doors.
 (7-inch display)  (12.3-inch display) Exterior: Beeps twice	Holding either front door handle unlocks all the doors.

To prevent unintended triggering of the alarm, unlock the doors using the wireless remote control and open and close a door once after the settings have been changed. (If a door is not opened within 30 seconds after is pressed, the doors will be locked again and the alarm will automatically be set.)
In case that the alarm is triggered, immediately stop the alarm. (→P.67)

Impact detection door lock release system

In the event that the vehicle is subject to a strong impact, all the doors are unlocked. Depending on the force of the impact or the type of accident, however, the system may not operate.

Operation signals

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

A buzzer sounds to indicate that the windows and panoramic moon roof* are operating.

*: If equipped

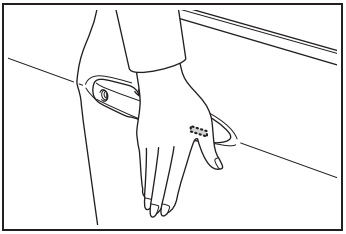
Security feature

If a door is not opened within approximately 30 seconds after the vehicle is unlocked using the entry function or wireless remote control, the security feature automatically locks the vehicle again.

When the door cannot be locked by the lock sensor on the surface of the front door handle

If the doors cannot be locked by touching the lock sensor with a finger, touch the lock sensor with the palm of your hand.

If you are wearing gloves, remove them.



Door lock buzzer

If an attempt to lock the doors using the entry function or wireless remote control is made when a door is not fully closed, a buzzer will sound continuously for 5 seconds. Fully close the door to stop the buzzer, and lock the doors again.

Setting the alarm

Locking the doors will set the alarm system. (→P.67)

Conditions affecting the operation of the smart entry & start system or wireless remote control

→P.116

If the smart entry & start system or the wireless remote control does not operate properly

Use the mechanical key to lock and unlock the doors. (→P.389)

Replace the key battery with a new one if it is depleted. (→P.342)

If the 12-volt battery is discharged

The doors cannot be locked and unlocked using the entry function or wireless remote control. Lock or unlock the doors using the mechanical key. (→P.389)

Passenger and rear seat reminder function

As the first reminder so as not to forget luggage, etc. in the front passenger seat or a rear seat, when the power switch is turned off after any of the following conditions are met, a buzzer will sound and a message will be displayed on the multi-information display for approximately 6 seconds.

- The hybrid system is started within approximately 15 minutes after opening and closing a rear door or the front passenger door.
- A rear door or the front passenger door has been opened and closed after the hybrid system was started.

However, if the front passenger door or a rear door is opened and then closed within approximately 2 seconds, the passenger and rear seat reminder function may operate.

If temporary cancelation of the second reminder is desired, follow the message displayed.

The second reminder will be re-enabled when the hybrid system is turned on.

As the second reminder, when the doors are locked with a door-lock confirmation buzzer sound and flashing of the emergency flashers once, a buzzer will sound and the emergency flashers will flash several times, and a message will be displayed on the multi-information display.

The second reminder will not be activated if the front passenger door or a rear door was opened before the doors are locked.

The passenger and rear seat reminder function determines that luggage, etc. has been placed in the front passenger seat or a rear seat based on opening and closing of the front passenger door or a rear door. Therefore, depending on the situation, the passenger and rear seat reminder function may not operate and you may still forget luggage, etc. in the front passenger seat or a rear seat, or it may operate unnecessarily.

Customization

Some functions can be customized. (→P.410)

WARNING

To prevent an accident

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

- Ensure that all doors are properly closed and locked.
- Do not pull the inside door handle while driving.
  Be especially careful of the driver's door, as the door may be opened even if the inside lock button is in the locked position.
- Set the rear door child-protector locks when children are seated in the rear seats.

WARNING

■ When opening or closing a door

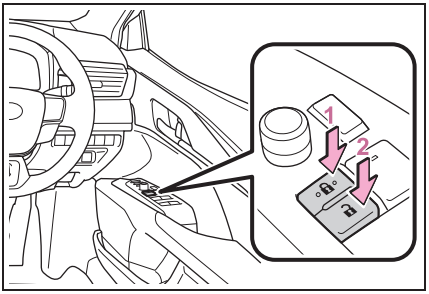
Check the surroundings of the vehicle such as whether the vehicle is on an incline, whether there is enough space for a door to open and whether a strong wind is blowing. When opening or closing the door, hold the door handle tightly to prepare for any unpredictable movement.

■ When using the wireless remote control and operating the power windows or panoramic moon roof (if equipped)

Operate the power windows or panoramic moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the windows or panoramic moon roof. Also, do not allow children to operate the wireless remote control or the key. It is possible for children and other passengers to get caught in the power windows or panoramic moon roof.

Unlocking and locking the doors from the inside

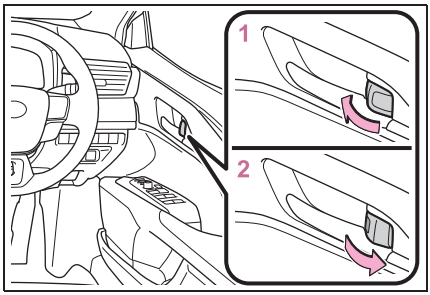
■ Door lock switches (to lock/unlock)



1 Locks all the doors

2 Unlocks all the doors

■ Inside lock buttons



1 Locks the door

2 Unlocks the door

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

■ Locking the front doors from the outside without a key

1 Move the inside lock button to the lock position.

2 Close the door while pulling the door handle.

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

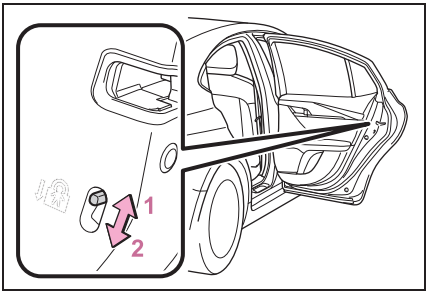
■ Open door warning buzzer

If a door(s), the hood or the trunk is not fully closed, a buzzer will sound when the vehicle speed reaches 5 km/h (3 mph).

The open door(s), the hood or the trunk is indicated on the multi-information display.

Rear door child-protector lock

The door cannot be opened from inside the vehicle when lock is set.



1 Unlock

2 Lock

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.

Automatic door locking and unlocking systems

The following functions can be set or canceled:

For instructions on customizing, refer to P.410.

Function	Operation
Speed linked door locking function	All doors are automatically locked when vehicle speed is approximately 20 km/h (12 mph) or higher.
Shift position linked door locking function	All doors are automatically locked when shifting the shift lever out of P.
Shift position linked door unlocking function	All doors are automatically unlocked when shifting the shift lever to P.
Driver's door linked door unlocking function	All doors are automatically unlocked when driver's door is opened.

Trunk

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

WARNING

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

■ Before driving

- Make sure that the trunk lid is fully closed. If the trunk lid is not fully closed, it may open unexpectedly while driving and hit near-by objects or luggage in the trunk may be thrown out, causing an accident.
- Do not allow children to play in the trunk.
  If a child is accidentally locked in the trunk, they could suffer from heat exhaustion, suffocation or other injuries.
- Do not allow a child to open or close the trunk lid.
  Doing so may cause the trunk lid to open unexpectedly, or cause the child's hands, head, or neck to be caught by the closing trunk lid.

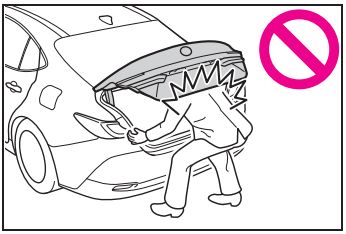
■ Important points while driving

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

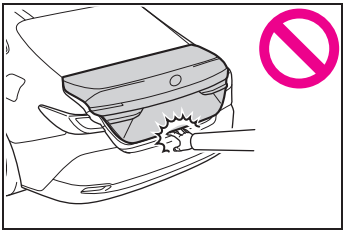
■ Using the trunk

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

- Remove any heavy loads, such as snow and ice, from the trunk lid before opening it. Failure to do so may cause the trunk lid to suddenly shut again after it is opened.
- When opening or closing the trunk lid, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the trunk is about to open or close.
- Use caution when opening or closing the trunk lid in windy weather as it may move abruptly in strong wind.
- The trunk lid may suddenly shut if it is not opened fully. It is more difficult to open or close the trunk lid on an incline than on a level surface, so beware of the trunk lid unexpectedly opening or closing by itself. Make sure that the trunk lid is fully open and secure before using the trunk.



- When closing the trunk lid, take extra care to prevent your fingers etc. from being caught.



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

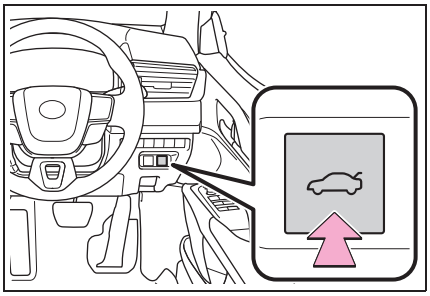
WARNING

- Do not attach any accessories other than genuine Toyota parts to the trunk lid. Such additional weight on the trunk lid may cause the lid to suddenly shut again after it is opened.

Opening/closing the trunk

Trunk opener

Press the trunk opener switch.

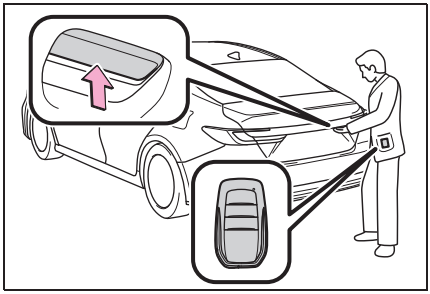


Trunk release button

While carrying the electronic key, press the button on the trunk lid.

When all the doors are unlocked using one of the following methods, the trunk can be opened without the electronic key:

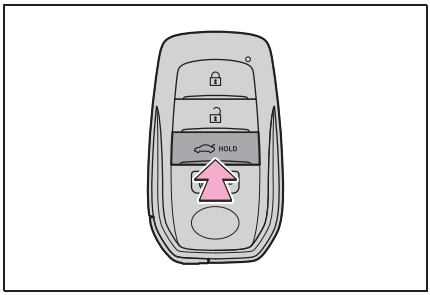
- Entry function
- Wireless remote control
- Door lock switches
- Automatic door unlocking system
- Mechanical key



Wireless remote control

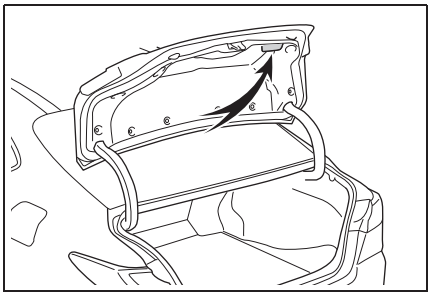
Press and hold the switch.

A buzzer sounds.



Trunk grip

Using the trunk grip, pull down the trunk lid without applying sideways force and push the trunk lid down from the outside to close it.



Trunk light

- The trunk light turns on when the trunk is opened.
- If the trunk light is left on when the

power switch is turned off, the light will go off automatically after 20 minutes.

■ **Function to prevent the trunk being locked with the electronic key inside**

- When all doors are locked, closing the trunk lid with the electronic key left inside the trunk will sound an alarm. In this case, the trunk lid can be opened pressing the trunk release button on the trunk lid.
- If the spare electronic key is put in the trunk with all the doors locked, the key confinement prevention function is activated so the trunk can be opened. In order to prevent theft, take all electronic keys with you when leaving the vehicle.
- If the electronic key is put in the trunk with all the doors locked, the key may not be detected depending on the location of the key and the surrounding radio wave conditions. In this case, the key confinement prevention function cannot be activated, causing the doors to lock when the trunk is closed. Make sure to check where the key is before closing the trunk.
- The key confinement prevention function cannot be activated if any one of the doors is unlocked. In this case, open the trunk using the trunk opener.

■ **If the smart entry & start system or the wireless remote control does not operate properly**

Replace the key battery with a new one if it is depleted. (→P.342)

■ **Open door warning buzzer**

→P.110

■ **Customization**

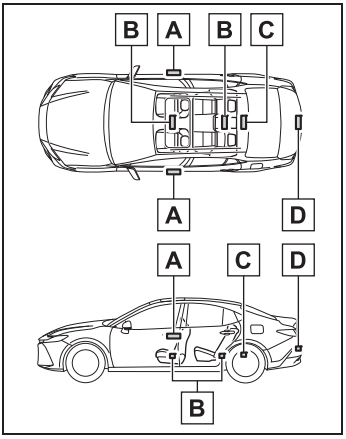
Some functions can be customized. (→P.410)

Smart entry & start system

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

- Locks and unlocks the doors (→P.107)
- Opens the trunk (→P.113)
- Starts the hybrid system (→P.164)

■ **Antenna location**



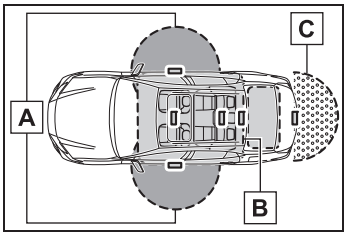
A Antennas outside the cabin

B Antennas inside the cabin

C Antenna inside the trunk

D Antenna outside the trunk

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



A When locking or unlocking the doors

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

B When starting the hybrid system or changing power switch modes

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

C When opening the trunk

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

Alarms and warning messages

A combination of exterior and interior buzzers as well as warning messages shown on the multi-information display are used to prevent theft of the vehicle and accidents resulting from erroneous operation. Take appropriate measures based on the displayed message. (→P.367)

When only an alarm sounds, circumstances and correction procedures are as follows.

- Exterior buzzer sounds once for 5 seconds

Situation	Correction procedure
An attempt was made to lock the vehicle while a door was open.	Close all of the doors and lock the doors again.
The trunk was closed while the electronic key was still inside the trunk and all the doors were locked.	Retrieve the electronic key from the trunk and close the trunk lid.

- Interior buzzer sounds continuously

Situation	Correction procedure
The power switch was turned to ACC while the driver's door was open (or the driver's door was opened while the power switch was in ACC).	Turn the power switch off and close the driver's door.
The power switch was turned to off while the driver's door was open.	Close the driver's door.

Battery-saving function

The battery-saving function will be activated in order to prevent the electronic key battery and the 12-volt battery from being discharged while the vehicle is not operated for a long time.

- In the following situations, the smart entry & start system may take some time to unlock the doors.
  - The electronic key has been left within approximately 3.5 m (11 ft.) of the outside of the vehicle for 40 seconds or longer.
  - The smart entry & start system has not been used for 5 days or longer.
- If the smart entry & start system has not been used for 14 days or longer, the doors cannot be unlocked from

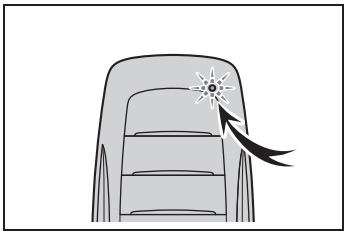
any door except the driver's door. In this case, hold the driver's door handle, or use the wireless remote control or mechanical key to unlock the doors.

Electronic key battery-saving function

When battery-saving mode is set, battery depletion is minimized by stopping the electronic key from receiving radio waves.

Press twice while pressing and holding . Confirm that the electronic key indicator flashes 4 times.

While the battery-saving mode is set, the smart entry & start system cannot be used. To cancel the function, press any of the electronic key buttons.



When electronic key function stops

If the position of the electronic key has not changed for a certain amount of time such as when the electronic key is left some where, the function of the electronic key stops to reduce depletion of the battery.

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, wireless remote control and immobilizer system from operating properly.

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

If the doors cannot be locked/unlocked using the smart entry & start system, lock/unlock the doors by performing any of the following:

- Bring the electronic key close to either front door handle and operate the entry function.
- Operate the wireless remote control.

If the doors cannot be locked/unlocked using the above methods, use the mechanical key. (→P.389)

If the hybrid system cannot be started using the smart entry & start system, refer to P.389.

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 center of the rear bumper when the trunk is opened.
  - The electronic key is on the instrument panel, rear package tray or floor, or in the door pockets or glove box when the hybrid system is started or power switch modes are changed.
  - The electronic key is obstructed by a person's body between it and the vehicle when the doors are unlocked.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to unlock the vehicle.
- Even if the electronic key is not inside the vehicle, it may be possible to start the hybrid system if the electronic key is near the window.
- The doors may unlock or lock if a large amount of water splashes on the door handle, such as in the rain or in a car wash when the electronic key is within the effective range. (The doors will automatically be locked after approximately 30 seconds if the doors are not opened and closed.)
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- Touching the door lock or unlock sensor while wearing gloves may prevent lock or unlock operation.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.
- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:
  - Place the electronic key in a location 2 m (6 ft.) or more away from the vehicle. (Take care to ensure that the key is not stolen.)
  - Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P.116)
- If the electronic key is inside the vehicle and a door handle becomes wet during a car wash, a message may be shown on the multi-information display and a buzzer will sound outside the vehicle. To turn off the alarm, lock all the doors.
- The lock sensor may not work properly if it comes into contact with ice, snow, mud, etc. Clean the lock sensor and attempt to operate it again.
- A sudden handle operation or a handle operation immediately after entering the effective range may prevent the doors from being unlocked. Touch the door unlock sensor and check that the doors are unlocked before pulling the door handle again.

- If there is another electronic key in the detection area, it may take slightly longer to unlock the doors after the door handle is gripped.

■ When the vehicle is not driven for extended periods

- To prevent theft of the vehicle, do not leave the electronic key within 2 m (6 ft.) of the vehicle.
- The smart entry & start system can be deactivated in advance. (→P.410)
- Setting the electronic key to battery-saving mode helps to reduce key battery depletion. (→P.116)

■ To operate the system properly

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

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

- Do not leave the electronic key inside the trunk.
  The key confinement prevention function may not operate, depending on the location of the key (the inside edge of the trunk), conditions (inside a metal bag, close to metallic objects) and the radio waves in the surrounding area. (→P.114)

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

- Locking and unlocking the doors: →P.389
- Starting the hybrid system: →P.389

■ Customization

Some functions can be customized. (→P.410)

■ If the smart entry & start system has been deactivated in a customized setting

- Locking and unlocking the doors: Use the wireless remote control or mechanical key. (→P.107, 389)
- Starting the hybrid system and changing power switch modes: →P.389
- Stopping the hybrid system: →P.165

WARNING

■ Caution regarding interference with electronic devices

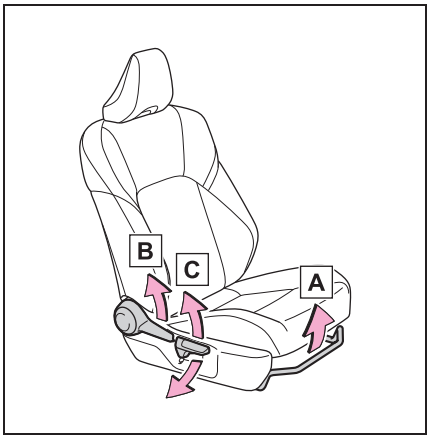
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the smart entry & start system antennas. (→P.114)
  The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Toyota dealer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.
- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
  Radio waves could have unexpected effects on the operation of such medical devices.

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

Front seats

Adjustment procedure

▶ Manual seat

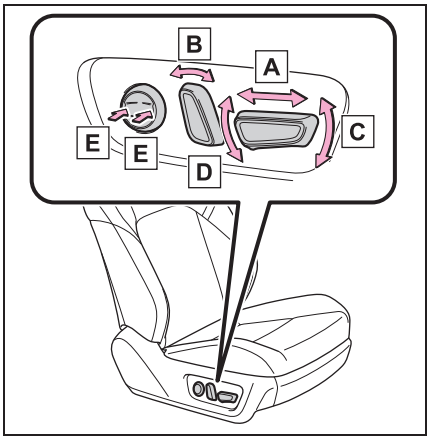


A Seat position adjustment lever

B Seatback angle adjustment lever

C Vertical height adjustment lever (driver's side only)

▶ Power seat



A Seat position adjustment switch

B Seatback angle adjustment switch

C Seat cushion (front) angle adjustment

D Vertical height adjustment switch

E Lumber support adjustment

■ Power easy access system (if equipped)

The driver's seat moves in accordance with power switch mode and the driver's seat belt condition. (→P.144)

■ Jam protection function (if equipped)

While the driving position is recalled or the power easy access system is operating, if an object is stuck behind the driver's seat, the driver's seat will stop and then slightly move forward. When the jam protection function operates, the seat stops at a position other than the set seat position. Check the seat position.

⚠ WARNING

■ When 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.
- Make sure to leave enough space around the feet so they do not get stuck.

■ Seat adjustment

- Be careful that the seat does not hit passengers or luggage.

WARNING

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

NOTICE

■ When adjusting a front seat

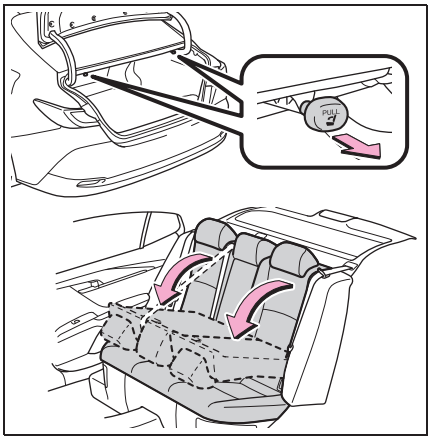
When adjusting a front seat, make sure that the head restraint does not contact the headliner. Otherwise, the head restraint and headliner may be damaged.

Rear seats

The seatbacks of the rear seats can be folded down.

Folding down the rear seatbacks

Pull the seatback lever in the trunk for the seatback you wish to fold down and then fold the seatback down.



WARNING

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

■ When folding the rear seatbacks down

- Do not fold the seatbacks down while driving.
- Stop the vehicle on level ground, set the parking brake and shift the shift lever to P.
- Do not allow anyone to sit on a folded seatback or in the trunk while driving.

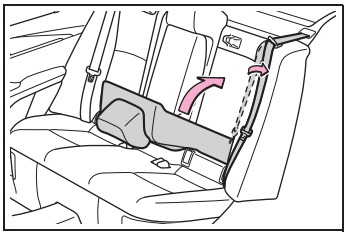
WARNING

- Do not allow children to enter the trunk.
- Be careful not to get your hand caught when folding the rear seatbacks.
- Adjust the position of the front seats before folding down the rear seatbacks so that the front seats do not interfere with the rear seatbacks when folding down the rear seatbacks.

■ After returning the rear seatback to the upright position

- Make sure that the seatback is securely locked in position by lightly pushing it back and forth.
- Check that the seat belts are not twisted or caught in the seatback.

If the seat belt gets caught between the seatback's securing hook and latch, it may damage the seat belt.



- Make sure that the seat belt is passed through its guide.

NOTICE

■ When the right seatback is folded down

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

Head restraints

Head restraints are provided for all seats.

WARNING

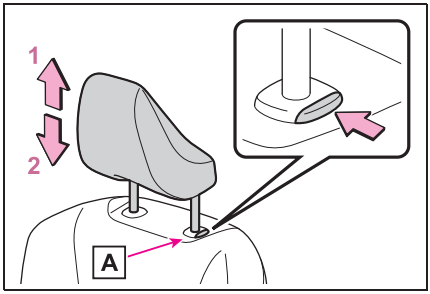
■ Head restraint precautions

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

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

Adjusting a head restraint

■ Front seats



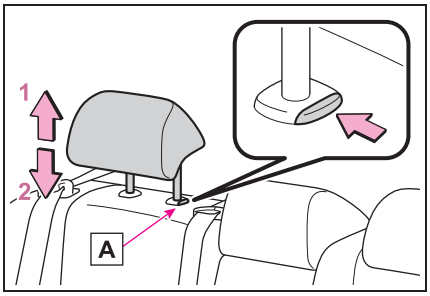
1 Up

Pull the head restraints up.

2 Down

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

■ Rear outside seats (adjustable type)



1 Up

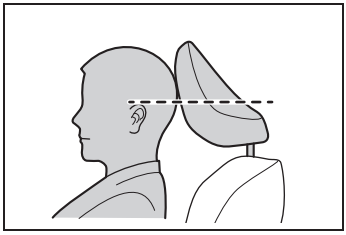
Pull the head restraints up.

2 Down

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

■ Adjusting the height of the head restraints

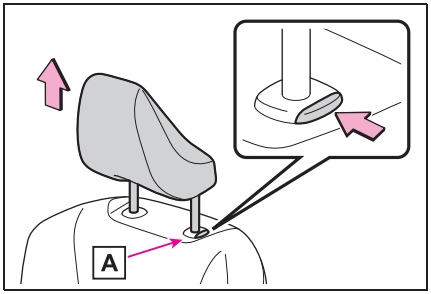
Make sure that the head restraints are adjusted so that the center of the head restraint is closest to the top of your ears.



Removing the head restraints

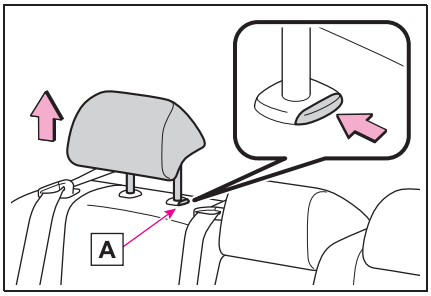
■ Front seats

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



■ Rear outside seats (adjustable type)

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

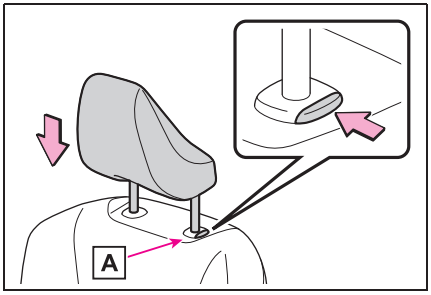


Installing the head restraints

■ Front seats

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

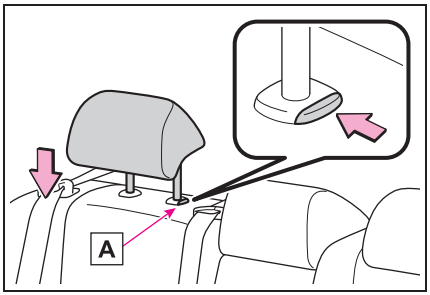
Press and hold the lock release button A when lowering the head restraint.



Rear outside seats (adjustable type)

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

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

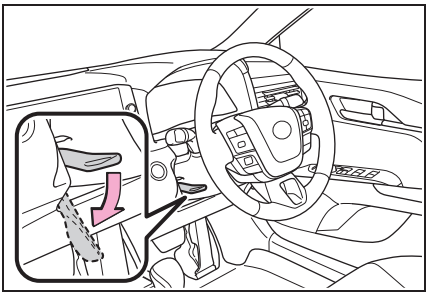


Steering wheel

Adjustment procedure

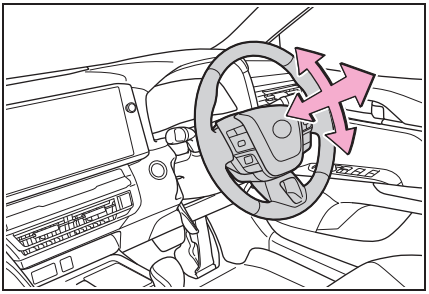
■ Manual adjustment type

1 Hold the steering wheel and push the lever down.



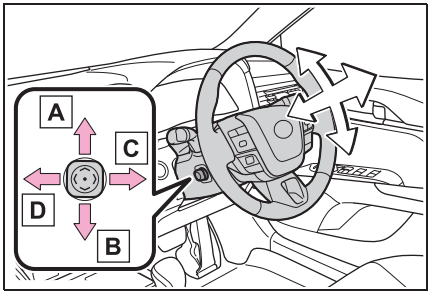
2 Adjust to the ideal position by moving the steering wheel horizontally and vertically.

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



■ Power adjustment type

Operating the switch moves the steering wheel in the following directions:



A Up

B Down

C Toward the driver

D Away from the driver

■ The steering wheel can be adjusted when (power adjustment type)

The power switch is in ACC or ON*.

*: If the driver's seat belt is fastened, the steering wheel can be adjusted regardless of power switch mode.

■ Automatic adjustment of the steering position (power adjustment type)

A desired steering position can be entered to memory and recalled automatically by the driving position memory system. (→P.144)

WARNING

■ Caution while driving

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

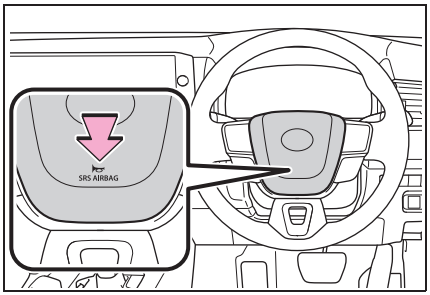
WARNING

■ After adjusting the steering wheel (manual adjustment type)

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. Also, the horn may not sound if the steering wheel is not securely locked.

Horn

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



Inside rear view mirror*

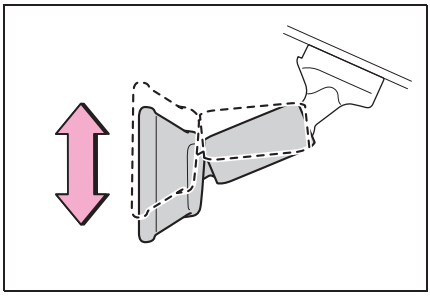
*: If equipped

The rear view mirror's position can be adjusted to enable sufficient confirmation of the rear view.

Adjusting the height of rear view mirror

The height of the rear view mirror can be adjusted to suit your driving posture.

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



WARNING

■ Caution while driving

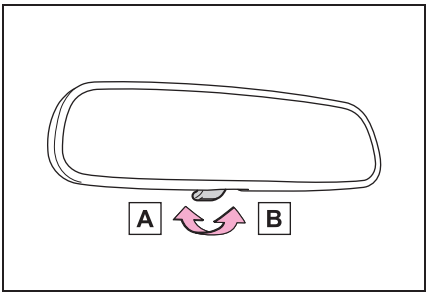
Do not adjust the position of the mirror while driving.
Doing so may lead to mishandling of the vehicle and cause an accident, resulting in death or serious injury.

Anti-glare function

▶ Manual anti-glare inside rear view mirror

Reflected light from the headlights of vehicles behind can be reduced

by operating the lever.



A Normal position

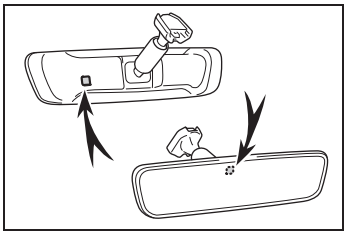
B Anti-glare position

▶ Auto anti-glare inside rear view mirror

Responding to the level of brightness of the headlights of vehicles behind, the reflected light is automatically reduced.

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

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



Digital Rear-view Mirror*

*: If equipped

The Digital Rear-view Mirror is a system that uses the camera on the rear of the vehicle and displays its image on the display of the Digital Rear-view Mirror.

The Digital Rear-view Mirror can be changed between optical mirror mode and digital mirror mode by operating the lever.

The Digital Rear-view Mirror allows the driver to see the rear view despite obstructions, such as the head restraints or luggage, ensuring rear visibility. Also, the rear seats are not displayed and privacy of the passengers is enhanced.

WARNING

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

■ Before using the Digital Rearview Mirror

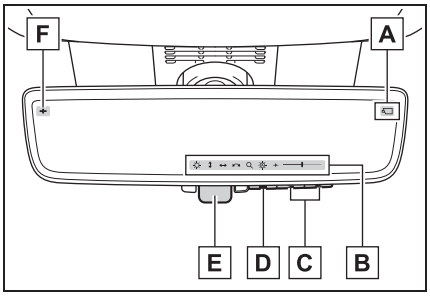
● Make sure to adjust the mirror before driving. (→P.128)

- Change to optical mirror mode and adjust the position of the Digital Rear-view Mirror so that the area behind your vehicle can be viewed properly.
- Change to digital mirror mode and adjust the display settings.

WARNING

- As the range of the image displayed by the Digital Rear-view Mirror is different from that of the optical mirror, make sure to check this difference before driving.

System components



A Camera indicator

Indicates that the camera is operating normally.

B Icon display area

Displays icons, adjusting gauge, etc. (→P.128)

C Select/adjust button

Press to change the setting of the item you want to adjust.

D Menu button

Press to display the icon display area and select the item you want to adjust.

E Lever

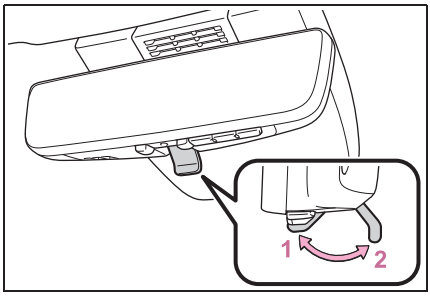
Operate to change between digital mirror mode and optical mirror mode.

F Digital anti-glare mode indicator

In digital mirror mode, this indicates that the anti-glare function is on. (→P.128)

Changing modes

Operate the lever to change between digital mirror mode and optical mirror mode.



1 Digital mirror mode

Displays an image of the area behind the vehicle.

will illuminate in this mode.

2 Optical mirror mode

Turns off the display of the Digital Rear-view Mirror allows it to be used as an optical mirror.

Digital mirror mode operating condition

The power switch is turned to ON.

When the power switch is changed from ON to OFF or ACC, the image will disappear after several seconds.

When using the Digital Rearview Mirror in digital mirror mode

- If it is difficult to see the Digital Rear-view Mirror image because water, snow, mud, etc. is stuck to the camera lens, operate the rear window washer (→P.185) or change to optical mirror mode.
- When the trunk is open, the Digital Rear-view Mirror image may not display properly. Before driving, make sure the trunk is closed.
- If the display is difficult to see due to

reflected light, close the electronic sunshade for the panoramic moon roof.

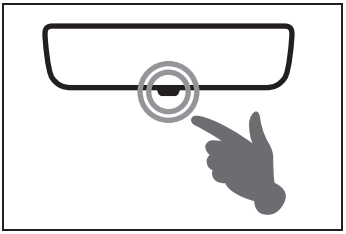
- Any of the following conditions may occur when driving in the dark, such as at night. None of them indicates that a malfunction has occurred.
  - Colors of objects in the displayed image may differ from their actual color.
  - Depending on the height of the lights of the vehicle behind, the area around the vehicle may appear white and blurry.
  - Automatic image adjustment for brighter surrounding image may cause flickering.

If it is difficult to see the displayed image or flickering bothers you, change to optical mirror mode.

- The Digital Rear-view Mirror may become hot while it is in digital mirror mode. This is not a malfunction.
- Depending on your physical condition or age, it may take longer than usual to focus on the displayed image. In this case, change to optical mirror mode.
- Do not let passengers stare at the displayed image when the vehicle is being driven, as doing so may cause motion sickness.

When the system malfunctions

If the symbol shown in the illustration is displayed when using the Digital Rear-view Mirror in digital mirror mode, the system may be malfunctioning. The symbol will disappear in a few seconds. Operate the lever, change to optical mirror mode and have the vehicle inspected by your Toyota dealer.

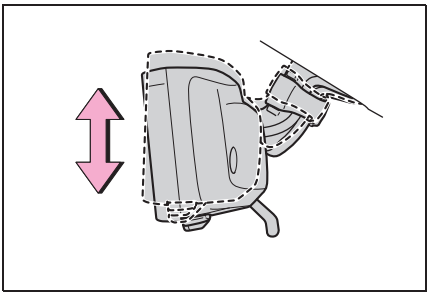


Adjusting the mirror

Adjusting the mirror height

The height of the rear view mirror can be adjusted to suit your driving posture.

Change to optical mirror mode, adjusting the height of the rear view mirror by moving it up and down.

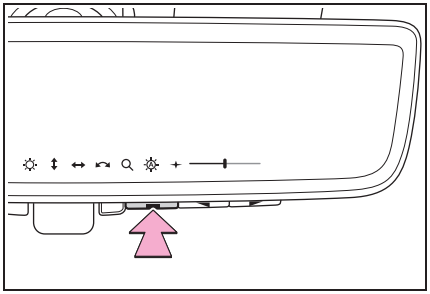


Display settings (digital mirror mode)

Settings of the display in the digital mirror mode, on/off operation of the automatic anti-glare function, etc. can be changed.

1 Press the menu button.

The icons will be displayed.



2 Press the menu button repeatedly and select the item you want to adjust.

3 Press ▭ or ▭ to change the setting.

The icons will disappear if a button is not operated for approximately 5 seconds or more.

Icons	Settings
	Select to adjust the brightness of the display.
	Select to adjust the area displayed up/down.
	Select to adjust the area displayed to the left/right.
	Select to adjust the angle of the displayed image.
	Select to zoom in/out the displayed image.
	Select to enable/disable the automatic anti-glare function.* Responding to the brightness of the headlights of vehicles behind, the reflected light is automatically adjusted. The automatic anti-glare function is enabled each time the power switch is changed to ON.
	The digital anti-glare mode can be turned on and off. When enabled, the brightness of the display is reduced at night to reduce headlight glare from vehicles to the rear.

*: This is a function for the optical mirror mode, however, the setting can also be changed while using the digital mirror mode.

■ Enabling/disabling the automatic anti-glare function (optical mirror mode)

The automatic anti-glare function in the optical mirror mode can be enabled/disabled. The setting can be changed in both the digital mirror mode and the optical mirror mode.

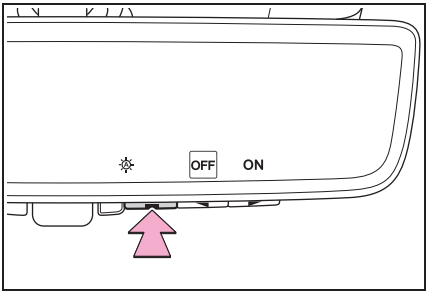
▶ When using the digital mirror mode

→P.128

▶ When using the optical mirror mode

1 Press the menu button.

The icons will be displayed.



2 Press ▭ or ▭ to enable (“ON”)/disable (“OFF”) the automatic anti-glare function.

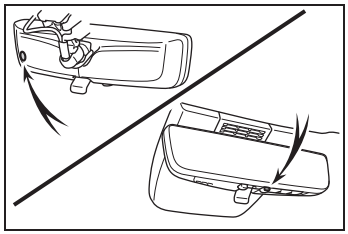
The icons will disappear if a button is not operated for approximately 5 seconds or more.

■ Adjusting the display (digital mirror mode)

- The icons will disappear if a button is not operated for approximately 5 seconds or more.
- If the displayed image is adjusted, it may appear distorted. This is not a malfunction.
- If the brightness of the Digital Rear-view Mirror is set too high, it may cause eye strain. Adjust the Digital Rear-view Mirror to an appropriate brightness. If your eyes become tired, change to optical mirror mode.
- The brightness of the Digital Rearview Mirror will change automatically according to the brightness of the area in front of your vehicle.
- The digital anti-glare mode operates only in locations where the surroundings are dark. Depending on the surrounding illumination environment, the image may not darken and it may not be possible to reduce headlight glare from vehicles to the rear.

■ To prevent the light sensors from malfunctioning

To prevent the light sensors from malfunctioning, do not touch or cover them.



WARNING

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

■ While driving

- Do not adjust the position of the Digital Rear-view Mirror or adjust the display settings while driving. Stop the vehicle and operate the Digital Rear-view Mirror control switches.
  Failure to do so may cause a steering wheel operation error, resulting in an unexpected accident.
- Always pay attention to the vehicle’s surroundings.

The size of the vehicles and other objects may look different when in digital mirror mode and optical mirror mode.
When backing up, make sure to directly check the safety of the area around your vehicle, especially behind the vehicle.
Additionally, if a vehicle approaches from the rear in the dark, such as at night, the surrounding area may appear dim.

WARNING

■ To prevent causes of fire

If the driver continues using the Digital Rear-view Mirror while smoke or odor comes from the mirror, it may result in fire. Stop using the system immediately and contact your Toyota dealer.

Cleaning the Digital Rear-view Mirror

■ Cleaning the mirror surface

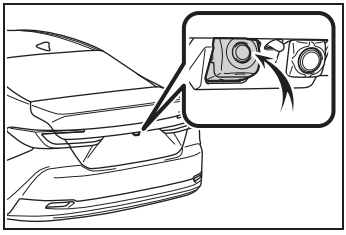
If the mirror surface is dirty, the image on the display may be difficult to see. Clean the mirror surface gently using a soft dry cloth.

■ Cleaning the camera

If it is difficult to see the Digital Rear-view Mirror image because water, snow, mud, etc. is stuck to the camera lens, operate the rear window washer or change to optical mirror mode. (→P.185)

■ The camera

The camera for the Digital Rearview Mirror is located as shown.



■ Cleaning the camera with washer fluid

- When cleaning the camera, it may be difficult to see the image due to the washer fluid. Therefore, take care in the surrounding area while driving.
- If washer fluid remains on the camera lens surface after cleaning, the image may be difficult to see at night due to the height or inclination of the headlights of the vehicle behind. In this case, change to optical mirror mode.
- Some dirts may not be removed completely after cleaning. In this case, rinse the camera lens with a large quantity of water and then wipe it clean with a soft cloth dampened with water.
- Washer fluid is sprayed onto the camera lens surface. Therefore, the ice, snow, etc. adhering around the camera cannot be removed.

NOTICE

■ To prevent the camera from malfunctioning

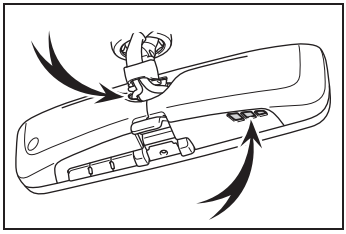
- Observe the following precautions, otherwise the Digital Rear-view Mirror may not operate properly.
  - Do not strike or hit the camera or subject it to a strong impact, as the camera installation position and angle may be changed.
  - Do not remove, disassemble or modify the camera.
  - When washing the camera, rinse it with a large quantity of water and then wipe it clean with a soft cloth dampened with water. Do not strongly rub the camera lens, as it may be scratched and will not be able to transmit a clear image.
  - Do not allow organic solvent, car wax, window cleaner or glass coat to adhere to the camera cover. If this happens, wipe it off as soon as possible.
  - Do not apply hot water to the camera in cold weather, as the sudden change of temperature may cause the camera to not operate properly.

NOTICE

- When using a high pressure washer to wash the vehicle, do not directly spray the camera and its surrounding area, as doing so may cause the camera to not operate properly.

- Do not subject the camera to a strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

- Do not block the vent holes of the mirror. Otherwise, the mirror may be hot, leading to a malfunction or a fire.



If you notice any symptoms

If you notice any of the following symptoms, refer to the following table for the likely cause and the solution.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The image is difficult to see.	The mirror surface is dirty.	Clean the mirror surface gently, using a soft dry cloth.
	Sunlight or headlights are shining directly into the Digital Rear-view Mirror.	Change to optical mirror mode. (If the light is coming through the panoramic moon roof, close the electronic sunshade.)
	• The vehicle is in a dark area. • The vehicle is near a TV tower, broadcasting station, electric power plant, or other location where strong radio waves or electrical noise may be present. • The temperature around the camera is extremely high/low. • The ambient temperature is extremely low. • It is raining or humid. • Sunlight or headlights are shining directly into the camera lens. • The vehicle is under fluorescent lights, sodium lights, mercury lights, etc. • Exhaust gas is obstructing the camera.	Change to optical mirror mode. (Change back to digital mirror mode when the conditions have improved.)
The image is difficult to see.	Foreign matters such as water droplets or dust is on the camera lens.	• Operate the dedicated camera cleaning washer and clean the camera lens. (→P.185) • Change to optical mirror mode.

Symptom	Likely cause	Solution
The image is out of alignment.	The trunk is not fully closed.	Fully close the trunk.
	The camera or its surrounding area has received a strong impact.	Change to optical mirror mode and have the vehicle inspected by your Toyota dealer.
The display is dim and  is displayed.	The system may be malfunctioning.	Change to optical mirror mode and have the vehicle inspected by your Toyota dealer.
 goes off.		
 is displayed.	The Digital Rear-view Mirror is extremely hot. (The display will gradually become more dim. If the temperature continues to increase, the Digital Rearview Mirror will turn off.)	Reducing the cabin temperature is recommended to reduce the temperature of the mirror. ( will disappear when the mirror becomes cool.) If  does not disappear even though the mirror is cool, have the vehicle inspected by your Toyota dealer.
The lever cannot be operated properly.	The lever may be malfunctioning.	Change to optical mirror mode and have the vehicle inspected by your Toyota dealer. (To change to optical mirror mode, press and hold the menu button for approximately 10 seconds.)

Outside rear view mirrors

The rear view mirror's position can be adjusted to enable sufficient confirmation of the rear view.

When using the outside rear view mirrors in a cold weather

When it is cold and the outside rear view mirrors are frozen, it may not be possible to fold/extend them or adjust the mirror surface. Remove the ice, snow, etc. covering the outside rear view mirrors.

WARNING

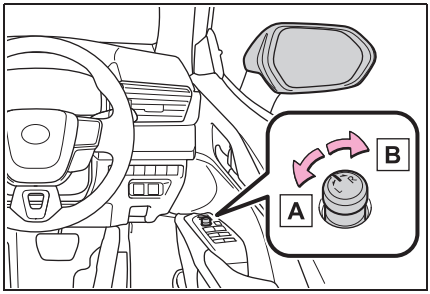
Important points while driving

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

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

Adjustment procedure

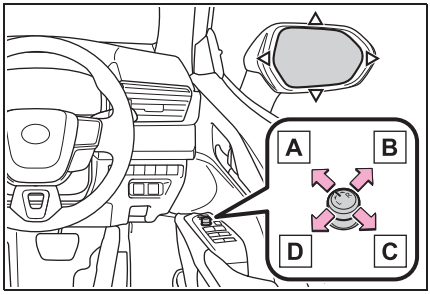
1 To select a mirror to adjust, turn the switch.



A Left

B Right

2 To adjust the mirror, operate the switch.



A Up

B Right

C Down

D Left

Mirror angle can be adjusted when

The power switch is in ACC or ON.

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

The outside rear view mirrors can be cleared using the mirror defoggers. Turn on the rear window defogger to turn on

the outside rear view mirror defoggers. (→P.289)

■ Automatic adjustment of the mirror angle (if equipped)

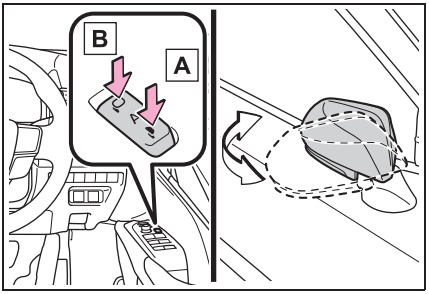
A desired mirror face angle can be entered to memory and recalled automatically by the driving position memory. (→P.144)

WARNING

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

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

Folding and extending the mirrors



A Folds the mirrors

B Extends the mirrors

Putting the outside rear view mirror folding switch in the neutral position sets the mirrors to automatic mode. Automatic mode allows the folding or extending of the mirrors to be linked to locking/unlocking of the doors.

■ Customization

Some functions can be customized. (→P.410)

WARNING

■ When a mirror is moving

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

Linked mirror function when reversing (if equipped)

When either “L” or “R” of the mirror select switch is selected, the outside rear view mirrors will automatically angle downwards when the vehicle is reversing in order to give a better view of the ground.

To disable this function, select neither “L” nor “R”.

■ Adjusting the mirror angle when the vehicle is reversing

With the shift lever in R, adjust the mirror angle at a desired position.

The adjusted angle will be memorized and the mirror will automatically tilt to the memorized angle whenever the shift lever is shifted to R from next time.

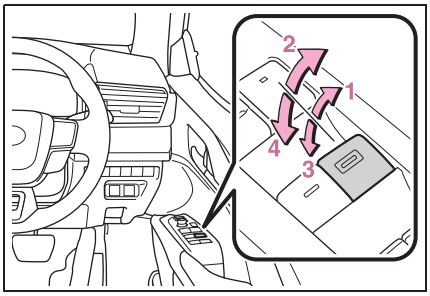
The memorized downward tilt position of the mirror is linked to the normal position (angle adjusted with the shift lever in other than R). Therefore, if the normal position is changed after adjustment, the tilt position will also change.

When the normal position is changed, readjust the angle in reversing.

Power windows

Opening and closing the power windows

The power windows can be opened and closed using the switches. Operating the switch moves the windows as follows:



1 Closing

2 One-touch closing*

3 Opening

4 One-touch opening*

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

■ The power windows can be operated when

The power switch is in ON.

■ Operating the power windows after turning the hybrid system off

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

■ Jam protection function

If an object becomes jammed between the window and the window frame while the window is closing, window movement is stopped and the window is opened slightly.

■ Catch protection function

If an object becomes caught between the door and window while the window is opening, window movement is stopped.

■ When the window cannot be opened or closed

When the jam protection function or catch protection function operates unusually and the door window cannot be opened or closed, perform the following operations with the power window switch of that door.

- Stop the vehicle. With the power switch in ON, within 4 seconds of the jam protection function or catch protection function activating, continuously operate the power window switch in the one-touch closing direction or one-touch opening direction so that the door window can be opened and closed.
- If the door window cannot be opened and closed even when performing the above operations, perform the following procedure for function initialization.

1. Turn the power switch to ON.
2. Pull and hold the power window switch in the one-touch closing direction and completely close the door window.
3. Release the power window switch for a moment, resume pulling the switch in the one-touch closing direction, and hold it there for approximately 6 seconds or more.
4. Press and hold the power window switch in the one-touch opening direction. After the door window is completely opened, continue holding the switch for an additional 1 second or more.
5. Release the power window switch for a moment, resume pushing the switch in the one-touch opening direction, and hold it there for approximately 4 seconds or more.
6. Pull and hold the power window switch in the one-touch closing

direction again. After the door window is completely closed, continue holding the switch for a further 1 second or more.

If you release the switch while the window is moving, start again from the beginning.
If the window reverses and cannot be fully closed or opened, have the vehicle inspected by your Toyota dealer.

Door lock linked window operation

- The power windows can be opened and closed using the mechanical key.* (→P.389)
- The power windows can be opened and closed using the wireless remote control.* (→P.107)
- The alarm may be triggered if the alarm is set and a power window is closed using the door lock linked power window operation function. (→P.67)

*: These settings must be customized at your Toyota dealer.

Power windows open warning buzzer

A buzzer sounds and a message is shown on the multi-information display in the instrument cluster when the power switch is turned off and the driver's door is opened with the power windows open.

Using the voice control system

The following operations can be performed using the voice control system:

- Opening/closing of all of the windows simultaneously
- Opening/closing of each window individually

(Operation is possible only when the window lock switch is off.)

For details, refer to the "Multimedia Owner's Manual".

Customization

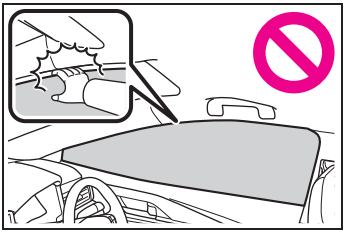
Some functions can be customized. (→P.410)

WARNING

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

Closing the windows

- The driver is responsible for all the power window operations, including the operation for the passengers. In order to prevent accidental operation, especially by a child, do not let a child operate the power windows. It is possible for children and other passengers to have body parts caught in the power window. Also, when riding with a child, it is recommended to use the window lock switch. (→P.139)
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window is being operated.



- When using the wireless remote control or mechanical key and operating the power windows, operate the power window after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window. Also do not let a child operate window by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the power window.

WARNING

- When exiting the vehicle, turn the power switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets jammed just before the window is fully closed. Be careful not to get any part of your body jammed in the window.

■ Catch protection function

- Never use any part of your body or clothing to intentionally activate the catch protection function.
- The catch protection function may not work if something gets caught just before the window is fully opened. Be careful not to get any part of your body or clothing caught in the window.

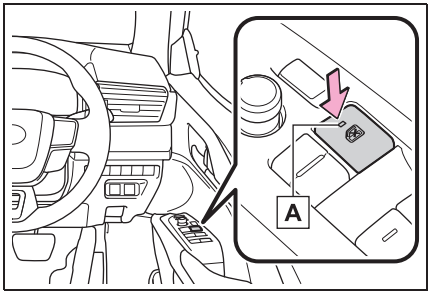
Preventing accidental operation (window lock switch)

This function can be used to prevent children from accidentally opening or closing a passenger window.

Press the switch.

The indicator A will come on and the passenger windows will be locked.

The passenger windows can still be opened and closed using the driver's switch even if the lock switch is on.



■ The power windows can be operated when

The power switch is in ON.

■ When the 12-volt battery is disconnected

The window lock switch is disabled. If necessary, press the window lock switch after reconnecting the 12-volt battery.

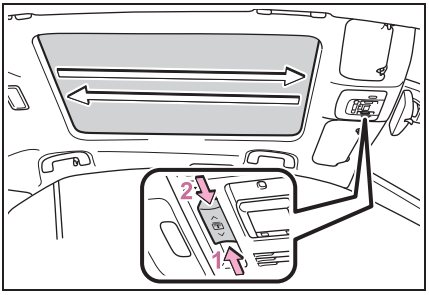
Panoramic moon roof*

*: If equipped

Use the overhead switches to operate the panoramic moon roof and electronic sunshade.

Operating the panoramic moon roof

■ Opening and closing the electronic sunshade



1 Opens the electronic sunshade*

2 Closes the electronic sunshade*

*: Quickly slide and release the sunshade switch in either direction to stop the electronic sunshade partway.

■ Tilting the panoramic moon roof up and down

Tilts the panoramic moon roof up (press)*

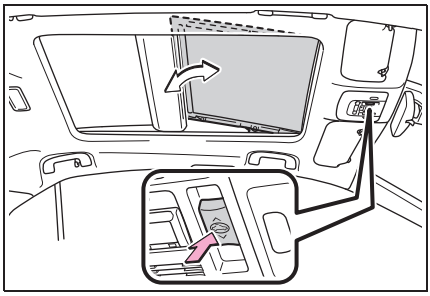
If the panoramic moon roof is open, pressing the switch closes it up to the tilt-up position.

When the panoramic moon roof is tilted up, the electronic sunshade will open to the half-open position of the roof.

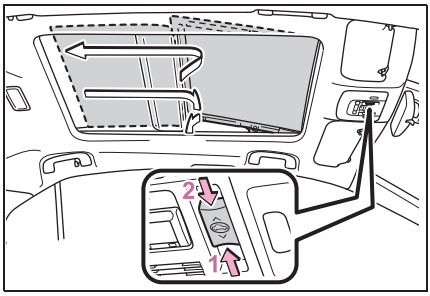
*: Lightly press the switch again to stop the panoramic moon roof partway.

Tilts the panoramic moon roof down (press and hold)

The panoramic moon roof can be tilted down only when it is in the tilt-up position.



■ Opening and closing the panoramic moon roof



1 Opens the panoramic moon roof*

The panoramic moon roof and electronic sunshade will open.

The panoramic moon roof can be opened from the tilt-up position.

2 Closes the panoramic moon roof*

*: Quickly slide and release the switch in either direction to stop the panoramic moon roof partway.

The panoramic moon roof can be operated when

The power switch is in ON.

Operating the panoramic moon roof after turning the hybrid system off

The panoramic moon roof and electronic sunshade can be operated for approximately 45 seconds after the power switch is turned to ACC or turned off. It cannot, however, be operated once either front door is opened.

Jam protection function

If an object is detected between the panoramic moon roof and the frame in the following situations, travel is stopped and the panoramic moon roof opens slightly:

- The panoramic moon roof is closing or tilting down.
- The electronic sunshade is closing.

Door lock linked panoramic moon roof operation

- The panoramic moon roof can be opened and closed using the mechanical key.* (→P.389)
- The panoramic moon roof can be opened using the wireless remote control.*(→P.107)
- The alarm may be triggered if the alarm is set and the panoramic moon roof is closed using the door lock linked panoramic moon roof operation function. (→P.67)

*: These settings may require customization at your Toyota dealer.

Closing the shade when the panoramic moon roof is open

Slide the shade switch forward.

The electronic sunshade will close to the half-open position and pause. The panoramic moon roof will then fully close. Then the electronic sunshade will fully close.

When the panoramic moon roof or electronic sunshade does not close normally

Perform the following procedure:

1. Stop the vehicle.
2. Turn the power switch to ON.
3. Slide and hold the panoramic moon roof switch or sunshade switch. Continue pressing the switch for approximately 10 seconds after the panoramic moon roof or electronic sunshade closes and reopens. The panoramic moon roof and electronic sunshade will start to close.*
4. Check that the panoramic moon roof and electronic sunshade are fully closed and release the switch.

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

If the panoramic moon roof or electronic sunshade does not fully close even after performing the above procedure correctly, have the vehicle inspected by your Toyota dealer.

Panoramic moon roof open warning buzzer

A buzzer sounds and a message is shown on the multi-information display when the power switch is turned off and the driver's door is opened with the panoramic moon roof open.

Using the voice control system

The panoramic moon roof can be opened/closed using the voice control system.

For details, refer to the "Multimedia Owner's Manual".

Customization

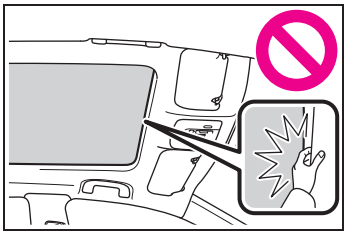
Some functions can be customized. (→P.410)

WARNING

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

■ Opening and closing the electronic sunshade

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



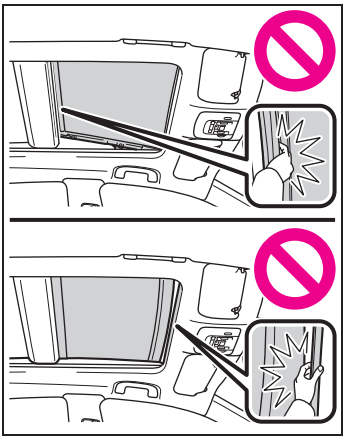
- Do not let a child operate the electronic sunshade. Closing the electronic sunshade on someone can cause death or serious injury.

■ Opening the panoramic moon roof

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

■ Opening and closing the panoramic moon roof

- The driver is responsible for panoramic moon roof opening and closing operations. In order to prevent accidental operation, especially by a child, do not let a child operate the panoramic moon roof. It is possible for children and other passengers to have body parts caught in the panoramic moon roof.
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the panoramic moon roof is being operated.



- When using the wireless remote control or mechanical key and operating the panoramic moon roof, operate the panoramic moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the panoramic moon roof. Also, do not let a child operate panoramic moon roof by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the panoramic moon roof.
- When exiting the vehicle, turn the power switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

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

WARNING

- The jam protection function may not work if something gets caught just before the panoramic moon roof or electronic sunshade is fully closed. Also, the jam protection function is not designed to operate while the switch is being pressed. Take care so that your fingers, etc. do not get caught.

■ To prevent burns or injuries

Do not touch the area between the underside of the panoramic moon roof and the electronic sunshade. Your hand may get caught and you could injure yourself. Also, if the vehicle is left in direct sunlight for a long time, the underside of the panoramic moon roof could become very hot and could cause burns.

NOTICE

■ To prevent damage to the panoramic moon roof

- Before opening the panoramic moon roof, make sure that there are no foreign objects, such as stones or ice, around the opening.
- Do not hit the surface or edge of the panoramic moon roof with hard objects.
- Do not continuously press the switch after the panoramic moon roof has been fully opened or closed.

■ After the vehicle has been washed or rained on

Before opening the panoramic moon roof, wipe any water off the panoramic moon roof. Otherwise, water may enter the cabin when the panoramic moon roof is opened.

Driving position memory*

*: If equipped

This feature automatically adjusts the driver's seat, steering wheel, outside rear view mirrors and head-up display (if equipped) to make entering and exiting the vehicle easier or to suit your preferences.

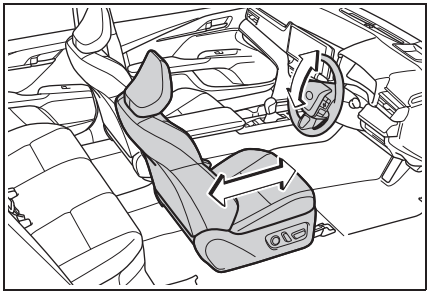
Up to 2 different driving positions can be recorded.

Each electronic key can be registered to recall your preferred driving position.

Power easy access system (driver's side only)

The seat and steering wheel are automatically adjusted to allow the driver to enter and exit the vehicle easily.

When all of the following have been performed, the seat and steering wheel are automatically adjusted to a position that allows driver to enter and exit the vehicle easily.



- The shift lever has been shifted to P.
- The power switch has been turned off.
- The driver's seat belt has been unfastened.

When any of the following has been performed, the seat and steering wheel automatically return to their original positions.

- The power switch has been turned to ACC or ON.
- The driver's seat belt has been fastened.

Operation of the power easy access system

When exiting the vehicle, the power easy access system may not operate if the seat is already close to the rearmost position, etc.

Jam protection function

While the power easy access system is operating, if an object is stuck behind the driver's seat, the driver's seat will stop and then slightly move forward. When the jam protection function operates, the seat stops at a position other than the set seat position. Check the seat position.

Customization

Some functions can be customized. (→P.410)

WARNING

While the power easy access system is operating and the steering wheel and seat is moving

Be careful not to get body parts or luggage caught. Failure to do so may cause an injury or damage to the luggage.

Recording a driving position into memory (driver's side only)

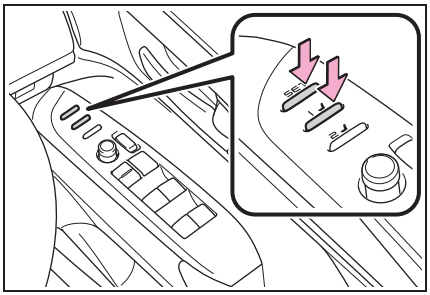
1 Check that the shift lever is in P.

2 Turn the power switch to ON.

3 Adjust the driver's seat, steering wheel, outside rear view mirrors and head-up display (if equipped) to the desired positions.

4 While pressing the "SET" button, or within 3 seconds after the "SET" button is pressed, press button "1" or "2" until the buzzer sounds.

If the selected button has already been preset, the previously recorded position will be overwritten.



Seat positions that can be memorized

The adjusted positions other than the position adjusted by lumbar support switch can be recorded.

In order to correctly use the driving position memory function

If a seat position is already in the furthest possible position and the seat is operated in the same direction, the recorded position may be slightly different when it is recalled.

WARNING

Seat adjustment caution

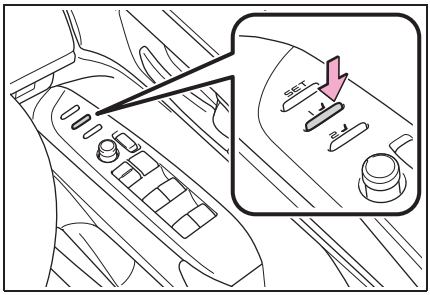
Take care during seat adjustment so that the seat does not strike the rear passenger or squeeze your body against the steering wheel.

Recalling a driving position (driver's side only)

1 Check that the shift lever is in P.

2 Turn the power switch to ON.

3 Press one of the buttons for the driving position you want to recall until the buzzer sounds.



To stop the position recall operation part-way through

Perform any of the following operations:

- Press the "SET" button.
- Press button "1" or "2".
- Operate any of the seat adjustment switches (only cancels seat position recall).
- Operate the tilt and telescopic steering control switch (only cancels steering wheel position recall).

Jam protection function

While the driving position is recalled or the power easy access system is operating, if an object is stuck behind the driver's seat, the driver's seat will stop and then slightly move forward. When

the jam protection function operates, the seat stops at a position other than the set seat position. Check the seat position.

■ Operating the driving position memory after turning the power switch off

Recorded seat positions can be activated up to 180 seconds after the driver's door is opened and another 60 seconds after it is closed again.

■ When the recorded seat position cannot be recalled

The seat position may not be recalled in some situations when the seat position is recorded in a certain range. For details, contact your Toyota dealer.

■ Using the voice control system*

*: If equipped

The following operations can be performed using the voice control system:

- Driving position registration
- Driving position recall (only when the shift lever is in P)

For details, refer to the "Multimedia Owner's Manual".

Registering/canceling/recall a driving position to an electronic key (memory recall function) (driver's side only)

■ Identifying a driver with the electronic key assigned and registered in My Settings

The driving positions can be automatically recalled for each registered driver by registering electronic key assignments in My Settings.

- Driving position registration procedure

When the shift lever is shifted to P after driving the vehicle, the current driving position will be recorded.

- Driving position recall procedure

1. Carry only the key that has been assigned and registered in My Settings, and then unlock and open the driver's door using the smart entry & start system or wireless remote control.

The driving position other than the steering wheel and head-up display (if equipped) will move to the recorded position. However, the seat will move to a position slightly behind the recorded position in order to make entering the vehicle easier.

If the driving position is in a position that has already been recorded, the driving position will not move.

2. Turn the power switch to ACC or ON.

The seat, steering wheel and head-up display (if equipped) (only when the power switch is in ON) will move to the recorded position.

- Memory recall function cancelation procedure

Initialize the driver registered settings in My Settings.

For information on initializing driver registered settings, refer to the "Multimedia Owner's Manual".

■ Identifying a driver with face information assigned and registered in My Settings

The driving positions can be automatically recalled for each registered driver by registering face information in the face authentication system and registering the face

information assignment in My Settings.

- Driving position registration procedure

When the shift lever is shifted to P after driving the vehicle, the current driving position will be recorded.

- Driving position recall procedure

Turn the power switch to ACC or ON.

After face authentication is performed successfully, the seat, steering wheel, outside rear view mirrors, and head-up display (if equipped) will move to the registered driving position (only when the power switch is turned on). They will not move if already in the registered driving position.

If the driving position is in a position that has already been recorded, the driving position will not move.

- Memory recall function cancelation procedure

Delete face information from the face authentication system.

For information on deleting face information, refer to the “Multimedia Owner’s Manual”.

Vehicles without the My Settings function

Each electronic key can be registered to automatically recall your preferred driving position.

- Driving position registration procedure

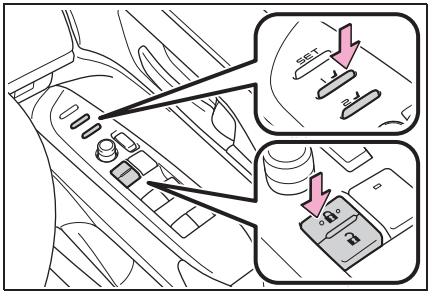
Record your driving position to button “1” or “2” before performing the following:

Carry only the key you want to register, and then close the driver’s door.

If 2 or more keys are in the vehicle, the driving position cannot be recorded properly.

1. Check that the shift lever is in P.
2. Turn the power switch to ON.
3. Recall the driving position that you want to record.
4. While pressing the recalled button, press and hold the door lock switch (either lock or unlock) until the buzzer sounds.

If the button could not be registered, the buzzer sounds continuously for approximately 3 seconds.



- Driving position recall procedure

1. Make sure that the doors are locked before recalling the driving position. Carry the electronic key that has been registered to the driving position, and then unlock and open the driver’s door using the smart entry & start system or wireless remote control.

The driving position will move to the recorded position (not including the head-up display [if equipped]). However, the seat will move to a position slightly behind the recorded position in

order to make entering the vehicle easier.

If the driving position is in a position that has already been recorded, the seat, steering wheel and outside rear view mirrors will not move.

2 Turn the power switch to ON.

The head-up display (if equipped) will move to the recorded position.

- Memory recall function cancelation procedure

Carry only the key you want to cancel and then close the driver's door.

If 2 or more keys are in the vehicle, the driving position cannot be canceled properly.

1 Turn the power switch to ON.

2 While pressing the "SET" button, press and hold the door lock switch (either lock or unlock) until the buzzer sounds twice.

If the button could not be canceled, the buzzer sounds continuously for approximately 3 seconds.

■ Recalling the driving position using the memory recall function (vehicles with the My setting)

Different driving positions can be registered for each electronic key. Therefore, the driving position that is recalled may be different depending on the key being carried.

■ Recalling the driving position using the memory recall function (vehicles without the My setting)

- Different driving positions can be registered for each electronic key. Therefore, the driving position that is recalled may be different depending on the key being carried.
- If a door other than the driver's door is unlocked with the smart entry & start system, the driving position cannot be recalled. In this case, press the driving position button which has been set.

■ Jam protection function

While the driving position is recalled, if an object is stuck behind the driver's seat, the driver's seat will stop and then slightly move forward. When the jam protection function operates, the seat stops at a position other than the set seat position. Check the seat position.

■ Customization

Some functions can be customized. (→P.410)

My Settings*

*: If equipped

By identifying an individual through a device, such as an electronic key, the driving position and vehicle settings recorded for that driver can be recalled when the vehicle is entered.

By assigning an authentication device to a driver in advance, the driver can enter the vehicle with their preferred settings.

Settings for 3 drivers can be stored in My Settings.

For information on authentication devices registration/deletion, changing the driver's name, initializing driver registered settings, manually switching drivers and deleting drivers registration refer to the "Multimedia Owner's Manual".

Types of assigned authentication devices

An individual can be identified using the following authentication devices.

- Electronic key

An individual is identified when the smart entry & start system detects their electronic key. (→P.114)

- Face authentication system*

An individual is identified at the opening/closing of the door when face information registered using the driver monitor camera is identified. (→P.199)

Individual identification by face authentication is prioritized than by electronic key, if the latter has identified with another registered driver.

- Bluetooth® device

An individual is identified when a Bluetooth® device is connected to the audio system. For information on how to connect Bluetooth® devices, refer to the "Multimedia Owner's Manual". When an individual is identified with an electronic key identifying using a Bluetooth® device is not performed.

*: If equipped

Recalled functions

When an individual is identified from an authentication device, settings for the following functions are recalled.

- Driving position (memory recall function)*1

After an individual is identified, the driving position that was set when driving was last completed (with shift position set to P) is recalled when the following operation is performed.

- When an individual is identified from an electronic key: Unlocking the doors using the smart entry & start system or wireless remote control
- When an individual is identified from the face authentication system*1: After the driver monitor identifies face information, turning the power switch to ACC or ON.

- Meter displays[*2], head-up display[*1, 2], and multimedia display[*2]

When an individual is identified, the display settings used when the power switch was last turned off are recalled.

- Safe driving support function[*2]

When an individual is identified, the vehicle settings used when the power switch was last turned off are recalled.

- Vehicle settings that can be set using the audio system[*2]

When an individual is identified, the vehicle settings used when the power switch was last turned off are recalled.

[*1]: If equipped

[*2]: Some settings are excluded

Driving the vehicle

The following procedures should be observed to ensure safe driving:

Driving procedure

■ **Starting the hybrid system**

→P.164

■ **Driving**

1 With the brake pedal depressed, shift the shift lever to D. (→P.170)

2 Release the parking brake. (→P.175)

If the parking brake is in automatic mode, the parking brake will be released automatically. (→P.175)

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

■ **Stopping**

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

2 If necessary, set the parking brake. (→P.175)

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P. (→P.170)

■ **Parking the vehicle**

1 With the shift lever in D, depress the brake pedal to stop the vehicle completely.

2 Set the parking brake. (→P.175)

Make sure the parking brake indicator light is on.

Do not press the shift release button after shifting the shift position to P.

3 Shift the shift lever to P. (→P.170)

4 Press the power switch to stop the hybrid system.

5 Slowly release the brake pedal.

6 Lock the door, making sure that you have the electronic key on your person.

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

■ **Starting off on a steep uphill**

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

2 Gently depress the accelerator pedal.

3 Release the parking brake.

■ **When starting off on a uphill**

The hill-start assist control will activate. (→P.277)

■ **For fuel-efficient driving**

Keep in mind that hybrid electric vehicles are similar to conventional vehicles, and it is necessary to refrain from activities such as sudden acceleration. (→P.282)

■ **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.

Restraining the hybrid system output (Brake Override System)

- When the accelerator and brake pedals are depressed at the same time, the hybrid system output may be restrained.
- A warning message is displayed on the multi-information display while the system is operating.

ECO Accelerator Guidance (→P.84, 93)

Eco-friendly driving may be achieved more easily by staying within the reference operation range. Also, by staying within the reference operation range, it will be easier to obtain a good Eco score.

- When starting off:

Gradually depress the accelerator pedal to stay within the reference operation range and accelerate to the desired speed. By refraining from excessive acceleration, a good eco start score will be obtained.

- When driving:

After accelerating to the desired speed, release the accelerator pedal and drive at a stable speed while staying within the reference operation range. By staying within the reference operation range, a good eco cruise score will be obtained.

- When stopping:

By starting to release the accelerator pedal early before decelerating, a good eco stop score will be obtained.

Breaking in your new Toyota

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

- For the first 300 km (186 miles):

Avoid sudden stops.

- For the first 800 km (500 miles):

Do not tow a trailer.

- For the first 1000 km (621 miles):
  - Do not drive at extremely high speeds.
  - Avoid sudden acceleration.
  - Do not drive 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.403)

Eco-friendly driving

→P.75, 80, 99

WARNING

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

When starting the vehicle

Always keep your foot on the brake pedal while stopped with the “READY” indicator is illuminated. 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.
- When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
- Make sure to keep a correct driving posture even when moving the vehicle only slightly. This allows you to depress the brake and accelerator pedals properly.

WARNING

- Depress the brake pedal using your right foot. Depressing the brake pedal using your left foot may delay response in an emergency, resulting in an accident.

- The driver should pay extra attention to pedestrians when the vehicle is powered only by the electric motor (traction motor). As there is no engine noise, the pedestrians may misjudge the vehicle's movement.

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

- During normal driving, do not turn off the hybrid system. Turning the hybrid system off while driving will not cause loss of steering or braking control, however, power assist to the steering will be lost. This will make it more difficult to steer smoothly, so you should pull over and stop the vehicle as soon as it is safe to do so.
  In the event of an emergency, such as if it becomes impossible to stop the vehicle in the normal way:
  →P.352

- 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.170)

- Do not adjust the positions 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.

- Always check that all passengers' arms, heads or other parts of their body are not outside the vehicle.

■ When driving on slippery road surfaces

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle.

- Sudden acceleration, engine braking due to shifting, or changes in engine speed could cause the vehicle to skid.

- 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.

■ When shifting the shift lever

- Do not let the vehicle roll backward while a forward driving position is selected, or roll forward while the shift lever is in R.
  Doing so may result in an accident or damage to the vehicle.

- Do not shift the shift lever to P while the vehicle is moving.
  Doing so can damage the transmission and may result in a loss of vehicle control.

- Do not shift the shift lever to R while the vehicle is moving forward.
  Doing so can damage the transmission and may result in a loss of vehicle control.

- Do not shift the shift lever to a driving position while the vehicle is moving backward.
  Doing so can damage the transmission and may result in a loss of vehicle control.

WARNING

- Moving the shift lever to N while the vehicle is moving will disengage the hybrid system. Engine braking is not available with the hybrid system disengaged.
- Be careful not to shift the shift lever with the accelerator pedal depressed. Shifting the shift lever to any positions other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

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

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

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

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

■ When the vehicle is stopped

- Do not depress the accelerator pedal unnecessarily.
  If the shift lever is in any position other than P or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.
- In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while stopped with the “READY” indicator is illuminated, and apply the parking brake as necessary.
- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.
- Avoid revving or racing the engine. Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

■ When the vehicle is parked

- Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun.
  Doing so may result in the following:
  - Gas may leak from a cigarette lighter or spray can, and may lead to a fire.
  - The temperature inside the vehicle may cause the plastic lenses and plastic material of glasses to deform or crack.
  - Soft drink cans may fracture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle’s electrical components.
- Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a place such as the glove box or on the floor, it may be lit accidentally when luggage is loaded or the seat is adjusted, causing a fire.
- Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle.

WARNING

- Do not leave a door or window open if the curved glass is coated with a metallized film such as a silver-colored one. Reflected sunlight may cause the glass to act as a lens, causing a fire.
- Always apply the parking brake, shift the shift lever to P, stop the hybrid system and lock the vehicle. Do not leave the vehicle unattended while the “READY” indicator is illuminated.
  If the vehicle is parked with the shift lever in P but the parking brake is not set, the vehicle may start to move, possibly leading to an accident.
- Do not touch the exhaust pipes while the “READY” indicator is illuminated or immediately after turning the hybrid system off.
  Doing so may cause burns.

■ When taking a nap in the vehicle

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

■ When braking

- When the brakes are wet, drive more cautiously.
  Braking distance increases when the brakes are wet, and this may cause one side of the vehicle to brake differently than the other side. Also, the parking brake may not securely hold the vehicle.
- If the electronically controlled brake system does not operate, do not follow other vehicles closely and avoid hills or sharp turns that require braking.
  In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase. Have your brakes fixed immediately.
- The brake system consists of 2 or more individual hydraulic systems; if one of the systems fails, the other(s) will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase. Have your brakes fixed immediately.

■ If the vehicle becomes stuck

Do not spin the wheels excessively when any of the tires is up in the air, or the vehicle is stuck in sand, mud, etc. This may damage the driveline components or propel the vehicle forward or backward, causing an accident.

NOTICE

■ When driving the vehicle

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

■ When parking the vehicle

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

NOTICE

■ **Avoiding damage to vehicle parts**

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

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

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

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

Information on what to do in case of a flat tire (→P.379)

■ **When encountering flooded roads**

Do not drive on roads which have become flooded due to heavy rain etc. Doing so may cause serious damage to the vehicle, such as the following:

- 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 oil and fluid used for the engine, hybrid transmission, etc.
- Lubricant condition for the bearings and suspension joints (where possible), and the function of all joints, bearings, etc.

Sudden start restraint control (Drive-Start Control [DSC])

When the following unusual operation is performed with the accelerator pedal depressed, the hybrid system output may be restrained.

- When the shift lever is shifted to R*.
- When the shift lever is shifted from P or R to forward drive shift positon such as D*.

When the system operates, a message appears on the multi-information display. Read the message and follow the instruction.

*: Depending on the situation, the shift position may not be changed.

■ **Drive-Start Control (DSC)**

When the TRC is turned off (→P.278), sudden start restraint control also does not operate. If your vehicle have trouble escaping from the mud or fresh snow due to sudden start restraint control operation, deactivate TRC (→P.278) so that the vehicle may become able to escape from the mud or fresh snow.

Cargo and luggage

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

⚠ WARNING

■ 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

Observe the following precautions. Failure to do so may prevent the pedals from being depressed properly, may block the driver's vision, or may result in items hitting the driver or passengers, possibly causing an accident.

- Stow cargo and luggage in the trunk whenever possible.
- To prevent cargo and luggage from sliding forward during braking, do not stack anything in the enlarged trunk. Keep cargo and luggage low, as close to the floor as possible.
- When you fold down the rear seats, long items should not be placed directly behind the front seats.
- Do not place cargo or luggage in or on the following locations.
  - At the feet of the driver
  - On the front passenger or rear seats (when stacking items)
  - On the package tray
  - On the instrument panel
  - On the dashboard
- Secure all items in the occupant compartment.
- Never allow anyone to ride in the enlarged trunk. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened.

■ Load and distribution

- Do not overload your vehicle.
- Do not apply loads unevenly. Improper loading may cause deterioration of steering or braking control which may cause death or serious injury.

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, Toyota recommends the 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

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 2100 kg (4630 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:

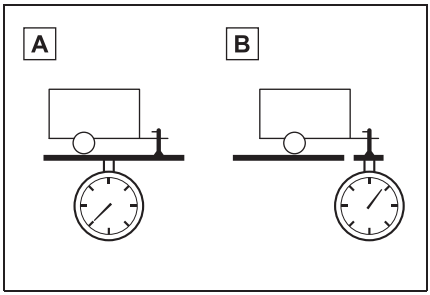
Front: 1130 kg (2491 lb.)

Rear: 1100 kg (2425 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 40 kg (88 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.



A Total trailer weight

B Tongue load

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.

For vehicles where the towing device blocks any of the lights or license plate, the following shall be observed:

- Do not use towing devices that cannot be easily removed or repositioned.
- Towing devices must be removed or repositioned when not in use.

Connecting trailer lights

Please consult your dealer when installing trailer lights, as incorrect installation may cause damage to the vehicle's lights. Please take care to comply with your state's laws when installing trailer lights.

Before towing

Check that the following conditions are met:

- The vehicle's tires are properly inflated. (→P.403)
- Trailer tires are inflated according to the trailer manufacturer's recommendation.
- All trailer lights work.
- All lights work each time you connect them.
- The trailer ball is set up at the proper height for the coupler on the trailer.
- The trailer is level when it is hitched. Do not drive if the trailer is not level, and check for improper tongue weight, overloading, worn suspension, or other possible causes.
- The trailer cargo is securely loaded.
- The rear view mirrors conform to all applicable federal, state/provincial or local regulations. If they do not, install rear view mirrors appropriate for towing purposes.

When towing a trailer

Disable the following systems, as the systems may not operate properly.

- LTA (Lane Tracing Assist) (→P.212)
- LDA (Lane Departure Alert) (→P.216)
- Dynamic radar cruise control (→P.223)
- Cruise control (→P.234)
- BSM (Blind Spot Monitor) (→P.240)
- Toyota parking assist-sensor (→P.250)
- RCTA (Rear Cross Traffic Alert) function (→P.256)
- RCD (Rear Camera Detection) function (→P.261)
- PKSB (Parking Support Brake) (→P.265)

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.

WARNING

■ To avoid accident or injury

- The total trailer weight (trailer weight plus the weight of cargo) must not exceed 400 kg (882 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.
- Do not tow a trailer when the temporary spare tire is installed on your vehicle.

■ Hitches

- Use only a hitch that conforms to the total trailer weight requirement.
- Follow the directions supplied by the hitch manufacturer.
- Depending on the type of trailer coupler you use, the trailer ball may need to be coated with grease. If so, apply grease to the trailer ball in accordance with the instructions of the manufacturer of the trailer coupler.
- Remove the trailer ball whenever you are not towing a trailer. Remove the trailer hitch if you do not need it. After removing the hitch, seal any mounting holes in the vehicle body to prevent entry of any substances into the vehicle.

■ When towing a trailer

- 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 a risk of the trailer wandering into another lane.

■ When the maximum permissible axle capacity is exceeded

Failing to observe this precaution may lead to an accident causing death or serious injury.

- Add an additional 20.0 kPa (0.2 kgf/cm2 or bar, 3 psi) to the recommended tire inflation pressure value. (→P.407)
- Do not exceed the established speed limit for towing a trailer in built-up areas or 100 km/h (62 mph), whichever is lower.

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 federaland state/provincial regulations.

■ Do not directly splice trailer lights

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

Trailer towing tips

Your vehicle will handle differently when towing a trailer. In order to avoid accident, death or serious injury, keep the following in mind when towing:

- Before starting out, check the trailer lights and the vehicle-trailer connections. Recheck after driving a short distance.
- Practice turning, stopping and reversing with the trailer attached in an area away from traffic until you become accustomed to the feel of the vehicle.
- 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-tovehicle 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.
- Due to the added load of the trailer, your vehicle's engine may overheat on hot days (at temper-

atures 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.396)

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

1. Apply the brakes and keep them applied.
2. Have someone place wheel blocks under both the vehicle and trailer wheels.
3. When the wheel blocks are in place, release the brakes slowly until the blocks absorb the load.
4. Apply the parking brake.
5. Shift into P and turn off the hybrid system.

- When restarting after parking on a slope:

1. With the transmission in the P, start the hybrid system. Be sure to keep the brake pedal depressed.
2. Shift into a forward gear. If reversing, shift into R.
3. If the parking brake is in manual mode, release the parking brake. (→P.175)
4. Release the brake pedal, and slowly pull or back away from the wheel blocks. Stop and apply the brakes.
5. Have someone retrieve the blocks.

WARNING

■ 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 while descending steep or long downhill grades.
- 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.

Power (ignition) switch

Performing the following operations when carrying the electronic key on your person starts the hybrid system or changes power switch modes.

Starting the hybrid system

1 Check that the parking brake is set. (→P.175)

2 Check that the shift lever is in P.

3 Firmly depress the brake pedal.

and a message will be displayed on the multi-information display. If it is not displayed, the hybrid system cannot be started.

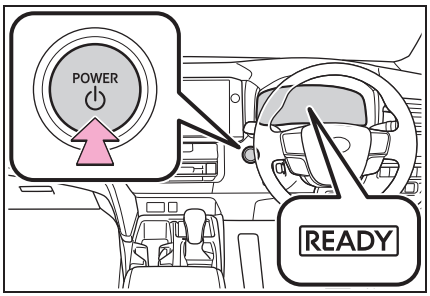
4 Press the power switch shortly and firmly.

When operating the power switch, one short, firm press is enough. It is not necessary to press and hold the switch.

If the “READY” indicator turns on, the hybrid system will operate normally.

Continue depressing the brake pedal until the “READY” indicator is illuminated.

The hybrid system can be started from any power switch mode.



5 Check that the “READY” indicator is illuminated.

The vehicle cannot be driven if the “READY” indicator is off.

■ Power switch illumination

According to the situation, the power switch illumination operates as follows.

- When driver’s door or front passenger’s door is opened, the power switch illumination illuminates.
- When the power switch is in OFF and depressing the brake pedal with carrying the electronic key on your person, the power switch illumination blinks.
- When the power switch is in ACC or ON, the power switch illumination illuminates.
- When the power switch mode is changed from ACC or ON to OFF, the power switch illumination illuminates for a certain amount of time. Afterwards, the power switch illumination turns off.

■ If the hybrid system does not start

- The immobilizer system may not have been deactivated. (→P.66) Contact your Toyota dealer.
- If a message related to start-up is shown on the multi-information display, read the message and follow the instructions.
- If the door is unlocked with the mechanical key, the hybrid system cannot be started using the smart entry & start system. Refer to P.389to start the hybrid system. However, if the electronic key is carried inside the vehicle and the doors are locked (→P.110), the hybrid system can be started.

■ When the ambient temperature is low, such as during winter driving conditions

- When starting the hybrid system, the flashing time of the “READY” indicator may be long. Leave the vehicle as it is

until the “READY” indicator is steady on, as steady means the vehicle is able to move.

- When the hybrid battery (traction battery) is extremely cold (below approximately -30°C [-22°F]) under the influence of the outside temperature, it may not be possible to start the hybrid system. In this case, try to start the hybrid system again after the temperature of the hybrid battery increases due to the outside temperature increase etc.

■ Sounds and vibrations specific to a hybrid electric vehicle

→P.60

■ If the 12-volt battery is discharged

The hybrid system cannot be started using the smart entry & start system. Refer to P.390to restart the hybrid system.

■ Electronic key battery depletion

→P.342

■ Conditions affecting operation

→P.116

■ Notes for the entry function

→P.117

■ When “Smart Entry & Start System Malfunction See Owner's Manual” is displayed on the multi-information display

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

■ If the “READY” indicator does not come on

In the event that the “READY” indicator does not come on even after performing the proper procedures for starting the vehicle, contact your Toyota dealer immediately.

■ If the hybrid system is malfunctioning

→P.64

■ Electronic key battery

→P.342

■ Operation of the power switch

- If the switch is not pressed shortly and firmly, the power switch mode may not change or the hybrid system may not start.
- If attempting to restart the hybrid system immediately after turning the power switch off, the hybrid system may not start in some cases. After turning the power switch off, please wait a few seconds before restarting the hybrid system.

■ Customization

If the smart entry & start system has been deactivated in a customized setting, refer to P.388.

WARNING

■ When starting the hybrid system

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

NOTICE

■ When starting the hybrid system

If the hybrid system becomes difficult to start, have your vehicle checked by your Toyota dealer immediately.

■ Symptoms indicating a malfunction with the power switch

If the power switch seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact your Toyota dealer immediately.

Stopping the hybrid system

1 Stop the vehicle completely.

2 Set the parking brake (→P.175), and shift the shift lever to P.

Do not press the shift release button after shifting the shift position to P.

3 Press the power switch.

The hybrid system will stop, and the meter display will be extinguished.

4 Release the brake pedal and check that “ACCESSORY” or “POWER ON” is not shown on the multi-information display.

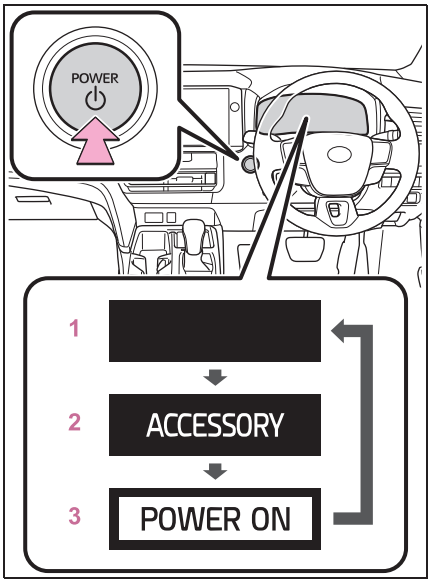
WARNING

■ Stopping the hybrid system in an emergency

- If you want to stop the hybrid system in an emergency while driving the vehicle, press and hold the power switch for more than 2 seconds, or press it briefly 3 times or more in succession. (→P.352) However, do not touch the power switch while driving except in an emergency. Turning the hybrid system off while driving will not cause loss of steering or braking control, however, power assist to the steering will be lost. This will make it more difficult to steer smoothly, so you should pull over and stop the vehicle as soon as it is safe to do so.
- If the power switch is operated while the vehicle is running, a warning message will be shown on the multi-information display and a buzzer sounds.
- To restart the hybrid system after performing an emergency shutdown, shift the shift lever to N and then press the power switch.

Changing power switch modes

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



1 OFF*1

The emergency flashers can be used.

2 ACC*2

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

“ACCESSORY” will be displayed on the multi-information display.

3 ON

All electrical components can be used.

“POWER ON” will be displayed on the multi-information display.

*1: If the shift lever is in a position other than P or the shift release button is pressed when turning off the hybrid system, the power switch will be

remained to ON, not to off.

*2: ACC mode can be enabled/disabled on the customize menu. (→P.410)

■ **When ACC customization is in off**

- With the power switch turned off, the multimedia system can still be used for a certain time until the battery saving function starts operating.
- When the safe exit assist is operating, a buzzer will sound and a voice guidance will be given.

■ **Auto power off function**

- If the vehicle is left in ACC or ON (the hybrid system is not operating) for more than 20 minutes with the shift lever is in P or the shift release button is not pressed, the power switch will automatically turn to OFF.
- If the 12-volt battery is low with the shift lever is in P or the shift release button is not pressed, and the power switch is in ACC or ON (the hybrid system is not operating). The power switch is automatically turn to OFF.

However, this function cannot entirely prevent the 12-volt battery discharge. Do not leave the vehicle with the power switch in ACC or ON for long periods of time when the hybrid system is not operating.

NOTICE

■ **To prevent 12-volt battery discharge**

- Do not leave the power switch in ACC or ON for long periods of time without the hybrid system on.
- If “ACCESSORY” or “POWER ON” is displayed on the multi-information display, the power switch is not off. Exit the vehicle after turning the power switch off.

When stopping the hybrid system with the shift lever in a position other than P

If the hybrid system is stopped when the shift lever is in a position other than P or the shift release button is pressed, the power switch will not be turned off but instead be turned to ON. Perform the following procedure to turn the switch off:

1. Check that the parking brake is set.
2. Shift the shift lever to P.

Do not press the shift release button after shifting the shift position to P.

3. Check that “POWER ON” is displayed on the multi-information display and press the power switch shortly and firmly.
4. Check that “ACCESSORY” or “POWER ON” on the multi-information display are off.

NOTICE

■ **To prevent 12-volt battery discharge**

- Do not stop the hybrid system with the shift lever in a position other P or the shift release button pressed. If the hybrid system is stopped with the shift lever in a position other than P or the shift release button pressed, the power switch will not be turned off and remained to ON. If the vehicle is left in ON, battery discharge may occur.

NOTICE

- If “ACCESSORY” or “POWER ON” is displayed on the meters while the hybrid system is not operating, the power switch is not off.
  Exit the vehicle after turning the power switch off.

EV drive mode

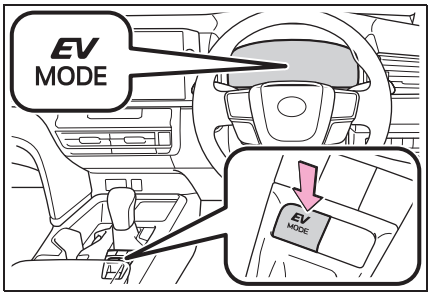
In EV drive mode, electric power is supplied by the hybrid battery (traction battery), and only the electric motor (traction motor) is used to drive the vehicle.

This mode allows you to drive in residential areas early in the morning and late at night, or in indoor parking lots etc. without concern for noises and gas emissions.

Operating instructions

Turns EV drive mode on/off

When EV drive mode is turned on, the EV drive mode indicator will come on. Pressing the switch when in EV drive mode will return the vehicle to normal driving (using the gasoline engine and electric motor [traction motor]).



Situations in which EV drive mode cannot be turned on

It may not be possible to turn EV drive mode on in the following situations. If it cannot be turned on, a buzzer will sound and a message will be shown on the multi-information display.

- The temperature of the hybrid system is high.
  The vehicle has been left in the sun, driven on a hill, driven at high speeds, etc.
- The temperature of the hybrid system is low.
  The vehicle has been left for a long period of time etc.
- The gasoline engine is warming up.
- The hybrid battery (traction battery) is low.
  The remaining battery level indicated in the energy monitor display is low. (→P.100)
- Vehicle speed is high.
- The accelerator pedal is depressed firmly or the vehicle is on a hill etc.
- The windshield defogger is in use.

Switching to EV drive mode when the gasoline engine is cold

After the hybrid system has started and the “READY” indicator has illuminated, press the EV drive mode switch before the gasoline engine starts to switch to EV drive mode.

However, depending on vehicle conditions, EV drive mode may be canceled and normal driving (using the gasoline engine and electric motor [traction motor]) may be resumed.

Automatic cancelation of EV drive mode

When driving in EV drive mode, the gasoline engine may start automatically and the vehicle may be driven by the gasoline engine and electric motor (traction motor) in the following situations. When EV drive mode is canceled, a buzzer will sound, the EV drive mode indicator will flash, and a message will be displayed on the multi-information display.

- The hybrid battery (traction battery) becomes low.
  The remaining battery level indicated in the energy monitor display is low. (→P.100)
- Vehicle speed is high.
- The accelerator pedal is depressed firmly or the vehicle is on a hill etc.

Possible driving distance when driving in EV drive mode

EV drive mode’s possible driving distance ranges from a few hundred meters to approximately 1 km (0.6 mile). However, depending on vehicle conditions, there are situations when EV drive mode cannot be used.
(The distance that is possible depends on the hybrid battery [traction battery] level and driving conditions.)

Fuel economy

The hybrid system is designed to achieve the best possible fuel economy during normal driving (using the gasoline engine and electric motor [traction motor]). Driving in EV drive mode more than necessary may lower fuel economy.

If “EV Mode Unavailable” is shown on the multi-information display

The EV drive mode is not available. The reason the EV drive mode is not available (the vehicle is idling, battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Use the EV drive mode when it becomes available.

If “EV Mode Deactivated” is shown on the multi-information display

The EV drive mode has been automatically canceled. The reason the EV drive mode is not available (the battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Drive the vehicle for a while before attempting to turn on the EV drive mode again.

WARNING

■ Caution while driving

When driving in EV drive mode, pay special attention to the area around the vehicle. Because there is no engine noise, pedestrians, people riding bicycles or other people and vehicles in the area may not be aware of the vehicle starting off or approaching them, so take extra care while driving.

Hybrid transmission

Select the shift position depending on your purpose and situation.

Shift position purpose and functions

Shift position	Objective or function
P	Parking the vehicle/starting the hybrid system
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*1
S	S mode driving*2 (→P.173)

*1: To improve fuel efficiency and reduce noise, shift the shift lever to D for normal driving.

*2: By selecting shift ranges using S mode, you can control accelerating force and engine braking force.

■ When driving with dynamic radar cruise control activated

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

- Vehicles with paddle shift switches: While driving in the D position, downshifting to D5 or D4. (→P.223)
- When switching the driving mode to sport mode while driving in the D posi-

tion. (→P.276)

■ **Restraining sudden start (Drive-Start Control)**

→P.157

WARNING

■ **When driving on slippery road surfaces**

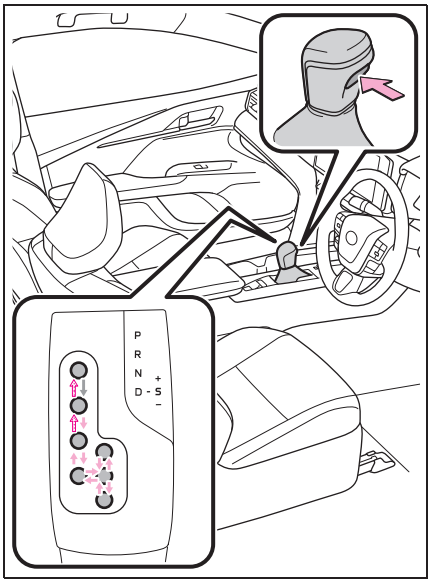
Do not accelerate or shift gears suddenly.
Sudden changes in engine braking may cause the vehicle to spin or skid, resulting in an accident.

NOTICE

■ **Hybrid battery (traction battery) charge**

If the shift lever is in N, the hybrid battery (traction battery) will not be charged even when the engine is running. Therefore, if the vehicle is left with the shift lever in N for a long period of time, the hybrid battery (traction battery) will discharge, and this may result in the vehicle not being able to start.

Shifting the shift lever



:While the power switch is in ON and the brake pedal depressed*, shift the shift lever while pushing the shift release button on the shift knob.

:Shift the shift lever while pushing the shift release button on the shift knob.

:Shift the shift lever normally.

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

*: For the vehicle be able to be shifted from P, the brake pedal must be depressed before the shift release button is pushed. If the shift release button is pushed first, the shift lock will not be released.

Shift lock system

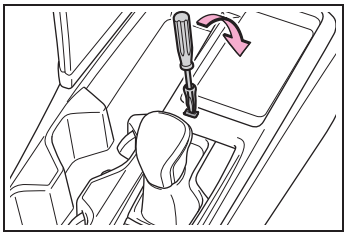
The shift lock system is a system to prevent accidental operation of the shift lever in starting.
The shift lever can be shifted from P only when the power switch is in ON and the brake pedal is being depressed.

If the shift lever cannot be shifted from P

First, check whether the brake pedal is being depressed.
If the shift lever cannot be shifted with your foot on the brake pedal, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.
Releasing the shift lock:

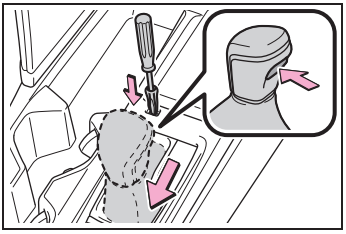
1. Set the parking brake.
2. Turn the power switch off.
3. Depress the brake pedal.
4. Pry the cover up with a flathead screwdriver or equivalent tool.

To prevent damaging the cover, wrap the tip of the flathead screwdriver with a tape.



5. Press and hold the shift lock override button and then push the shift release button on the shift knob.

The shift lever can be shifted while the button is pressed.



WARNING

To prevent an accident when releasing the shift lock

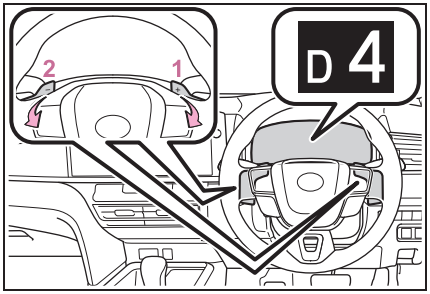
Before pressing the shift lock override button, make sure to set the parking brake and depress the brake pedal.
If the accelerator pedal is accidentally depressed instead of the brake pedal when the shift lock override button is pressed and the shift lever is shifted out of P, the vehicle may suddenly start, possibly leading to an accident resulting in death or serious injury.

Selecting the driving mode

→P.276

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

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



1 Upshifting

2 Downshifting

The selected shift range, from D1 to D5, will be displayed on the multi-information display.

When the "-" paddle shift switch is operated with the shift lever in the D position

The shift range is downshifted to a range that enables engine braking force that is suitable to driving conditions.

Automatic deactivation of shift range selection in the D position

Shift range selection in the D position will be deactivated in the following situations:

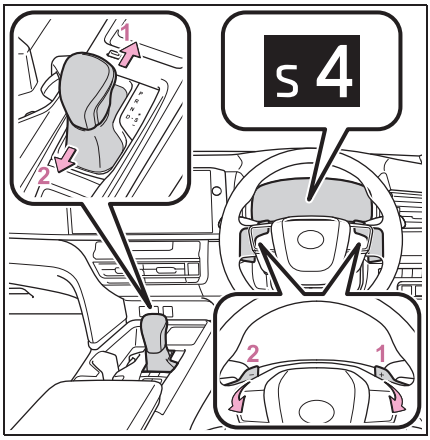
- The "+" paddle shift switch is held down for a period of time
- When the vehicle comes to a stop
- If the accelerator pedal is depressed for more than a certain period of time
- When the shift lever is shifted to a position other than D

Downshift restriction warning buzzer

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

Changing shift ranges in the S position

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



1 Upshifting

2 Downshifting

The shift range changes once every time the shift lever or paddle shift switch (if equipped) is operated.

The selected shift range, from S1 to S6, will be displayed on the multi-information display.

The initial shift range in S mode is set automatically to S4 or S5 according to vehicle speed.

Downshift restriction warning buzzer

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

S mode

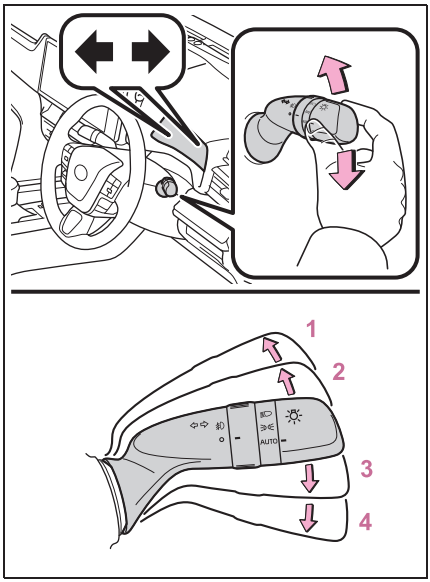
- You can choose from 6 levels of accelerating force and engine braking force.
- A lower shift range will provide greater accelerating force and engine braking force than a higher shift range, and the engine revolutions will also increase.
- When the shift range is S4 or lower, holding the shift lever or paddle shift switch toward “+” sets the shift range to S6.
- To prevent the engine from over-revving, upshifting may automatically occur when the shift range is 4 or lower.

If the S indicator does not come on or the D indicator is displayed even after shifting the shift lever to S

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

Turn signal lever

Operating instructions



1 Left turn

2 Lane change to the left (move the lever partway and release it)

The left hand signals will flash 3 times.

3 Lane change to the right (move the lever partway and release it)

The right hand signals will flash 3 times.

4 Right turn

Turn signals can be operated when

The power switch is in ON.

If the indicator flashes faster than usual

Check that all the turn signal lights are flashing. (→P.346)
When the indicators flash at an abnormally fast speed even though all the turn signal lights are flashing, have the vehicle inspected by your Toyota dealer.

Parking brake

The parking brake can be set or released automatically or manually.

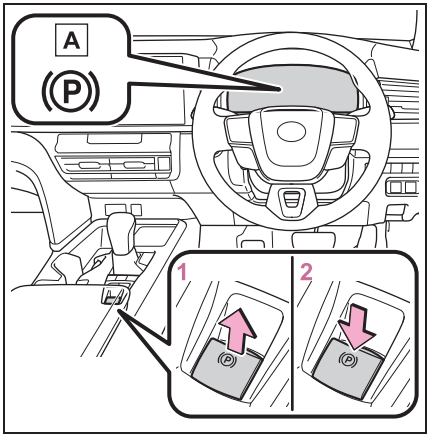
In automatic mode, the parking brake can be set or released automatically according to shift lever operation.

Also, even in automatic mode, the parking brake can be set or released manually.

Operating instructions

■ Using the manual mode

The parking brake can be set and released manually.



A Parking brake indicator light

1 Pull the switch to set the parking brake.

The parking brake indicator light will turn on.

Pull and hold the parking brake switch if an emergency occurs and it is necessary to operate the parking brake while driving.

2 Press the switch to release the parking brake.

- Operate the parking brake switch while depressing the brake pedal.
- Using the parking brake automatic release function, the parking brake can be released by depressing the accelerator pedal. When using this function, slowly depress the accelerator pedal. (→P.176)

Make sure that the parking brake indicator light turn off.

If the parking brake indicator light flash, operate the switch again. (→P.366)

■ Turning the automatic mode on

While the vehicle is stopped, pull and hold the parking brake switch until a buzzer sounds and a message is shown on the multi-information display.

When the automatic mode is turned on, the parking brake operates as follows.

- When the shift lever is shifted from P, the parking brake will be released, and the parking brake indicator light will turn off.
- When the shift lever is shifted to P, the parking brake will be set, and the parking brake indicator light will turn on.

Operate the shift lever with the vehicle stopped and the brake pedal depressed.

The auto function may not operate if the shift lever is moved extremely quickly or

the brake pedal is not firmly depressed. In this situation, apply the parking brake manually. (→P.175)

- When the hybrid system is off, the parking brake will be set, and the parking brake indicator light turn on.

■ Turning the automatic mode off

While the vehicle is stopped and depressing the brake pedal, press and hold the parking brake switch until a buzzer sounds and a message is shown on the multi-information display.

■ Parking brake operation

- When the power switch is not in ON, the parking brake cannot be released using the parking brake switch.
- When the power switch is not in ON, automatic mode (automatic brake setting and releasing) is not available.

■ Parking brake automatic release function

When all of the following conditions are met, the parking brake can be released by depressing the accelerator pedal.

- The driver's door is closed
- The driver is wearing the seat belt
- The shift lever is in a forward driving position or reverse driving position
- The malfunction indicator lamp or brake system warning light is not illuminated.

When depressing the accelerator pedal, depress it slowly.

If the parking brake is not released when the accelerator pedal is depressed, release the parking brake manually.

When the shift lever is shifted from P, the parking brake will be released automatically.

■ Parking brake automatic lock function

The parking brake will be set automatically under the following conditions:

- The brake pedal is not depressed
- The driver's door is open
- The driver's seat belt is not fastened
- The shift lever is in a position other than P or N
- The malfunction indicator lamp and brake system warning light are not illuminated

■ If "Parking Brake Temporarily Unavailable" is displayed on the multi-information display

If the parking brake is operated repeatedly over a short period of time, the system may restrict operation to prevent overheating. If this happens, refrain from operating the parking brake. Normal operation will return after about 1 minute.

■ If "Parking Brake Unavailable" is displayed on the multi-information display

Operate the parking brake switch. If the message does not disappear after operating the switch several times, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

■ Parking brake operation sound

When the parking brake operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ Parking brake indicator light

- Depending on the power switch mode, the parking brake indicator light will turn on and stay on as described below:

ON: Comes on until the parking brake is released.

Not in ON: Stays on for approximately 15 seconds.

- When the power switch is turned off with the parking brake set, the parking brake indicator light will stay on for about 15 seconds. This does not indicate a malfunction.

When the parking brake switch malfunctions

Automatic mode (automatic brake setting and releasing) will be turned on automatically.

Parking the vehicle

→P.152

Parking brake engaged warning buzzer

A buzzer will sound if the vehicle is driven with the parking brake engaged.

"Parking Brake ON" is displayed on the multi-information display (with the vehicle reaching a speed of 5 km/h [3 mph]).

If the brake system warning light comes on

→P.360

Usage in winter time

→P.285

WARNING

When parking the vehicle

Do not leave a child in the vehicle alone. The parking brake may be released unintentionally by a child and there is the danger of the vehicle moving that may lead to an accident resulting in death or serious injury.

Parking brake switch

Do not set any objects near the parking brake switch. Objects may interfere with the switch and may lead the parking brake to unexpectedly operate.

Never use the automatic parking brake engagement function in place of normal parking brake operation. This function is designed to reduce the risk of a collision due to the driver forgetting to engage the parking brake. Over-reliance on this function to park the vehicle safely may lead to an accident resulting in death or serious injury.

NOTICE

When parking the vehicle

Before you leave the vehicle, shift the shift lever to P, set the parking brake and make sure that the vehicle does not move.

When the system malfunctions

Stop the vehicle in a safe place and check the warning messages.

When the vehicle 12-volt battery is discharged

The parking brake system cannot be activated. (→P.390)

When the parking brake cannot be released due to a malfunction

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

Have the vehicle inspected by your Toyota dealer immediately if this occurs.

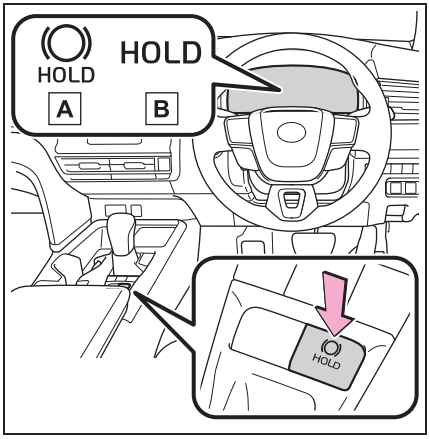
Brake Hold

The brake hold system keeps the brake applied when the shift lever is in D, S, N or P with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in D or S to allow smooth start off.

Enabling the system

Turn the brake hold system on

The brake hold standby indicator (green) A comes on. While the system is holding the brake, the brake hold operated indicator (yellow) B comes on.



■ Brake hold system operating conditions

The brake hold system cannot be turned on in the following conditions:

- The driver's door is not closed.
- The driver is not wearing the seat belt.
- "Parking Brake Unavailable" or "Parking Brake Malfunction Visit Your Dealer" is displayed on the multi-information display.

If any of the conditions above are detected when the brake hold system is enabled, the system will turn off and the brake hold standby indicator light will go off. In addition, if any of the conditions are detected while the system is holding the brake, a warning buzzer will sound and a message will be shown on the multi-information display. The parking brake will then be set automatically.

■ Brake hold function

- If the brake pedal is left released for a period of about 3 minutes after the system has started holding the brake, the parking brake will be set automatically. In this case, a warning buzzer sounds and a message is shown on the multi-information display.
- To turn the system off while the system is holding the brake, firmly depress the brake pedal and press the button again.
- The brake hold function may not hold the vehicle when the vehicle is on a steep incline. In this situation, it may be necessary for the driver to apply the brakes. A warning buzzer will sound and the multi-information display will inform the driver of this situation. If a warning message is shown on the multi-information display, read the message and follow the instructions.
- When do not wish for the parking brake to operate automatically, press and hold the brake hold switch until the standby indicator (green) turns off, and then turn the power switch off.

■ When the parking brake is set automatically while the system is holding the brakes

Perform any of the following operations to release the parking brake:

- Depress the accelerator pedal. (The

parking brake will not be released automatically if the seat belt is not fastened.)

- Operate the parking brake switch with the brake pedal depressed.

Make sure that the parking brake indicator light goes off. (→P.175)

■ When an inspection at your Toyota dealer is necessary

When the brake hold standby indicator (green) does not illuminate even when the brake hold switch is pressed with the brake hold system operating conditions met, the system may be malfunctioning. Have the vehicle inspected at your Toyota dealer.

■ If "Brake Hold Malfunction Press Brake to Deactivate Visit Your Dealer" or "Brake Hold Malfunction Visit Your Dealer" is displayed on the multi-information display

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

■ Warning messages and buzzers

Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution. If a warning message is shown on the multi-information display, read the message and follow the instructions.

■ If the brake hold operated indicator flashes

→P.366

WARNING

■ When the vehicle is on a steep incline

Take care when using the brake hold system on a steep incline, exercise caution. The brake hold function may not hold brakes in such situations. Also, the system may not activate depending on the angle of the slope.

■ When stopped on a slippery road

The system cannot stop the vehicle when the gripping ability of the tires has been exceeded. Do not use the system when stopped on a slippery road.

NOTICE

■ When parking the vehicle

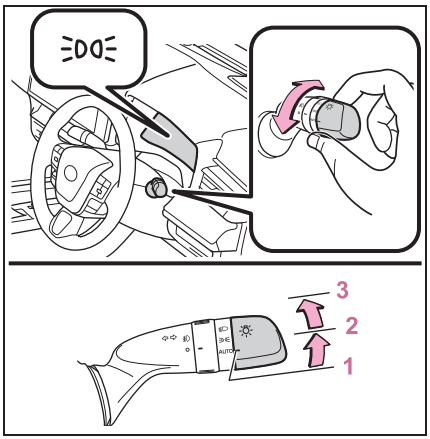
The brake hold system is not designed for use when parking the vehicle for a long period of time. Turning the power switch off while the system is holding the brake may release the brake, which would cause the vehicle to move. When operating the power switch, depress the brake pedal, shift the shift lever to P and set the parking brake.

Headlight switch

The headlights can be operated manually or automatically.

Operating instructions

Operating the switch turns on the lights as follows:



1 AUTO The headlights, daytime running lights (→P.180) and all the lights listed below turn on and off automatically.

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

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

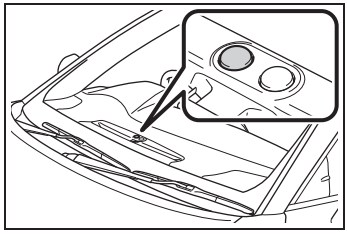
■ AUTO mode can be used when

The power switch is in ON.

■ Daytime running light system

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever hybrid system is started and the parking brake is released with the headlight switch in the AUTO position. (Illuminate brighter than the front position lights.) Daytime running lights are not designed for use at night.

■ Headlight control sensor



The sensor may not function properly if an object is placed on the sensor, or anything that blocks the sensor is affixed to the windshield.
Doing so interferes with the sensor detecting the level of ambient light and may cause the automatic headlight system to malfunction.

■ Automatic light off system

- When the headlights come on: The headlights and tail lights turn off 30 seconds after a door is opened and closed if the power switch is turned off. (The lights turn off immediately if on the key is pressed after all the doors are closed.)
- When only the tail lights are on: The tail lights turn off automatically if the power switch is turned off and the driver's door is opened.

To turn the lights on again, turn the power switch to ON, or turn the light switch off once and then back to or .

■ Light reminder buzzer

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

12-volt battery-saving function

In order to prevent the 12-volt battery of the vehicle from discharging, if the headlights and/or tail lights are on when the power switch is turned off the 12-volt battery saving function will operate and automatically turn off all the lights after approximately 20 minutes. When the power switch is turned to ON, the 12-volt battery-saving function will be disabled. When any of the following are performed, the 12-volt battery-saving function is canceled once and then reactivated. All the lights will turn off automatically 20 minutes after the 12-volt battery-saving function has been reactivated:

- When the headlight switch is operated
- When a door is opened or closed

When unlocking the doors (welcome lamp)

The front position lights automatically turn on when the surroundings are dark and the doors are unlocked using the entry function or wireless remote control if the light switch is in the AUTO position.

Customization

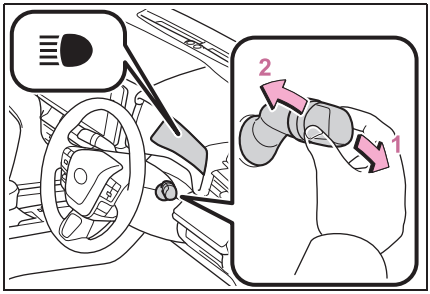
Some functions can be customized. (→P.410)

NOTICE

To prevent 12-volt battery discharge

Do not leave the lights on longer than necessary when the hybrid system is off.

Turning on the high beam headlights



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

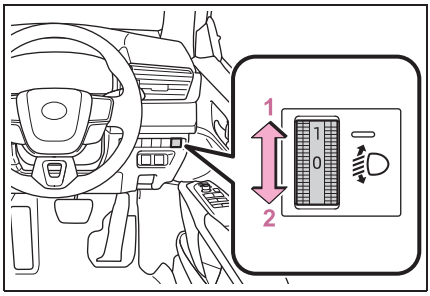
Pull the lever toward you to the center position to turn the high beams off.

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

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

Manual headlight leveling dial

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 head-

lights

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	1.5
All seats occupied	Full luggage loading	2.5
Driver	Full luggage loading	3.5

AHB (Automatic High Beam)

WARNING

■ For safe use

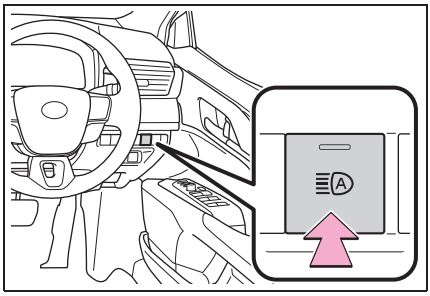
Do not overly rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beams on or off manually if necessary.

■ To prevent unintentional operation of the Automatic High Beam System

● When it is necessary to disable the system: →P.192

Using the Automatic High Beam system

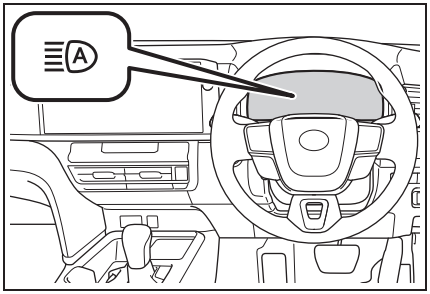
1 Press the Automatic High Beam switch.



2 Turn the headlight switch to the AUTO or position.

When the headlight switch lever is in the low beam position, the AHB system will be enabled and the AHB indicator

will illuminate.



Automatic operating conditions of the high beams

- When all of the following conditions are met, the high beams will illuminate automatically:
  - The vehicle speed is approximately 30 km/h (19 mph) or more.
  - The area ahead of the vehicle is dark.
  - There are no vehicles ahead with lights on.
  - There are few streetlights or other lights on the road ahead.
- If any of the following conditions are met, the headlights will change to the low beams:
  - Vehicle speed drops below approximately 25 km/h (16 mph).
  - The area ahead of the vehicle is not dark.
  - There is a vehicle ahead with lights on.
  - There are many streetlights or other lights on the road ahead.

Front camera detection

- In the following situations, the high beams may not be automatically changed to the low beams:
  - When a vehicle cuts in front of your vehicle
  - When another vehicle crosses in front of the vehicle
  - When vehicles ahead are repeatedly detected and then hidden due to repeated curves, road dividers or roadside trees
  - When a vehicle ahead approaches from a far lane
  - When a vehicle ahead is far away
  - When a vehicle ahead has no lights
  - When the lights of a vehicle ahead are dim
  - When a vehicle ahead is reflecting strong light, such as own headlights
  - Situations in which the sensors may not operate properly: →P.196
- The headlights may change to the low beams if a vehicle ahead that is using fog lights without its headlights turned on is detected.
- House lights, street lights, traffic signals, and illuminated billboards or signs may cause the high beams to change to the low beams, or the low beams to remain on.
- The following may change the timing at which the headlights change to the low beams:
  - The brightness of lights of vehicles ahead
  - The movement and direction of vehicles ahead
  - The distance between the vehicle and a vehicle ahead
  - When a vehicle ahead only has lights illuminated on one side
  - When a vehicle ahead is a two-wheeled vehicle
  - The condition of the road (gradient, curve, condition of the road surface, etc.)
  - The number of passengers and amount of luggage
- The headlights may change between the high beams and low beams unexpectedly.
- Bicycles and other small vehicles may not be detected.
- In the following situations, the system may not be able to correctly detect the brightness of the surroundings. This may cause the low beams to remain on or the high beams to flash or dazzle pedestrians or vehicles ahead. In such a case, it is necessary to manually change between the high beams and low beams.
  - When there are lights similar to head-

lights or tail lights in the surrounding area
- When headlights or tail lights of vehicles ahead are turned off, dirty, changing color, or not aimed properly
- When the headlights are repeatedly changing between the high beams and low beams.
- When use of the high beams is inappropriate or when the high beams may be flashing or dazzling pedestrians or other drivers.
- When the vehicle is used in an area in which vehicles travel on the opposite side of the road of the country for which the vehicle was designed, for example using a vehicle designed for right-hand traffic in a left-hand traffic area, or vice versa
- When it is necessary to disable the system: →P.192
- Situations in which the sensors may not operate properly: →P.196

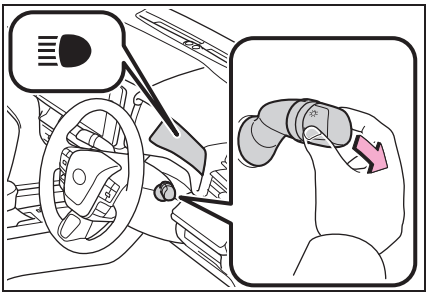
Turning the high beams on/off manually

■ Changing to the high beams

Push the lever forward.

The AHB indicator will turn off and the high beam indicator will turn on.

Pull the lever to its original position to enable the Automatic High Beam system again.

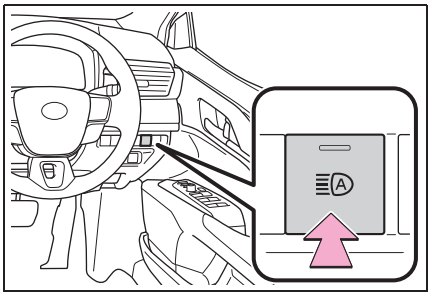


■ Changing to the low beams

Press the Automatic High Beam switch.

The AHB indicator will turn off.

Press the switch to enable the Automatic High Beam system again.

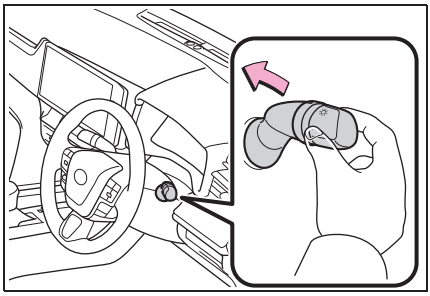


Temporarily changing to the low beams

It is recommended to switch to the low beams when use of the high beams is inappropriate or when the high beams may cause problems or distress to other drivers or pedestrians nearby.

Pull the lever rearward and then return it to its original position.

The high beams will illuminate while the lever is pulled, however, after the lever is returned to its original position, the low beams will remain on for a certain amount of time. After this, the Automatic High Beam system will operate.

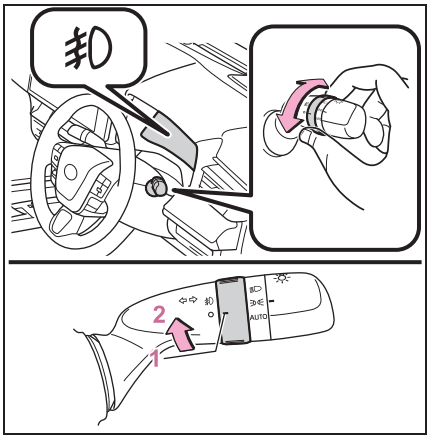


Fog light switch*

*: If equipped

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

Operating instructions



1 Turns the front fog lights off

2 Turns the front fog lights on

■ Fog lights can be used when

The headlights or the front position lights are turned on.

Windshield wipers and washer

Operating the lever can use the windshield wipers or the washer.

NOTICE

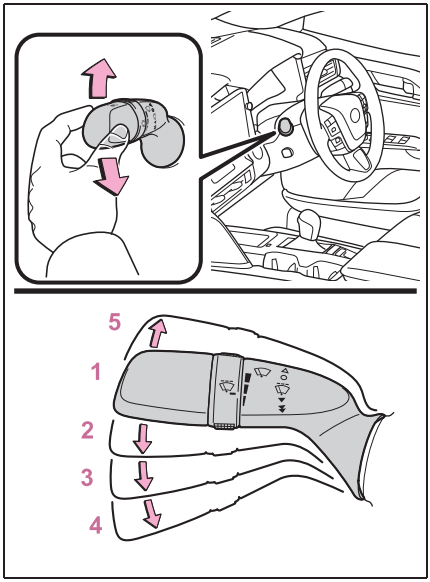
■ When the windshield is dry

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

Operating the wiper lever

Operating the lever operates the wipers or washer as follows.

▶ Intermittent windshield wipers with interval adjuster



1 Off

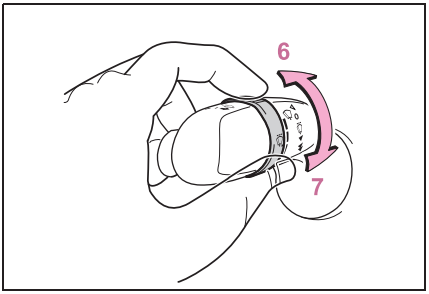
2 Intermittent windshield wiper operation

3 ▼ Low speed windshield wiper operation

4 ▼▼ High speed windshield wiper operation

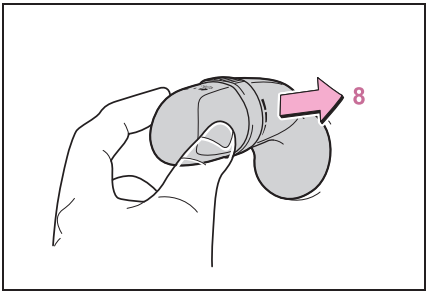
5 △ Temporary operation

Wiper intervals can be adjusted when intermittent operation is selected.



6 Increases the intermittent windshield wiper frequency

7 Decreases the intermittent windshield wiper frequency

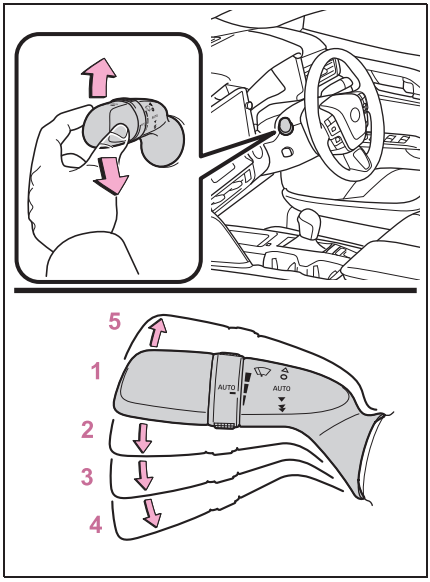


8 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

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

▶ Rain-sensing windshield wipers



1 O Off

2 AUTO Rain-sensing windshield wiper operation

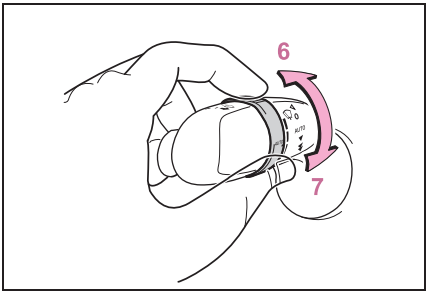
3 ▼ Low speed windshield wiper operation

4 ▼▼ High speed windshield wiper operation

5 △ Temporary operation

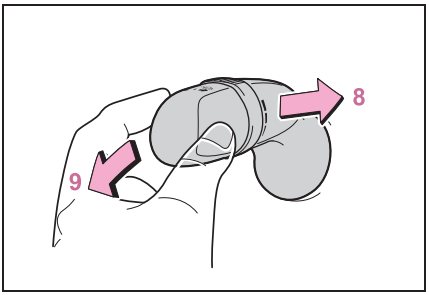
When “AUTO” is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.

When “AUTO” is selected, the sensor sensitivity can be adjusted as follows by turning the switch ring.



6 Increases the rain-sensing windshield wiper sensitivity

7 Decreases the rain-sensing windshield wiper sensitivity



8 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

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

9 Rear camera washer operation

Pushing the lever operates the rear camera washer and cleans the rear camera and the camera for the Digital Rear-view Mirror.

The windshield wiper and washer can be operated when

The power switch is in ON.

Operating the windshield wipers and washer using the voice control system*

*: If equipped

The following operation can be performed using the voice control system.

- Operating the windshield wipers only once
- Operating the windshield washer (it can be performed only when the vehicle is stopped)

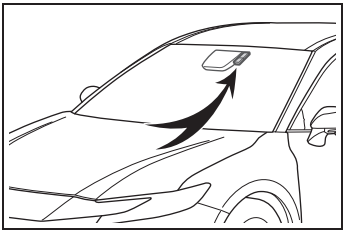
For details regarding the voice control system, refer to the “Multimedia Owner’s Manual”.

Effects of vehicle speed on wiper operation

Vehicle speed affects the Intermittent wiper interval.

Raindrop sensor (vehicles with rain-sensing windshield wipers)

- The raindrop sensor judges the amount of raindrops.
  An optical sensor is adopted. It may not operate properly when sunlight from the rising or setting of the sun intermittently strikes the windshield, or if bugs etc. are present on the windshield.



- If the wiper is turned to AUTO mode while the power switch is in ON, the wipers will operate once to show that AUTO mode is activated.
- If the temperature of the raindrop sensor is 85°C (185°F) or higher, or -15°C (5°F) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than AUTO mode.

If no windshield washer fluid sprays

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

Front door opening linked windshield wiper stop function (vehicles with rain-sensing windshield wipers)

When AUTO is selected and the windshield wipers are operating, if a front door is opened, the operation of the windshield wipers will be stopped to prevent anyone near the vehicle from being sprayed by water from the wipers, provided the vehicle is stopped. When the front door is closed, wiper operation will resume.

WARNING

Caution regarding the use of windshield wipers in AUTO mode (vehicles with rain-sensing windshield wipers)

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.

Caution regarding the use of washer fluid

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

NOTICE

When the washer fluid tank is empty

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

When a nozzle becomes blocked

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

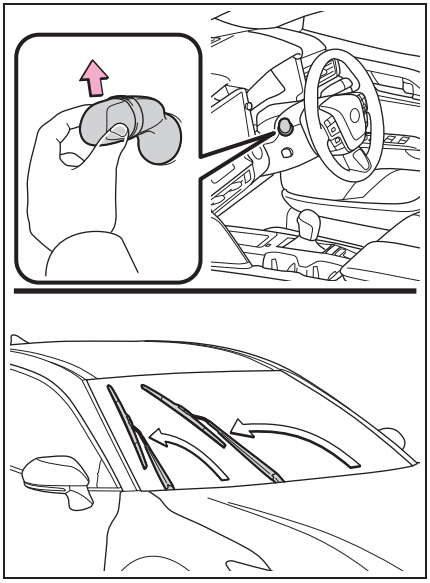
Changing the windshield wiper rest position/Lifting the windshield wipers

When the windshield wipers are not being used, they retract to below the hood. To enable the windshield wipers to be lifted when parking in cold conditions or when replacing a windshield wiper insert, change the rest position of the windshield wipers to the service position using the wiper lever.

Raising the wipers to the service position

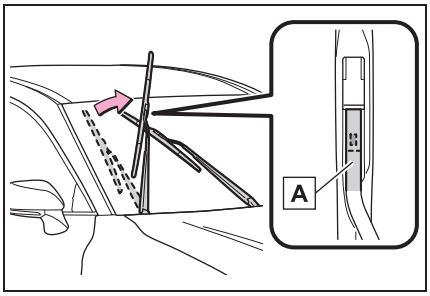
Within approximately 45 seconds of turning the power switch off, move the wiper lever to the △ position and hold it for approximately 2 seconds or more.

The wipers will move to the service position.



Lifting the windshield wipers

While holding the hook portion of the wiper arm, lift the windshield wiper from the windshield.



A Hook portion

Lowering the windshield wipers to the retracted position

With the windshield wipers placed on the windshield, turn the power switch to ON and then move the wiper lever to an operating position. When the wiper switch is turned off, the windshield wipers will stop at the retracted position.

Operating the windshield wipers and washer using the voice control system*

*: If equipped

The windshield wipers can be moved to the service position using the voice control system. (Operation is possible only when the vehicle is stopped with the

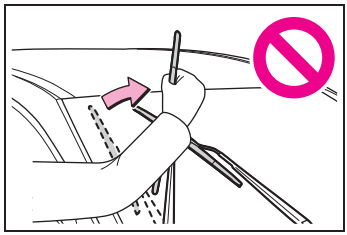
wiper switch in O .)

For details regarding the voice control system, refer to the “Multimedia Owner’s Manual”.

NOTICE

When lifting the windshield wipers

- Do not lift the windshield wipers when they are in the retracted position below the hood. Otherwise, they may contact the hood, possibly resulting in damage to a windshield wiper and/or the hood.
- Do not lift a windshield wiper by the wiper blade. Otherwise, the wiper blade may be deformed.



- Do not operate the wiper lever when the windshield wipers are lifted. Otherwise, the windshield wipers may contact the hood, possibly resulting in damage to the windshield wipers and/or hood.

Opening the fuel tank cap

Perform the following steps to open the fuel tank cap:

Before refueling the vehicle

- Turn the power switch off and ensure that all the doors and windows are closed.
- Confirm the type of fuel.

■ Fuel types

→P.409

■ Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your vehicle has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

⚠ WARNING

■ When refueling the vehicle

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

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

■ When refueling

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

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

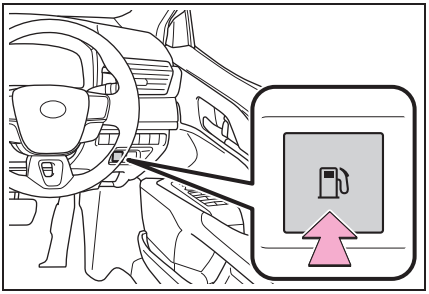
NOTICE

■ Refueling

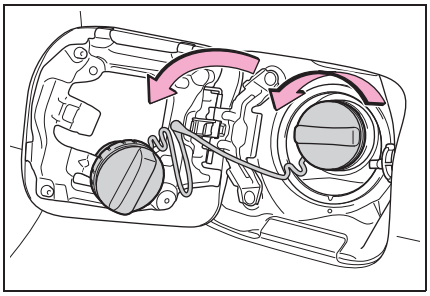
Do not spill fuel during refueling. Doing so may damage the vehicle, such as causing the emission control system to operate abnormally or damaging fuel system components or the vehicle's painted surface.

Opening the fuel tank cap

1 Press the fuel filler door opener switch.



2 Turn the fuel tank cap slowly and remove it, then hang it on the back of the fuel filler door.

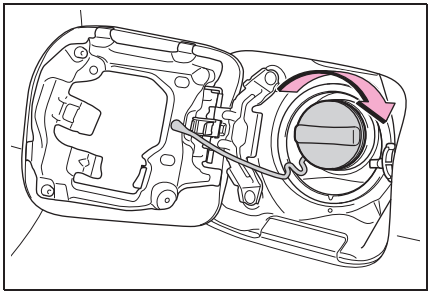


■ If the fuel filler door cannot be opened

Consult your Toyota dealer.

Closing the fuel tank cap

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



WARNING

■ When replacing the fuel tank 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.

Toyota Safety Sense

The Toyota Safety Sense consists of the driving assist systems and contributes to a safe and comfortable driving experience:

WARNING

■ Toyota Safety Sense

The Toyota Safety Sense operates under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants in a collision and assist the driver under normal driving conditions.
As there is a limit to the degree of recognition accuracy and control performance that this system can provide, do not overly rely on this system. The driver is solely responsible for paying attention to the vehicle's surroundings and driving safely.

■ For safe use

- Do not overly rely on this system. The driver is solely responsible for paying attention to the vehicle's surroundings and driving safely. This system may not operate in all situations and provided assistance is limited. Over-reliance on this system to drive the vehicle safely may lead to an accident resulting in death or serious injury.
- Do not attempt to test the operation of the system, as it may not operate properly, possibly leading to an accident.
- If attention is necessary while performing driving operations or a system malfunction occurs, a warning message or warning buzzer will be operated. If a warning message is displayed on the display, follow the instructions displayed.
- Depending on external noise, the volume of the audio system, etc. it may be difficult to hear the warning buzzer. Also, depending on the road conditions, it may be difficult to recognize the operation of the system.

■ When it is necessary to disable the system

In the following situations, make sure to disable the system.

Failure to do so may lead to the system not operating properly, possibly leading to an accident resulting in death or serious injury.

- When the vehicle is tilted due to being overloaded or having a flat tire
- When driving at extremely high speeds
- When towing another vehicle
- When the vehicle is being transported by a truck, ship, train, etc.
- When the vehicle is raised on a lift and the tires are allowed to rotate freely
- When inspecting the vehicle using a drum tester such as a chassis dynamometer or speedometer tester, or when using an on vehicle wheel balancer
- When the vehicle is driven in a sporty manner or off-road
- When using an automatic car wash
- When a sensor is misaligned or deformed due to a strong impact being applied to the sensor or the area around the sensor
- When accessories which obstruct a sensor or light are temporarily installed to the vehicle

WARNING

- When a compact spare tire or tire chains are installed to the vehicle or an emergency tire puncture repair kit has been used
- When the tires are excessively worn or the inflation pressure of the tires is low
- When tires other than the manufacturer specified size are installed
- When the vehicle cannot be driven stably, due to a collision, malfunction, etc.

Driving assist systems

■ **AHB (Automatic High Beam)**

→P.182

■ **PCS (Pre-Collision System)**

→P.201

■ **LTA (Lane Tracing Assist)**

→P.212

■ **LDA (Lane Departure Alert)**

→P.216

■ **RSA (Road Sign Assist)**

→P.221

■ **Dynamic radar cruise control**

→P.223

■ **Cruise control**

→P.234

■ **Emergency Driving Stop System**

→P.238

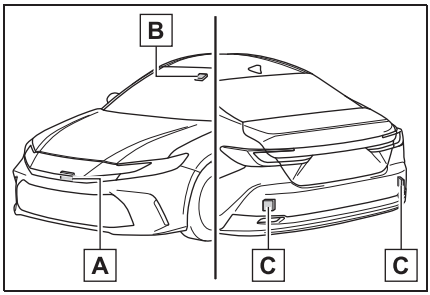
■ **Driver monitor**

→P.199

Sensors used by Toyota Safety Sense

Various sensors are used to obtain the necessary information for system operation.

■ **Sensors which detect the surrounding conditions**

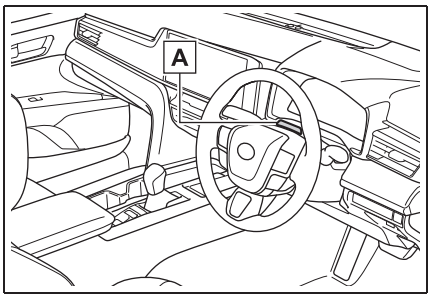


A Front radar sensor

B Front camera

C Rear side radar sensors

■ **Sensors which detect the driver condition**



A Driver monitor camera

WARNING

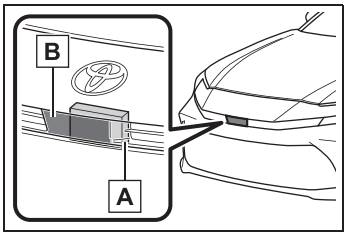
■ To prevent malfunction of the radar sensors

Observe the following precautions. Failure to do so may lead to a radar sensor not operating properly, possibly leading to an accident resulting in death or serious injury.

- Keep the radar sensors and radar sensor covers clean at all times.

Clean the front of a radar sensor or the front or back of a radar sensor cover if it is dirty or covered with water droplets, snow, etc.

When cleaning the radar sensor and radar sensor cover, use a soft cloth to remove dirt so as to not damage them.



A Radar sensor

B Radar sensor cover

- Do not attach accessories, stickers (including transparent stickers), aluminum tape, etc. to a radar sensor or radar sensor cover and their surrounding area.
- Do not subject a radar sensor or its surrounding area to impact.If a radar sensor, the front grille, or front bumper has been subjected to a impact, have the vehicle inspected by your Toyota dealer.
- Do not disassemble the radar sensors.
- Do not modify or paint the radar sensors or radar sensor cover, or replace them with anything other than Toyota genuine parts.
- In the following situations, recalibration of the radar sensors will be necessary. For details, contact your Toyota dealer.
  - When a radar sensor is removed and installed, or replaced
  - When the front bumper or the front grille has been replaced

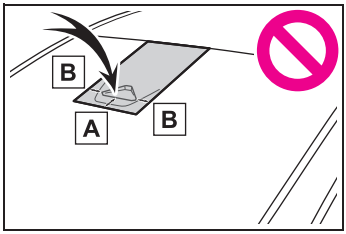
■ To prevent malfunction of the front camera

Observe the following precautions. Failure to do so may lead to the front camera not operating properly, possibly leading to an accident resulting in death or serious injury.

- Always keep the windshield clean.
  - If the windshield is dirty or covered with an oily film, water droplets, snow, etc., clean the windshield.
  - Even if a glass coating agent is applied to the windshield, it will still be necessary to use the windshield wipers to remove water droplets, etc. from the area of the windshield in front of the front camera.
  - If the inner side of the windshield where the front camera is installed is dirty, contact your Toyota dealer.

WARNING

- Do not attach stickers (including transparent stickers) or other items to the area of the windshield in front of the front camera (shaded area in the illustration).



A Approximately 4 cm (1.6 in.)

B Approximately 4 cm (1.6 in.)

- If the part of the windshield in front of the front camera is fogged up or covered with condensation or ice, use the windshield defogger to remove the fog, condensation, or ice.
- If water droplets cannot be properly removed from the area of the windshield in front of the front camera by the windshield wipers, replace the wiper insert or wiper blade.
- Do not attach window tint to the windshield.
- Replace the windshield if it is damaged or cracked.If the windshield has been replaced, recalibration of the front camera will be necessary. For details, contact your Toyota dealer.
- Do not allow liquids to contact the front camera.
- Do not allow bright lights to shine into the front camera.
- Do not damage the lens of the front camera or allow it to become dirty. When cleaning the inside of the windshield, do not allow glass cleaner to contact the lens of the front camera.
  Do not touch the lens of the front camera.If the lens of the front camera is dirty or damaged, contact your Toyota dealer.
- Do not subject the front camera to a strong impact.
- Do not change the position or orientation of the front camera or remove it.
- Do not disassemble the front camera.
- Do not modify any parts around the front camera, such as the inside rear view mirror or ceiling.
- Do not attach accessories which may obstruct the front camera to the hood, front grille, or front bumper.
  For details, contact your Toyota dealer.
- If a surfboard or other long object is to be mounted on the roof, make sure that it will not obstruct the front camera.
- Do not modify or change the headlights and other lights.

■ Front camera installation area on the windshield

If the system determines that the windshield may be fogged up, it will automatically operate the heater to defog the part of the windshield around the front camera. When cleaning, etc., be careful not to touch the area around the front camera until the windshield has cooled sufficiently, as touching it may cause burns.

WARNING

■ Precautions for the driver monitor camera

Observe the following precautions.

Failure to do so may lead to malfunction of the driver monitor camera and the systems not operating properly, possibly leading to an accident resulting in death or serious injury.

- Do not subject the driver monitor camera or its surrounding area to strong impact.

If subjected to a strong impact, the driver monitor camera may move out of alignment and the driver may no longer be detected correctly. In this case, have the vehicle inspected by your Toyota dealer.

- Do not disassemble or modify the driver monitor camera.
- Do not attach accessories, stickers (including transparent stickers), etc. to the driver monitor camera or its surrounding area.
- Do not allow the driver monitor camera or its surrounding area to get wet.
- Do not cover the driver monitor camera or place anything in front of it.
- Keep the lens of the driver monitor camera free from damage.
- Do not touch the lens of the driver monitor camera or allow it to become dirty.

When there is dirt or fingerprints on the camera lens, clean it with a dry, soft cloth so as to not mark or damage it.

- When cleaning the lens, do not use detergents or organic solvents that may damage plastic.

■ Situations in which the sensors and the systems may not operate properly

- When the height or inclination of the vehicle has been changed due to modifications
- When the windshield is dirty, fogged up, cracked or damaged
- When the ambient temperature is high or low
- When mud, water, snow, dead insects, foreign matter, etc., is attached to the front of the sensor
- When in inclement weather such as heavy rain, fog, snow, or a sandstorm
- When water, snow, dust, etc. is thrown up in front of the vehicle, or when driving through mist or smoke
- When the headlights are not illuminated while driving in the dark, such as at night or when in a tunnel
- When the lens of a headlight is dirty and illumination is weak
- When the headlights are misaligned
- When a headlight is malfunctioning
- When the headlights of another vehicle, sunlight, or reflected light shines directly into the front camera
- When the brightness of the surrounding area changes suddenly
- When driving near a TV tower, broadcasting station, electric power plant, radar equipped vehicles, etc., or other location where strong radio waves or electrical noise may be present
- When a wiper blade is blocking the front camera
- When in a location or near objects which strongly reflect radio waves, such as the following:

• Tunnels
• Truss bridges
• Gravel roads
• Rutted, snow-covered roads
• Walls
• Large trucks

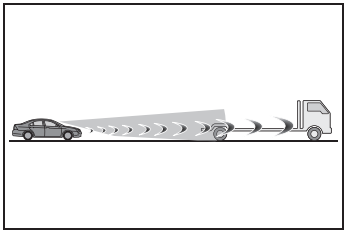
- Manhole covers
- Guardrail
- Metal plates

● When near a step or protrusion

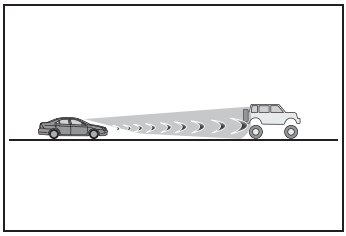
● When a detectable vehicle is narrow, such as a small mobility vehicle

● When a detectable vehicle has a small front or rear end, such as an unloaded truck

● When a detectable vehicle has a low front or rear end, such as a low bed trailer



● When a detectable vehicle has extremely high ground clearance



● When a detectable vehicle is carrying a load which protrudes from its cargo area

● When a detectable vehicle has little exposed metal, such as a vehicle which is partially covered with cloth, etc.

● When a detectable vehicle is irregularly shaped, such as a tractor, sidecar, etc.

● When the distance between the vehicle and a detectable vehicle has become extremely short

● When a detectable vehicle is at an angle

● When snow, mud, etc. is attached to a detectable vehicle

● When driving on the following kinds of roads:

- Roads with sharp curves or winding roads
- Roads with changes in grade, such as sudden inclines or declines
- Roads which is sloped to the left or right
- Roads with deep ruts
- Roads which are rough and unmaintained
- Roads which frequently undulate or are bumpy

● When the steering wheel is being operated frequently or suddenly

● When the vehicle is not in a constant position within a lane

● When parts related to this system, the brakes, etc. are cold or extremely hot, wet, etc.

● When the wheels are misaligned

● When driving on slick road surfaces, such as when it is covered with ice, snow, gravel, etc.

● When the course of the vehicle differs from the shape of a curve

● When the vehicle speed is excessively high when entering a curve

● When entering/exiting a parking lot, garage, car elevator, etc.

● When driving in a parking lot

● When driving through an area where there are obstructions which may contact your vehicle, such as tall grass, tree branches, a curtain, etc.

● When driving in strong wind

■ Situations in which the lane may not be detected

● When the lane is extremely wide or narrow

● Immediately after changing lanes or passing through an intersection

● When driving in a temporary lane or lane regulated by construction

● When there are structures, patterns,

shadows which are similar to lane lines in the surrounding

- When there are multiple white lines for a lane line
- When the lane lines are not clear or driving on a wet road surface
- When a lane line is on a curb
- When driving on a bright, reflective road surface, such as concrete

■ Situations in which some or all of the functions of the system cannot operate

- When a malfunction is detected in this system or a related system, such as the brakes, steering, etc.
- When the VSC, TRC, or other safety related system is operating
- When the VSC, TRC, or other safety related system is off

■ Changes in brake operation sound and pedal response

- When the brakes have been operated, brake operation sounds may be heard and the brake pedal response may change, but this does not indicate a malfunction
- When the system is operating, the brake pedal may feel stiffer than expected or sink. In either situation the brake pedal can be depressed further. Further depress the brake pedal as necessary

■ Situations in which the driver monitor may not operate properly

In situations such as the following, the driver monitor camera may not be able to detect the driver's face, and the function may not operate properly.

- When the inside of the vehicle is hot, such as after the vehicle has been parked in the sun
- When a very bright light, such as the sun or the headlights of following vehicle, shines onto the driver monitor camera
- When the brightness inside the vehicle changes frequently due to the shadows of surrounding structures, etc.
- When a very bright light, such as the sun or the headlights of an oncoming vehicle, is shining onto the driver's face
- When light, either inside or outside of the vehicle, is being reflected from the lenses of eyeglasses or sunglasses
- When there are multiple faces in the detection range of the driver monitor camera, such as when a front or rear passenger is leaning toward the driver's seat
- When the driver's face is outside of the detection range of the driver monitor camera, such as when leaned forward or when their head is outside of the window
- When the driver monitor camera is being blocked by the steering wheel, a hand holding the steering wheel, an arm, etc.
- When the driver is wearing a hat
- When the driver is wearing an eyepatch
- When the driver is wearing eyeglasses or sunglasses that do not easily transmit infrared rays
- When the driver is wearing contact lenses
- When the driver is wearing a face mask
- When the driver is laughing or the driver's eyes are only slightly open
- When the driver's eyes, nose, mouth, or shape of their face is blocked
- When the driver is wearing makeup which makes it difficult to detect their eyes, nose, mouth, or shape of their face
- When the driver's eyes are blocked by the frame of eyeglasses, sunglasses, hair, etc.
- When there is a device inside the vehicle that radiates near infrared

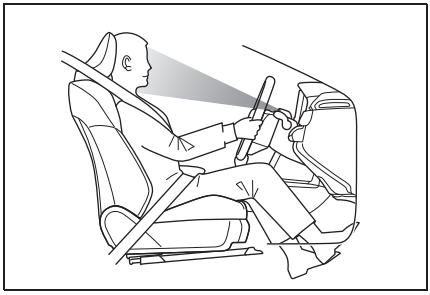
rays, such as a non-genuine driver monitoring system

Driver monitor

Basic functions

During controlled driving, the driver monitor camera detects the position and direction the driver is facing, and whether their eyes are opened or closed. Through this, the system determines if the driver is checking their surroundings and if the driver can perform driving operations.

In order to operate properly, the driver monitor camera requires an unobstructed view of the driver's face. If the steering column or seat position is either too high or too low, or if any other condition is present that obstructs the driver monitor camera's view of the driver's face, some driving support systems may not operate properly, or a warning message may be displayed.



Warning function

In situations such as the following, a buzzer will sound and a message will be displayed to warn the driver.

- When the system determines that the driver is not paying

attention to the road or their eyes are closed

- When the driver's face cannot be detected or the system determines that the driver has poor driving posture

When the position of the steering wheel/driver's seat is too high or too low, the driver monitor camera may not be able to recognize the whole face of the driver which can limit feature functionality and possibly trigger an alarm. Adjust the steering wheel/seat position to achieve a proper seating position where the whole meter is visible. Confirm proper seat belt routing, head restraint positioning, and appropriate distance from the steering wheel and frontal airbag as described in this manual. If the alarm continues even after making the recommended adjustments, contact your Toyota dealer.

■ Face identification

The driver monitor is used as a device to identify faces in order to identify an individual.

For information about how to use the face identification function, priorities among other devices of individual identification, and linked vehicle settings, see “My Settings”. (→P.149)

WARNING

■ For safe use

- The driver monitor is not designed to prevent the driver from driving carelessly or having a poor driving posture.Pay careful attention to the surrounding conditions in order to ensure safe driving.
- The driver monitor cannot reduce drowsiness. If you feel unable to concentrate or drowsy, take a break and sleep as necessary in order to ensure safe driving.

■ Warning function

These functions may not operate when the vehicle speed is low.

■ Face identification

Face identification starts when the door is opened then closed.

In face identification, facial traits are digitized and stored in a built-in computer, to be used for identification in My Settings.

- Face image or video are not stored. Voice is not stored either.
- Digitized face information is not used for any purpose other than identification in My Settings. Additionally, face information cannot be decoded and will not be disclosed or provided to a third party.
- Face information can be deleted by yourself.
- For the handling of face information, please consent to the following before using it:
  - Face identification does not guarantee a complete identity authentication, collation, or identification.
  - When face information registration fails frequently or face identification fails frequently, the driver cameras should be cleaned or face information should be registered again.
  - Face information stored in the vehicle

computer cannot be decoded or moved to another media. Therefore, it is necessary to register face information again once it is deleted or relevant parts are replaced.
- Once deleted, face information cannot be restored. It is necessary to register face information again.

■ Situations where face identification may not be performed correctly

This system is designed for use to identify facial traits. In the following situations, face information may not be able to be registered or identified correctly:

- When a part of the driver's face (eyebrows, eyes, nose, or mouth) is not visible
- When the driver is wearing glasses/sun glasses, a face mask, muffler, etc.
- When the driver is not facing front
- When part of driver's face is covered with hair, beard, a hand, clothes, jewelry, etc.
- When the driver is closing eyes
- When a non-registered driver is a twin, etc. with a registered driver, whose face looks quite alike with each other

■ Situations in which the driver monitor may not operate properly

→P.198

Changing Driver monitor settings

The Warning function of Driver monitor can be enabled/disabled through the customize setting. (→P.419)

Each time the power switch is turned to ON, the Warning function is enabled.

PCS (Pre-Collision System)

The pre-collision system uses sensors to detect objects (→P.202) in the path of the vehicle. When the system determines that the possibility of a frontal collision with a detectable object is high, a warning operates to urge the driver to take evasive action and the potential brake pressure is increased to help the driver avoid the collision. If the system determines that the possibility of a collision is extremely high, the brakes are automatically applied to help avoid the collision or help reduce the impact of the collision.

The pre-collision system can be disabled/enabled and the warning timing can be changed. (→P.211)

WARNING

■ **For safe use**

- Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving.
  Never use the pre-collision system in place of normal braking operations. This system cannot help avoid or reduce the impact of a collision in every situation. Over-reliance on this system to drive the vehicle safely may lead to an accident resulting in death or serious injury.
- Although the pre-collision system is designed to help avoid or help reduce the impact of a collision, its effectiveness may change according to various conditions. Therefore, it may not always be able to achieve the same level of performance.
  Read the following items carefully. Do not overly rely on this system and always drive carefully.
- For safe use: →P.192

■ **When to disable the pre-collision system**

- When it is necessary to disable the system: →P.192

Detectable objects

The system can detect the following as detectable objects. (Detectable objects differ depending on the function.)

- Vehicles
- Bicycles*
- Pedestrians
- Motorcycles*
- Walls

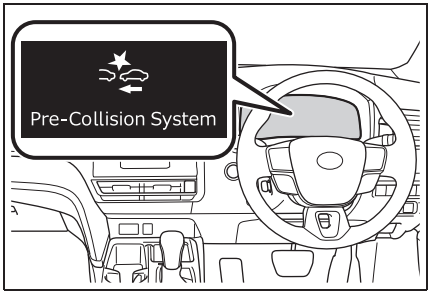
*: : Detected as a detectable object only when being ridden.

System functions

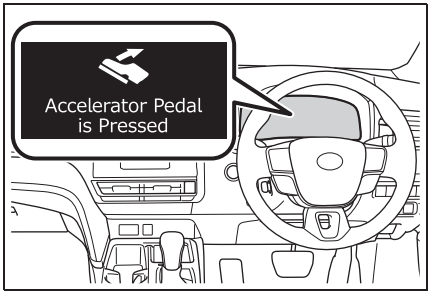
■ Pre-collision warning

When the system determines that the possibility of a collision is high, a buzzer will sound and an icon and warning message will be displayed on the multi-information display to urge the driver to take evasive action.

If the detectable object is a vehicle, there may be cases where moderate braking will be performed with the warning.



If the system determines that the accelerator pedal is strongly depressed, the following icon and message will be displayed on the multi-information display.



Pre-collision brake assist

If the system determines that the possibility of a collision is high and the brake operation by the driver is insufficient, the braking power will be increased.

Pre-collision brake control

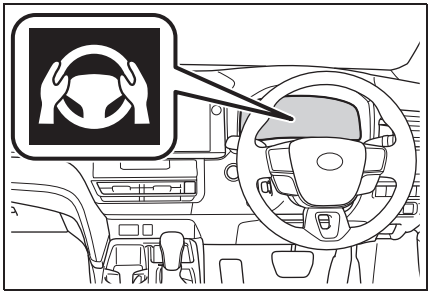
If the system determines that the possibility of a collision is extremely high, the brakes are automatically applied to help avoid the collision or reduce the impact of the collision.

Emergency steering assist

If the system determines that the following conditions are met, assistance will be provided to help enhance vehicle stability and prevent lane departure. During assistance, in addition to the pre-collision warning, the following icon will be displayed on the multi-information display.

- The possibility of a collision is high
- There is sufficient space within the lane to perform evasive steering maneuvers
- The driver is operating the steering wheel

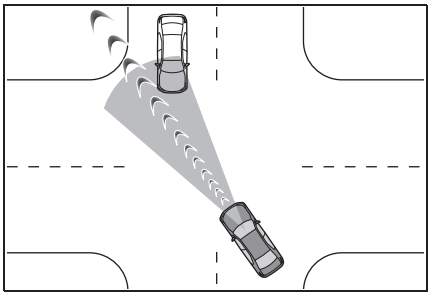
During assistance, the pre-collision warning will operate and a message will be displayed to warn the driver.



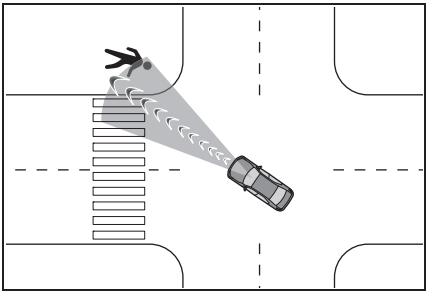
Intersection collision avoidance support (left/right turn)

In situations such as the following, if the system determines that the possibility of a collision is high, the pre-collision warning and pre-collision braking will operate.
Depending on the intersection, assistance may not operate correctly.

- When turning left/right at an intersection and crossing the path of an oncoming vehicle

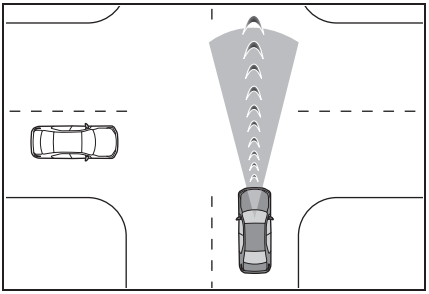


- When turning left/right and a pedestrian or bicycle is detected



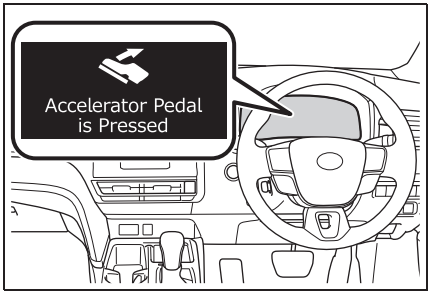
■ Intersection collision avoidance support (crossing vehicles)

At an intersection, etc., if the system determines that the possibility of a collision with an approaching vehicle or motorcycle is high, the pre-collision warning and pre-collision braking will operate.
Depending on the intersection, assistance may not operate correctly.



■ Acceleration Suppression at Low Speed

When driving at a low speed, if the accelerator pedal is strongly depressed and the system determines that there is a possibility of a collision, hybrid system output will be restrained or the brakes will be applied weakly to restrict acceleration. During operation, a buzzer will sound and a warning indicator and message will be displayed on the multi-information display.



WARNING

■ Pre-collision braking

- When the pre-collision braking function is operating, a large amount of braking force will be applied.
- The pre-collision braking function is not designed to hold the vehicle stopped. If the vehicle is stopped by pre-collision brake control, the driver should operate the brakes immediately as necessary.
- The pre-collision braking function may not operate if certain operations are performed by the driver. If the accelerator pedal is being depressed strongly or the steering wheel is being turned, the system may determine that the driver is taking evasive action and possibly prevent the pre-collision braking function from operating.
- If the brake pedal is being depressed, the system may determine that the driver is taking evasive action and possibly delay the operation timing of the pre-collision brake control.

WARNING

■ Acceleration Suppression at Low Speed

If the steering wheel is being turned, the system may determine that the driver is taking evasive action and possibly prevent the Acceleration Suppression at Low Speed function from operating or possibly causing its operation to be canceled.

■ Emergency steering assist

- The emergency steering assist will be canceled when the system determines that lane departure prevention control has completed.
- Depending on operations performed by the driver, emergency steering assist may not operate or operation may be canceled.

• If the accelerator pedal is depressed strongly, the steering wheel is turned heavily, the brake pedal is depressed, or the turn signal lever is operated, the system may determine that the driver is taking evasive action and the emergency steering assist may not operate.

• While the emergency steering assist is operating, if the accelerator pedal is depressed strongly, the steering wheel is turned heavily, or the brake pedal is depressed, the system may determine that the driver is taking evasive action and emergency steering assist operation may be canceled.

• While the emergency steering assist is operating, if the steering wheel is held or turned in the opposite direction of system operation, emergency steering assist operation will be canceled.

■ Operating conditions of each function of the pre-collision system

The pre-collision system is enabled and the system determines that the possibility of

a frontal collision with a detected object is high.

However, the system will not operate in the following situations:

- When the vehicle has not been driven a certain amount after a terminal of the 12-volt battery has been disconnected and reconnected
- When the shift lever is in R
- When the VSC OFF indicator is illuminated (only the pre-collision warning function will be operational)

The following are the operational speeds and cancelation conditions of each function:

- Pre-collision warning

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Preceding vehicles, stopped vehicles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 180 km/h (3 to 110 mph)
Oncoming vehicles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 80 to 220 km/h (50 to 130 mph)
Bicycles	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
Pedestrians	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
Preceding motorcycles, stopped motorcycles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
Oncoming motorcycles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 30 to 180 km/h (20 to 110 mph)

While the pre-collision warning is operating, if the steering wheel is operated heavily or suddenly, the pre-collision warning may be cancelled.

- Pre-collision brake assist

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Preceding vehicles, stopped vehicles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 10 to 180 km/h (7 to 110 mph)
Bicycles	Approximately 30 to 80 km/h (20 to 50 mph)	Approximately 30 to 80 km/h (20 to 50 mph)
Pedestrians	Approximately 30 to 80 km/h (20 to 50 mph)	Approximately 30 to 80 km/h (20 to 50 mph)
Preceding motorcycles, stopped motorcycles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 10 to 80 km/h (7 to 50 mph)

● Pre-collision braking

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Preceding vehicles, stopped vehicles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 180 km/h (3 to 110 mph)
Oncoming vehicles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 80 to 220 km/h (50 to 130 mph)
Bicycles	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
Pedestrians	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
Preceding motorcycles, stopped motorcycles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
Oncoming motorcycles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 30 to 180 km/h (20 to 110 mph)

If either of the following occur while the pre-collision braking function is operating, it will be canceled:

- The accelerator pedal is strongly depressed
- The steering wheel is operated heavily or suddenly

● Emergency steering assist

The emergency steering assist will not operate when the turn signal lights are flashing.

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Preceding vehicles, stopped vehicles, bicycles, pedestrians, motorcycles	Approximately 40 to 80 km/h (25 to 50 mph)	Approximately 40 to 80 km/h (25 to 50 mph)

While the emergency steering assist is operating, if any of the following are performed, emergency steering assist operation may be cancelled:

- The accelerator pedal is strongly depressed
- The steering wheel is operated heavily or suddenly
- The brake pedal is depressed

● Intersection collision avoidance support (left/right turn)

The intersection collision avoidance support (for left/right turning vehicles) will not operate when the turn signal lights are not flashing.

Detectable objects	Vehicle speed	Oncoming vehicle speed	Relative speed between your vehicle and object
Oncoming vehicles	Approximately 5 to 40 km/h (3 to 25 mph)	Approximately 5 to 75 km/h (3 to 45 mph)	Approximately 10 to 115 km/h (7 to 70 mph)
Pedestrians	Approximately 5 to 30 km/h (3 to 20 mph)	—	Approximately 5 to 40 km/h (3 to 25 mph)
Bicycles	Approximately 5 to 30 km/h (3 to 20 mph)	—	Approximately 5 to 50 km/h (3 to 30 mph)
Oncoming motorcycles	Approximately 5 to 40 km/h (3 to 25 mph)	Approximately 5 to 75 km/h (3 to 45 mph)	Approximately 10 to 115 km/h (7 to 70 mph)

● Acceleration Suppression at Low Speed

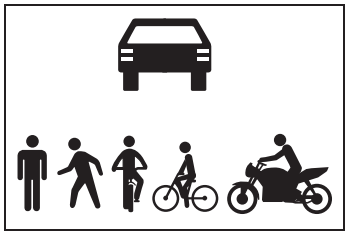
The Acceleration Suppression at Low Speed function will not operate when the turn signal lights are flashing.

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Preceding vehicles, stopped vehicles, Pedestrians, Bicycles, Wall	Approximately 0 to 15 km/h (0 to 9 mph)	Approximately 0 to 15 km/h (0 to 9 mph)

While the Acceleration Suppression at Low Speed function is operating, if any of the following are performed, the low speed sudden acceleration suppression function operation will be cancelled:

■ **Detection of detectable objects**

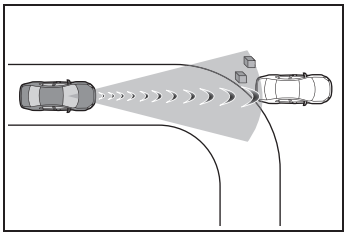
Objects are detected based on their size, shape, and movement.Depending on the ambient brightness, movement, posture and direction of a detectable object, it may not be detected and the system may not operate properly.
The system detects shapes, such as the following, as detectable objects.



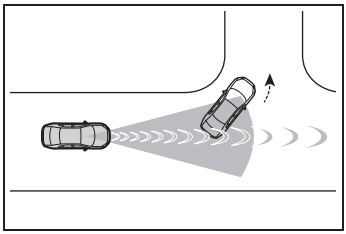
■ **Situations in which the system may operate even though the possibility of a collision is not high**

● In certain situations, such as the following, the system may determine that the possibility of a collision is high and operate:

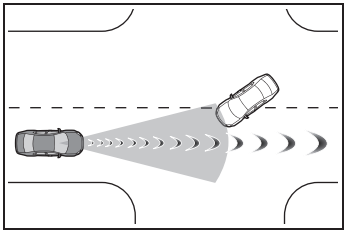
- When passing a detectable object
- When changing lanes while overtaking a detectable object
- When suddenly approaching a detectable object
- When approaching a detectable object or other object on the roadside, such as guardrails, utility poles, trees, walls, etc.
- When there is a detectable object or other object by the roadside at the entrance of a curve



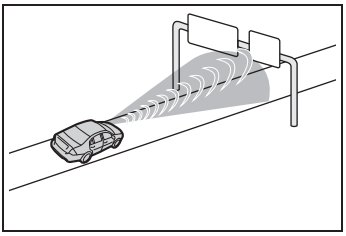
- When there are patterns or a painting ahead of the vehicle that may be mistaken for a detectable object
- When passing a detectable object that is changing lanes or turning left/right



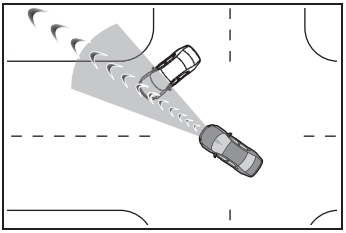
- When passing a detectable object which is stopped to make a left/right turn



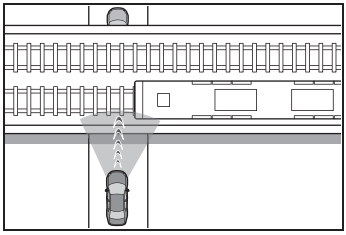
- When a detectable object stops immediately before entering the path of the vehicle
- When passing through a location with a structure above the road (traffic sign, billboard, etc.)



- When approaching an electric toll gate barrier, parking lot barrier, or other barrier that opens and closes
- When turning left/right and an oncoming vehicle, oncoming motorcycle, pedestrian or bicycle crosses in front of the vehicle
- When attempting to turn left/right in front of an oncoming vehicle, oncoming motorcycle, pedestrian or bicycle
- When turning left/right and an oncoming vehicle, oncoming motorcycle, pedestrian or bicycle stops or changes course immediately before entering the path of the vehicle
- When turning left/right and an oncoming vehicle turns left/right in front of the vehicle



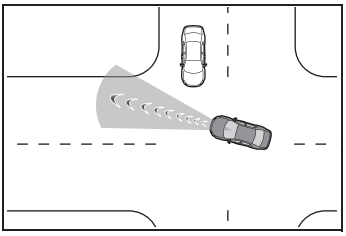
- When the steering wheel is operated toward the path of an oncoming vehicle
- When there is an object moving above or under the road



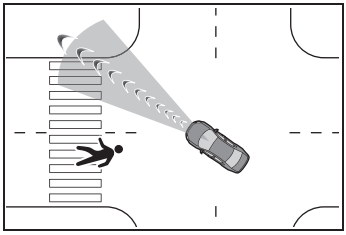
Situations in which the system may not operate properly

In certain situations, such as the following, a detectable object may not be detected by the front sensors, and the system may not operate properly:

- When a detectable object is approaching your vehicle
- When your vehicle or a detectable object is wandering
- When a detectable object makes an abrupt maneuver (such as sudden swerving, acceleration or deceleration)
- When suddenly approaching a detectable object
- When the detectable object is near a wall, fence, guardrail, manhole cover, steel plate on the road surface, or another vehicle
- When there is a structure above a detectable object
- When part of a detectable object is hidden by another object (large luggage, umbrella, guardrail, etc.)
- When multiple detectable objects are overlapping
- When a bright light, such as the sun, is reflecting off of a detectable object
- When a detectable object is white and looks extremely bright
- When the color or brightness of a detectable object causes it to blend in with its surroundings
- When a detectable object cuts in front of or suddenly emerges in front of your vehicle
- When approaching a vehicle which is diagonal
- If a bicycle is a child sized bicycle, is carrying a large load, is carrying an extra passenger, is carrying a forward leaning rider, or has an unusual shape (bicycles equipped with a child seat, tandem bicycles, etc.)
- If a pedestrian or bicycle is shorter than approximately 1 m (3.2 ft.) or taller than approximately 2 m (6.5 ft.)
- When the silhouette of a pedestrian or bicycle is unclear (such as when they are wearing a raincoat, long skirt, etc.)
- When a pedestrian is bending forward or squatting
- When a pedestrian or bicycle is moving at high speed
- When a pedestrian is pushing a stroller, wheelchair, bicycle or other vehicle
- When a detectable object blends in with the surrounding area, such as when it is dim (at dawn or dusk) or dark (at night or in a tunnel)
- When the vehicle has not been driven for a certain amount of time after the hybrid system was started
- While turning left/right or a few seconds after turning left/right
- While driving around a curve and a few seconds after driving around a curve
- When turning left/right and an oncoming vehicle is driving in a lane 3 or more lanes from the vehicle
- When turning left/right and the direction of the vehicle differs greatly from the direction traffic flows in the oncoming lane



- When turning left/right, a pedestrian or bicycle behind the vehicle comes in front of it as if it overtakes the vehicle



- When at an intersection, the approaching crossing vehicle is long in overall length, such as a large truck, towing trailer, etc.

● In addition to the preceding, in certain situations, such as the following, the emergency steering assist may not operate properly:

- When a detectable object is too close to the vehicle
- When there is insufficient space to perform evasive steering maneuvers or an obstruction exists in the evasion direction
- When there is an oncoming vehicle

● In addition to the preceding, in certain situations, such as the following, walls may not be detected as a target object and the Acceleration Suppression at Low Speed function may not operate properly:

- When scenery behind the wall is visible, such as a glass door, grid fence, etc.
- When the wall is slanted or low
- When the wall is narrow, such as a pole, etc.
- When the wall is made of plants, such as a hedge, etc.
- When the road, etc. is reflected on the wall
- When the vehicle is approaching the wall at an angle

Changing the pre-collision setting

● The pre-collision system can be enabled/disabled through a customize setting. (→P.410)

The system is enabled each time the power switch is turned to ON.

● When the system is disabled, the PCS warning light will illuminate and a message will be displayed on the multi-information display.

● The pre-collision setting can be changed on the customize settings. (→P.410)

● When the pre-collision warning timing is changed, the emergency steering assist timing will also be changed.

When "  (later)" is selected, the emergency steering assist will not operate in most cases.

● When the system determines that the driver is not facing forward, the pre-collision warning and emergency steering assist will operate at the "  (Earlier)" timing, regardless of the user setting.

● When the dynamic radar cruise control is operating, the pre-collision warning will operate at the "  (Earlier)" timing, regardless of the user setting.

LTA (Lane Tracing Assist)

LTA functions

- When driving on a road with clear lane lines with the dynamic radar cruise control operating, lane lines and preceding and surrounding vehicles are detected using the front camera and radar sensor, and the steering wheel is operated to maintain the vehicle's lane position.

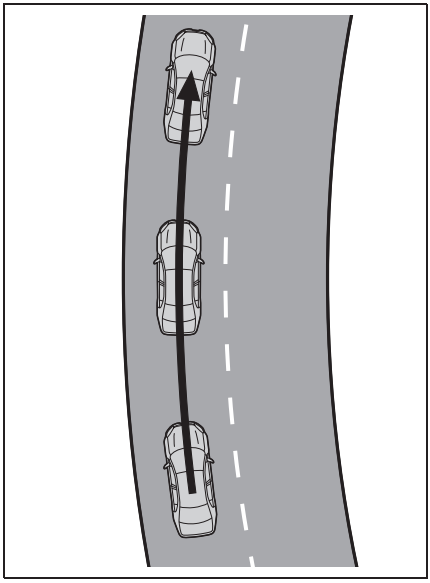
Use the this function only on highways and expressways.

If the dynamic radar cruise control is not operating, the function will not operate.

In situations where the lane lines are difficult to see or are not visible, such as when in a traffic jam, support will be provided using the path of preceding and surrounding vehicles.

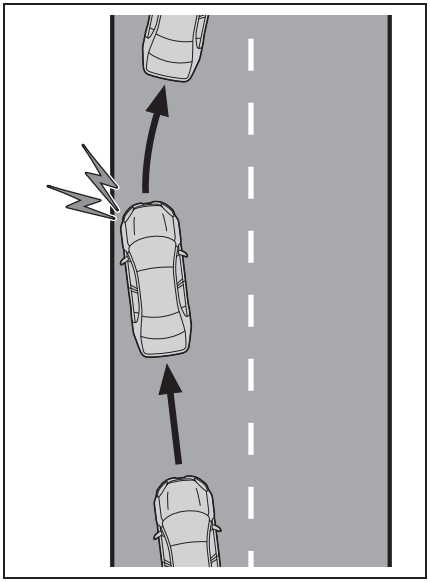
If the system determines that the steering wheel has not been operated for a certain amount of time or the steering wheel is not being firmly gripped, the driver will be alerted and this function will be temporarily canceled.

If the steering wheel is firmly gripped, the function will begin operating again.



- When the function is operating, if the vehicle is likely to depart from its lane, the driver will be alerted via a display and buzzer.

When the buzzer sounds, check the area around the vehicle and carefully operate the steering wheel to move the vehicle back to the center of the lane.



WARNING

■ Before using the LTA system

- Do not overly rely on the LTA system. The LTA system is not a system which provides automated assistance in driving and it is not a system which reduces the amount of attention necessary for safe driving. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety. Also, the driver is responsible for taking adequate breaks when fatigued, such as when driving for a long time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident.
- When not using the LTA system, turn it off using the LTA switch.

■ Operating conditions of function

This function is operable when all of the following conditions are met:

- The LTA system detects lane lines or the path of preceding or surrounding vehicles.
- The dynamic radar cruise control is operating.
- The lane width is approximately 3 to 4 m (10 to 13 ft.).
- The turn signal lever is not being operated.
- The vehicle is not being driven around a sharp curve.
- The vehicle is not accelerating or decelerating more than a certain amount.
- The steering wheel is not being turned with a large force.
- The hands off steering wheel warning (→P.214) is not operating.
- The vehicle is being driven in the center of a lane.

■ Temporary cancellation of functions

- When the operating conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function will automatically be restored. (→P.213)
- If the operating conditions of a function are no longer met while the function is operating, a buzzer may sound to indicate that the function has been temporarily canceled.
- The steering assist operation of the function can be overridden by the steering wheel operation of the driver.

■ Lane departure warning function when the LTA is operating

- Even if the LDA warning method is changed to vibration of the steering wheel, if the vehicle deviates from the lane while the LTA is operating, the warning buzzer will sound to alert the driver.
- If steering wheel operation equivalent to that necessary for a lane change is detected, the system will determine

the vehicle is not deviating from the lane and the warning will not operate.

■ **Hands off steering wheel warning operation**

- When the system determines the driver is not holding the steering wheel, a message urging the driver to grip the steering wheel and the icon shown in the illustration will be displayed on the multi-information display to warn the driver. If the system detects that the steering wheel is held, the warning will be canceled. When using the system, make sure to grip the steering wheel firmly, regardless of whether the warning is operating or not.

- If no operations are detected for a certain amount of time, the warning will operate and the function will be temporarily canceled. This warning may also operate if the driver only operates steering wheel a small amount continuously.

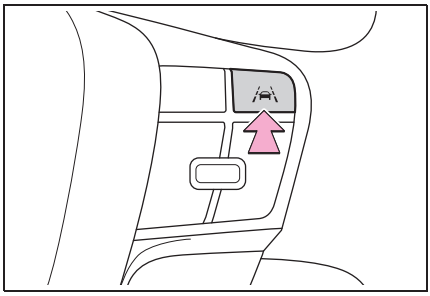
■ **Situations in which the hands off steering wheel warning may not operate properly**

- Depending on the condition of the vehicle,handle control condition and road surface, the warning function may not operate.

Enabling/disabling the system

The LTA will change between ON/OFF each time the LTA switch is pressed.

When the LTA is ON, the LTA indicator will illuminate.

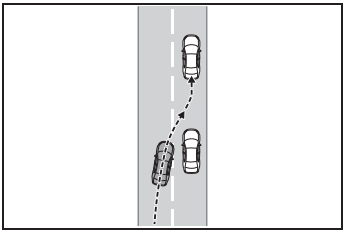


WARNING

■ **Situations in which the functions may not operate properly**

In the following situations, the functions may not operate properly and the vehicle may depart from its lane. Do not overly rely on these functions. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety.

- When a preceding or surrounding vehicle changes lanes (Your vehicle may follow the preceding or surrounding vehicle and also change lanes)



- When a preceding or surrounding vehicle is swaying (Your vehicle may sway accordingly and depart from the lane)
- When a preceding or surrounding vehicle departs from a lane (Your vehicle may follow the preceding or surrounding vehicle and also depart from the lane)

WARNING

- When a preceding or surrounding vehicle is being driven extremely close to the left/right lane line (Your vehicle may follow the preceding or surrounding vehicle accordingly and depart from the lane)
- When there are moving objects or structures in the surrounding area (Depending on the position of the moving object or structure relative to your vehicle, your vehicle may sway)
- When the vehicle is struck by a crosswind or the turbulence of other nearby vehicles
- Situations in which the sensors may not operate properly: →P.196
- Situations in which the lane may not be detected: →P.197
- When it is necessary to disable the system: →P.192

Operation display of steering wheel operation support

The operating state of the LTA system is indicated.

Indicator	Lane display	Steering icon	Situation
 White	 Gray/White	 Gray	LTA is on standby
 Green	 Green	 Green	LTA is operating
 Yellow Flashing	 Yellow Flashing	 Green	The vehicle is departing the lane toward the side which the lane display is flashing

LDA (Lane Departure Alert)

Basic functions

The LDA system warns the driver if the vehicle may deviate from the current lane or course*, and also can slightly operate the steering wheel to help avoid deviation from the lane or course*.

The front camera is used to detect lane lines or a course*.

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.

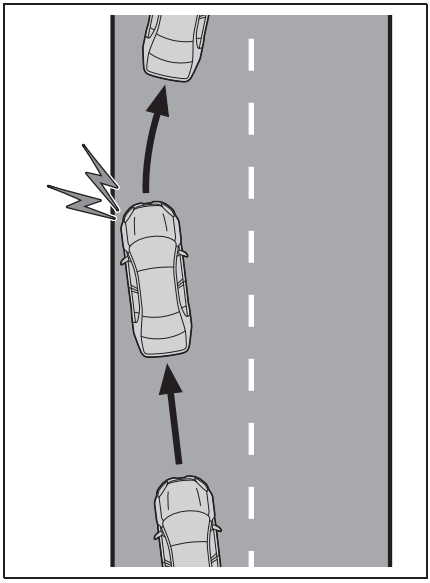
■ Lane departure alert function

When the system determines that the vehicle might depart from its lane or course*, a warning is displayed on a display, and either a warning buzzer will sound or the steering wheel will vibrate to alert the driver.

Check the area around your vehicle and carefully operate the steering wheel to move the vehicle back to the center of the lane or course*.

If the system determines that the vehicle may collide with a vehicle in an adjacent lane, the lane departure alert will operate even if the turn signals are operating.

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.



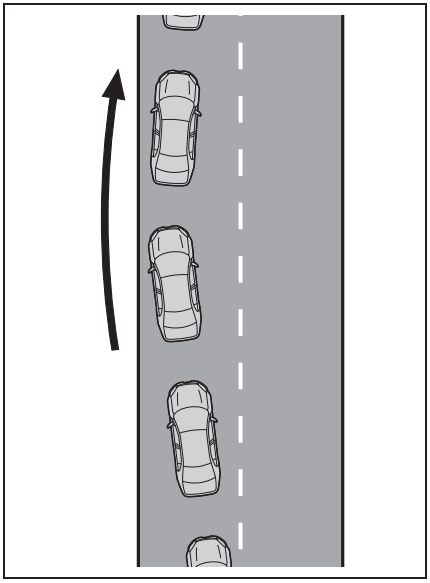
■ Lane departure prevention function

If the system determines that the vehicle is likely to depart from its lane or course*, it provides assistance through steering wheel operations to help avoid deviation from the lane or course.

If the system determines that the steering wheel has not been operated for a certain amount of time or the steering wheel is not being firmly gripped, a warning message may be displayed and a warning buzzer may sound to alert the driver.

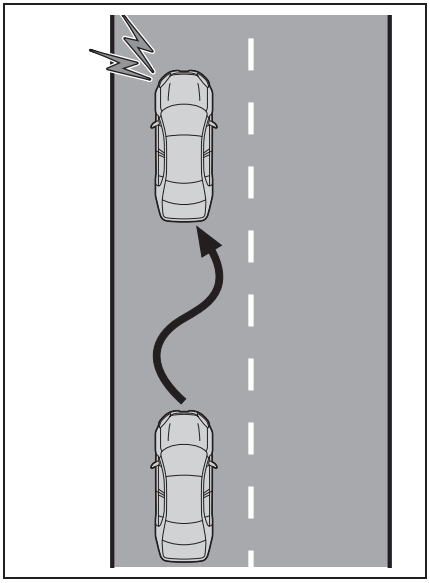
If the system determines that the vehicle may collide with a vehicle in an adjacent lane, the lane departure prevention function will operate even if the turn signals are operating.

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.



Break suggestion function

If the vehicle is swaying, a message will be displayed and a buzzer will sound to urge the driver to take a break.



WARNING

Before using the LDA system

- Do not overly rely on the LDA system. The LDA system is not a system which provides automated assistance in driving. However, as it is not a system which reduces the amount of attention necessary for safe driving. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety. Also, the driver is responsible for taking adequate breaks when fatigued, such as when driving for a long time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident.

Operating conditions of each function

- Lane departure alert/prevention function

This function is operable when all of the following conditions are met:

- The vehicle speed is approximately 50 km/h (30 mph) or more.

Operation may be possible when the vehicle speed is approximately 40 km/h (25 mph) or more if vehicles, motorcycles, bicycles, or pedestrians are detected near the lane.

- The system recognizes a lane or course*. (When recognized on only one side, the system will operate only for the recognized side.)
- The lane width is approximately 3 m (9.8 ft.) or more.
- The turn signal lever is not being operated.

(Except when a vehicle is detected in the direction that the turn signal lever is operated.)

- The vehicle is not being driven around a sharp curve.

- The vehicle is not accelerating or decelerating more than a certain amount.
- The steering wheel is not being turned sufficiently to perform a lane change.
- When the VSC or TRC system is not turned off

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.

Temporary cancellation of functions

When the operating conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function will automatically be restored. (→P.217)

Operation of the lane departure alert function/lane departure prevention function

- Depending on the vehicle speed, road conditions, lane departure angle, etc., operation of the lane departure prevention function may not be felt or the function may not operate.
- Depending on the conditions, the warning buzzer may operate even if vibration is selected through a customize setting.
- If a course* is not clear or straight, the lane departure alert function or lane departure prevention function may not operate.
- The lane departure alert function or lane departure prevention function may not operate if the system judges that the vehicle is intentionally being steered to avoid a pedestrian or parked vehicle.
- It may not be possible for the system to judge if there is danger of a collision with a vehicle in an adjacent lane.
- Depending on the driver condition, the lane departure alert function or lane departure prevention function changes the timing of operation.
- The steering assist operation of the lane departure prevention function can be overridden by the steering wheel operation of the driver.

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.

Hands off steering wheel warning operation

In the following situations, a message urging the driver to operate the steering wheel and an icon will be displayed and a buzzer will sound to warn the driver. When using the system, make sure to grip the steering wheel firmly, regardless of whether the warning is operating or not.

- When the system determines that the driver is not securely holding the steering wheel, or the steering wheel is not being operated when the steering assist operation of the lane departure prevention function is operating

The length of time that the warning buzzer operates will become longer as the frequency of the steering assist operating increases. Even if the system judges that the steering wheel has been operated, the warning buzzer will sound for a certain amount of time.

Break suggestion function

This function is operable when all of the following conditions are met:

- The vehicle speed is approximately 65km/h (40mph) or more.
- The lane width is approximately 3 m (9.8 ft.) or more.

Depending on the condition of the vehicle and road surface, the break sugges-

tion function may not operate.

Press the ⮌ steering switch to turn off the message.

Unless ⮌ is pressed, the message of the break suggestion function will remain displayed.

Changing LDA settings

- The LDA system can be enabled/disabled through a customize setting. (→P.410)
- The settings of the LDA can be changed on the customize settings. (→P.410)
- When the system determines that the driver is tired, the lane departure warning function will operate at the “Earlier” timing, regardless of the customized setting. Also, this setting will be kept until the power switch is turned off.

WARNING

■ Situations in which the system may not operate properly

In the following situations, the system may not operate properly and the vehicle may depart from its lane. Do not overly rely on these functions. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety.

- When the boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc. is not clear or straight
- When the vehicle is struck by a crosswind or the turbulence of other nearby vehicles
- Situations in which the lane may not be detected: →P.197
- Situations in which the sensors may not operate properly: →P.196
- Situations in which some or all of the functions of the system cannot operate: →P.198
- When it is necessary to disable the system: →P.192

Displays and system operation

The operating state of the lane departure alert function and steering assist operation of the lane departure prevention function are indicated.

Indicator	Lane display	Steering icon	Situation
 Yellow Illuminated	Not illuminated	Not illuminated	System disabled
Not illuminated	 Gray	Not illuminated	Lane lines are not detected by the system
Not illuminated	 White	Not illuminated	Lane lines are detected by the system
 Yellow Flashing	 Yellow Flashing	Not illuminated	Lane departure alert function is operating for the side which the lane display is flashing
 Green	 Green	 Green	Lane departure prevention function is operating for the side which the lane display is illuminated
 Yellow Flashing	 Yellow Flashing	 Green	Lane departure alert function/lane departure prevention function is operating for the side which the lane display is flashing

RSA (Road Sign Assist)

The RSA system detects specific road signs using the front camera and warns the driver via displays and buzzers.

WARNING

■ For safe use

- Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving.
- Do not rely solely upon the RSA. The RSA assists the driver by providing road sign information, but it is not a replacement for the driver's own vision and awareness. Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving.

■ Situations in which the RSA should not be used

- When it is necessary to disable the system: →P.192

■ Situations in which the system may not operate properly

- Situations in which the sensors may not operate properly: →P.196

Display Function

- When the front camera detects a sign, the sign will be displayed on the display.
- Multiple signs can be displayed.

Depending on the specifications of the vehicle, the number of displayed signs may be limited.

■ Operating conditions of sign display

Signs will be displayed when the following conditions are met:

- The system has detected a sign

In the following situations, a displayed sign may stop being displayed:

- When a new sign has not been detected for a certain distance
- When the system determines that the road being driven on has changed, such as after a left or right turn

■ Situations in which the display function may not operate properly

In the following situations, the RSA system may not operate properly and may not detect signs or may display the incorrect sign. However, this does not indicate a malfunction.

- When a sign is dirty, faded, tilted or bent
- When the contrast of an electronic sign is low
- When all or part of a sign is hidden by a tree, utility pole, etc.
- When a sign is detected by the front camera for a short amount of time
- When the driving state (turning, changing lanes, etc.) is judged incorrectly
- When a sign is immediately after a freeway junction or in an adjacent lane just before merging
- When stickers are attached to the rear of a preceding vehicle
- When a sign similar to a system compatible sign is detected as a system compatible sign
- When a speed limit sign for a frontage road is within detection range of the front camera
- When driving around a roundabout
- When a sign intended for trucks, etc. is detected

- When a sign has a supplemental sign (end point, day of week, time of day, etc.)
- When there is a sign within a traffic restricted area, such as a roadworks area

Notification function

In the following situations, the RSA system will output a warning to notify the driver.

- If the vehicle speed exceeds the speed warning threshold of the speed limit sign displayed on the display, the sign display will be emphasized and a buzzer will sound.

Operating conditions of the notification functions

- Excess speed notification function

This function will operate when the following condition is met:

- A speed limit road sign is recognized by the system.

Types of road signs supported

- The following types of road signs can be displayed.

However, non-standard or recently introduced traffic signs may not be displayed.

▶ Speed limit road signs*

	Speed limit

*: No speed limit information (--) is displayed when a speed limit sign is not available.

▶ Speed limit with supplemental mark*

	Time

*: Displayed simultaneously with a speed limit sign.

- Depending on the specifications of the vehicle, signs may be displayed overlapping.

	Duplicate display example

Changing RSA settings

The following settings of the RSA can be changed through customize settings. (→P.410)

Dynamic radar cruise control

This dynamic radar cruise control detects the presence of vehicles ahead, determines the current vehicle-to-vehicle distance, and operates to maintain a suitable distance from the vehicle ahead. The desired vehicle-to-vehicle distance can be set by operating the vehicle-to-vehicle distance switch.

Use the dynamic radar cruise control only on highways and expressways.

⚠ WARNING

■ For safe use

- Driving safely is solely the responsibility of the driver. Do not overly rely on this system, and pay careful attention to the surrounding conditions in order to ensure safe driving.
- The dynamic radar cruise control provides driving assistance to reduce the driver's burden. However, there are limitations to the assistance provided.

Read the following items carefully. Do not overly rely on this system and always drive carefully.

- Conditions under which the system may not operate correctly: →P.229

- Set the speed appropriately according to the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for confirming the set speed.
- Even if the system is operating correctly, the condition of a preceding vehicle as recognized by the driver and detected by the system may differ. Therefore, it is necessary for the driver to pay attention, assess risks, and ensure safety. Over-reliance on this system to drive the vehicle safely may lead to an accident resulting in death or serious injury.

■ Precautions for the driving assist systems

Observe the following precautions, as there are limitations to the assistance provided by the system. Over-reliance on this system may lead to an accident resulting in death or serious injury.

- Details of support provided for the driver's vision

The dynamic radar cruise control is only intended to help the driver in determining the distance between the driver's own vehicle and a designated preceding vehicle. It is not a system which allows for careless or inattentive driving, and is not a system which assists in poor visibility conditions.

The driver must pay attention to their surroundings,even when the vehicle stops.

- Details of support provided for the driver's judgement

The dynamic radar cruise control determines whether the distance between the driver's own vehicle and a designated preceding vehicle is within a set range. It is not capable of making any other type of judgement. Therefore, it is absolutely necessary for the driver to remain vigilant and to determine whether or not there is a possibility of danger.

WARNING

● Details of support provided for the driver's operation

The dynamic radar cruise control does not include functions which will prevent or avoid collisions with vehicles ahead of your vehicle. Therefore, if there is ever any possibility of danger, the driver must take immediate and direct control of the vehicle and act appropriately in order to ensure safety.

■ **Situations in which the dynamic radar cruise control should not be used**

Do not use the dynamic radar cruise control in the following situations. As the system will not be able to provide appropriate control, using it may lead to an accident resulting in death or serious injury.

● Roads where there are pedestrians, cyclists, etc.

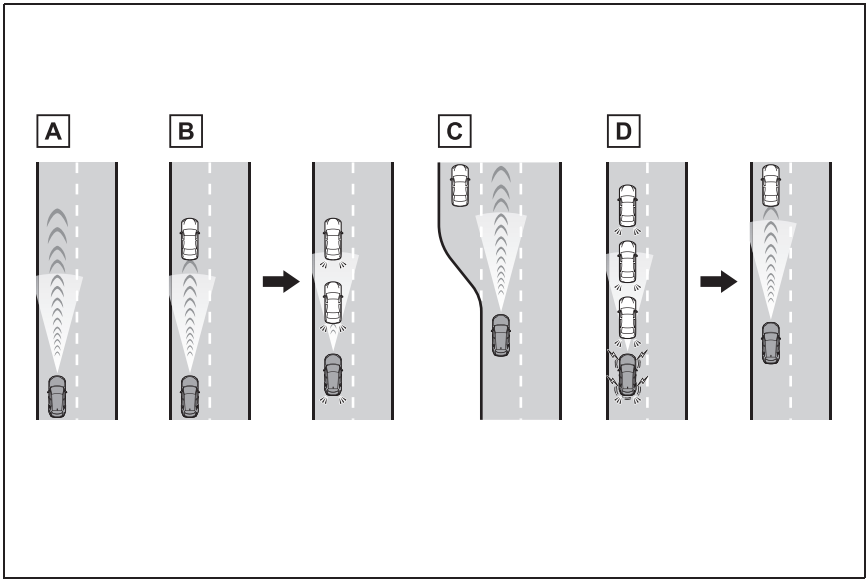
● When driving on a highway or expressway entrance or exit

● When the approach warning sounds frequently

● Situations in which the sensors may not operate properly: →P.229

● When it is necessary to disable the system: →P.192

Basic functions



A Constant speed cruising:

When there are no vehicles ahead

The vehicle drives at the speed set by the driver.
If the set vehicle speed is exceeded while driving down a hill, the set vehicle speed display will blink and a buzzer will sound.

B Deceleration and follow-up cruising:

When a preceding vehicle driving slower than the set vehicle speed is detected

When a vehicle is detected driving ahead of your vehicle, the vehicle automatically decelerates and if a greater reduction in vehicle speed is necessary, the brakes are applied (the stop lights will come on at this time). The vehicle is controlled to maintain the vehicle-to-vehicle distance set by the driver, in accordance with changes in the speed of the preceding vehicle. If vehicle deceleration is not sufficient and the vehicle approaches the vehicle ahead, the approach warning will sound.

C Acceleration:

When there are no longer any preceding vehicles driving slower than the set vehicle speed

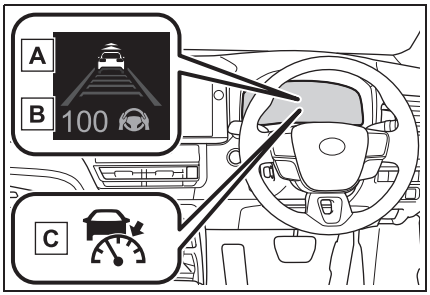
The vehicle accelerates until the set vehicle speed is reached and then resumes constant speed cruising.

D Starting off:

If a preceding vehicle stops, the vehicle will also stop (controlled stop). After the preceding vehicle starts off, pressing the “RES” switch or depressing the accelerator pedal will resume follow-up cruising (start off operation). If a start off operation is not performed, the controlled stop will continue.

System components

■ Meter display

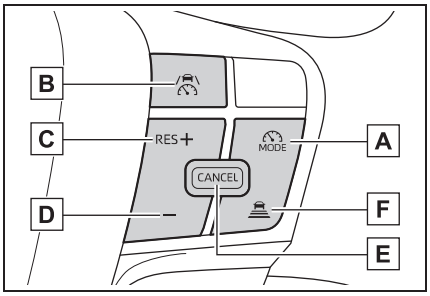


A Multi-information display

B Set vehicle speed

C Indicators

■ Switches



A Driving assist mode select switch

B Driving assist switch

C "+" switch/"RES" switch

D "-" switch

E Cancel switch

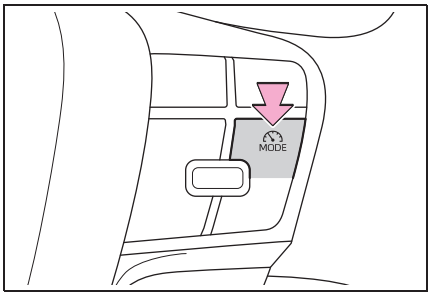
F Vehicle-to-vehicle distance switch

Using the dynamic radar cruise control

Setting the vehicle speed

1 Press the driving assist mode select switch to select Adaptive Cruise Mode.

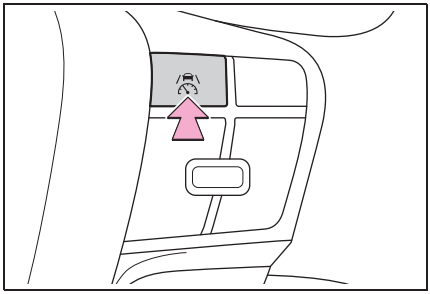
The dynamic radar cruise control indicator will illuminate.



2 Using the accelerator pedal, accelerate or decelerate to the desired vehicle speed (approximately 30 km/h [20 mph] or more), and press the driving assist switch to set the set vehicle speed.

The set vehicle speed will be displayed on the multi-information display.

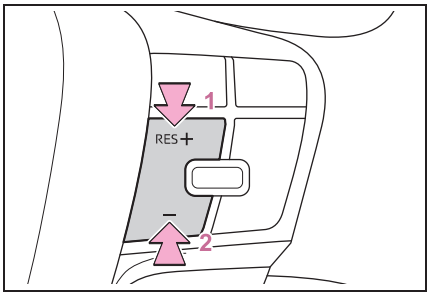
The vehicle speed at the moment the switch is released will be the set vehicle speed.



Adjusting the set vehicle speed

- Adjusting the set vehicle speed using the switches

To change the set vehicle speed, press the “+” switch or “-” switch until the desired speed is displayed.



1 Increase set vehicle speed

2 Decrease set vehicle speed

Short press adjustment: Press the switch

Long press adjustment: Press and hold the switch until the desired set vehicle speed is reached.

The set vehicle speed will increase or decrease as follows:

Short press adjustment: By 1 km/h (0.6 mph) or 1 mph (1.6 km/h) each time the switch is pressed

Long press adjustment: Increases or decreases in 5 km/h (3.1 mph) or 5 mph (8 km/h) increments continuously while the switch is pressed and held

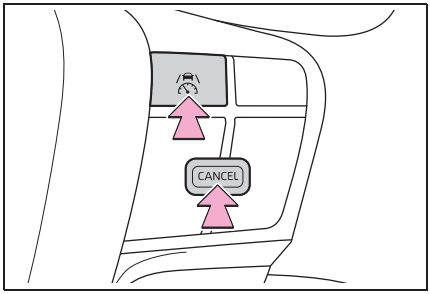
The set vehicle speed adjustment increment can be changed through a customize setting.

- Increasing the set vehicle speed using the accelerator pedal

1 Depress the accelerator pedal to accelerate the vehicle to the desired vehicle speed.

2 Press the “+” switch.

Canceling/resuming control



1 Press the cancel switch or driving assist switch to cancel control.

Control will also be canceled if the brake pedal is depressed.

(If the vehicle has been stopped by system control, depressing the brake pedal will not cancel control.)

2 Press the “RES” switch to resume control.

Changing the vehicle-to-vehicle distance

Each time the switch is pressed, the vehicle-to-vehicle distance setting will change as follows:

If a preceding vehicle is detected, the preceding vehicle mark will be displayed.

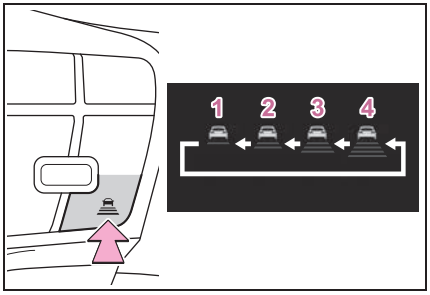


Illustration Number	Vehicle-to-vehicle distance	Approximate Distance (Vehicle Speed: 100 km/h [60 mph])
1	Short	Approximately 30 m (100 ft.)
2	Medium	Approximately 45 m (145 ft.)
3	Long	Approximately 60 m (200 ft.)
4	Extra long	Approximately 70 m (230 ft.)

The actual vehicle-to-vehicle distance varies in accordance with the vehicle speed. Also, when the vehicle is stopped by system control, it will be stopped at a certain distance from the preceding vehicle, depending on the situation, regardless of the setting.

■ Operating conditions

- The D shift position is selected.
- The desired set speed can be set when the vehicle speed is approximately 30 km/h (20 mph) or more.
  - If the vehicle speed is set while driving at below approximately 30 km/h (20 mph), the set vehicle speed will be approximately 30 km/h (20 mph).
  - If the vehicle speed is set while driving at a speed that exceeds the system's upper limit, the set vehicle speed will be the system's upper limit.

■ Accelerating after setting the vehicle speed

As with normal driving, acceleration can be performed by depressing the accelerator pedal. After accelerating, the vehicle will return to the set vehicle speed. However, while in vehicle-to-vehicle distance control mode, the vehicle speed may decrease to below the set vehicle speed in order to maintain the distance from the preceding vehicle.

■ When the vehicle is stopped by system control during follow-up cruising

- When the "RES" switch is pressed while the vehicle is stopped by system control, if the preceding vehicle starts off within approximately 3 seconds, follow-up cruising will resume.
- If the preceding vehicle starts off within approximately 3 seconds of the vehicle being stopped by system control, follow-up cruising will resume.

■ Automatic cancellation of vehicle-to-vehicle distance control mode

In the following situations, vehicle-to-vehicle distance control mode will be canceled automatically:

- When the brake control or output restriction control of a driving support system operates
  (For example: Pre-Collision System,

drive-start control)

- When the parking brake has been operated
- When the driver's seat belt is unfastened while driving
- When the Pre-Collision System is disabled
- When the vehicle is stopped by system control on a steep incline
- When any of the following are detected while the vehicle is stopped by system control:
  - The driver's seat belt is unfastened
  - The driver's door is opened
  - Approximately 3 minutes have elapsed since the vehicle was stopped

The parking brake may be actived automatically.

- Situations in which some or all of the functions of the system cannot operate: →P.198

■ Dynamic radar cruise control system warning messages and buzzers

For safe use: →P.192

■ Preceding vehicles that the sensor may not detect correctly

In the following situations, depending on the conditions, if the system cannot provide sufficient deceleration or acceleration is necessary, operate the brake pedal or accelerator pedal.

As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P.229) may not operate.

- When a vehicle cuts in front of your vehicle or changes lanes away from your vehicle extremely slowly or quickly
- When changing lanes
- When a preceding vehicle is driving at a low speed
- When a vehicle is stopped in the same lane as the vehicle
- When a motorcycle is traveling in the same lane as the vehicle

■ Conditions under which the system may not operate correctly

In the following situations, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

As the sensor may not be able to correctly detect a vehicle, the system may not operate properly.

- When a preceding vehicle brakes suddenly
- When changing lanes at low speeds, such as in a traffic jam

Approach warning

In situations where the vehicle approaches a preceding vehicle and the system cannot provide sufficient deceleration, such as if a vehicle cuts in front of the vehicle, a warning display will flash and a buzzer will sound to alert the driver. Depress the brake pedal to ensure appropriate vehicle-to-vehicle distance.

■ Warnings may not occur when

In the following situations, the warning may not operate even though the vehicle-to-vehicle distance is short.

- When the preceding vehicle is traveling at the same speed or faster than your vehicle
- When the preceding vehicle is traveling at an extremely low speed
- Immediately after the vehicle speed has been set

- When the accelerator pedal is depressed

Curve speed reduction function

When a curve is detected, the vehicle speed will begin being reduced. When the curve ends, the vehicle speed reduction will end.

Depending on the situation, the vehicle speed will then return to the set vehicle speed.

In situations where vehicle-to-vehicle distance control needs to operate, such as when a preceding vehicle cuts in front of your vehicle, the curve speed reduction function will be canceled.

Situations in which the curve speed reduction function may not operate

In situations such as the following, the curve speed reduction function may not operate:

- When the vehicle is being driven around a gentle curve
- When the accelerator pedal is being depressed
- When the vehicle is being driven around an extremely short curve

Driver Monitor support function

While a warning of the driver monitor is being displayed, the vehicle acceleration will be restrained.

When the warning of the driver monitor disappears, the restrained acceleration control will end.

Support for lane change

If your vehicle is being driven at approximately 80 km/h (50 mph) or more and a lane change to the passing lane is performed, when the turn signal lever is operated and the lane is changed, the vehicle will accelerate up to the set speed to assist in overtaking.

The system's recognition of which lane is the passing lane may be based solely on the location of the steering wheel in the vehicle (left-hand drive/right-hand drive). If the vehicle is driven in a location where the passing lane is on the opposite side of that where the vehicle was originally sold, the vehicle may accelerate when the turn signal lever is operated away from the passing lane. (e.g. The vehicle was manufactured for a right-hand traffic location, but is being driven in a left-hand traffic location. The vehicle may accelerate when the turn signal lever is operated to the right.)

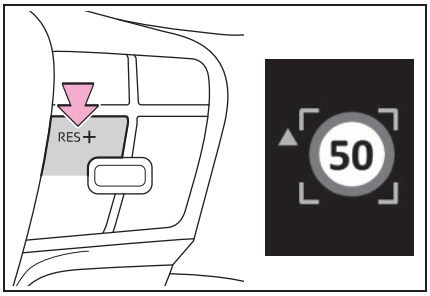
If your vehicle is being driven at approximately 80 km/h (50 mph) or more and the lane is changed to that with a vehicle traveling slower than your vehicle, when the turn

signal lever is operated the vehicle will gradually decelerate to assist in changing lanes.

Dynamic Radar Cruise Control with Road Sign Assist

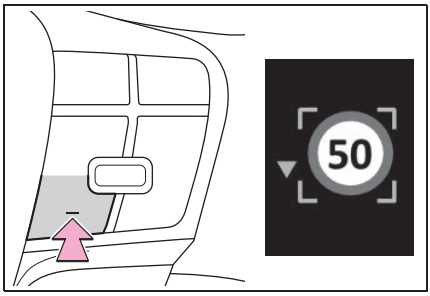
When RSA function is enabled and the dynamic radar cruise control system is operating, if a speed limit sign is detected, the detected speed limit will be displayed with an up/down arrow. The set speed can be increased/reduced to the detected speed limit by pressing and holding the "+" switch or "-" switch.

When the set speed is lower than the detected speed limit



Press and hold the "+" switch.

When the set speed is higher than the detected speed limit



Press and hold the "-" switch.

The dynamic radar cruise control with road sign assist may not operate properly when

As the dynamic radar cruise control with road sign assist may not operate properly in situations where the RSA may not operate or cannot detect signs correctly (→P.221), when using this function, make sure to confirm the actual speed limit.

In the following situations, the set speed may not change to the detected speed limit by pressing and holding the "+" switch or "-" switch:

- When speed limit information is not available
- When the detected speed limit is the same as the set speed
- When the detected speed limit is outside of the speed range which the dynamic radar cruise control system can operate

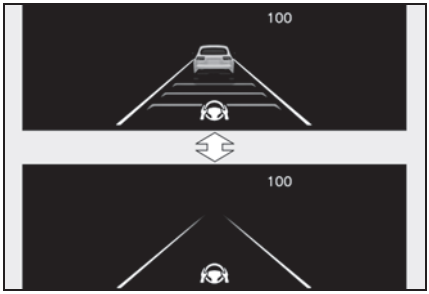
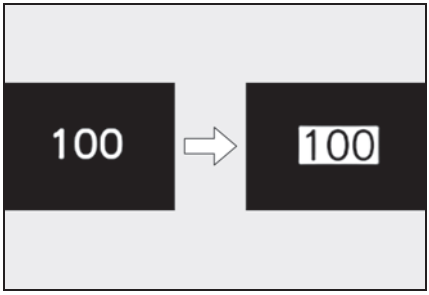
Changing Dynamic radar cruise control settings

- The settings of Dynamic radar cruise control can be changed through customize settings. (→P.410)

Display and system operation state

The operating state of Dynamic radar cruise control is indicated.

Indicator	Multi-information display		Situation
 White		Vehicle-to-vehicle distance setting: Gray	Dynamic radar cruise control being OFF
 Green		Vehicle-to-vehicle distance setting: Blue Set vehicle speed: Green	Constant speed cruising
 Green		Vehicle-to-vehicle distance setting: Blue Set vehicle speed: Green Preceding vehicle: White	Follow-up cruising

Indicator	Multi-information display		Situation
Green		Vehicle-to-vehicle distance setting: Orange flashing Set vehicle speed: Green Preceding vehicle: Orange flashing	Approach warning
Green		Vehicle-to-vehicle distance setting: Gray Set vehicle speed: White Preceding vehicle: Gray	Accelerating with the accelerator pedal
Green		Set vehicle speed: Green in reverse display	Set vehicle speed being exceeded
Green		Vehicle-to-vehicle distance setting: Gray Set vehicle speed: White Preceding vehicle: Gray	Vehicle in controlled stop

Cruise control (vehicles with Toyota Safety System)

The vehicle can be driven at a set speed even if the accelerator pedal is not depressed.

Use the cruise control only on highways and expressways.

WARNING

For safe use

- Driving safely is solely the responsibility of the driver.
  Therefore, do not overly rely on this system. The driver is solely responsible for paying attention to the vehicle's surroundings and driving safely.
- Set the speed appropriately according to the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for confirming the set speed.

Situations in which cruise control should not be used

Do not use the cruise control in the following situations. As the system will not be able to provide appropriate control, using it may lead to an accident resulting in death or serious injury.

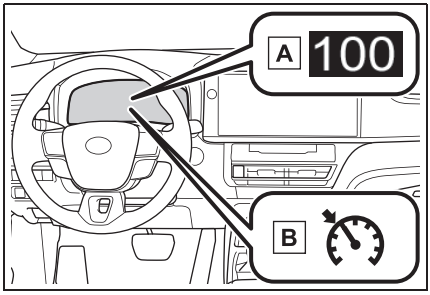
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients

Vehicle speed may exceed the set speed when driving down a steep hill.

- When it is necessary to disable the system: →P.192

System Components

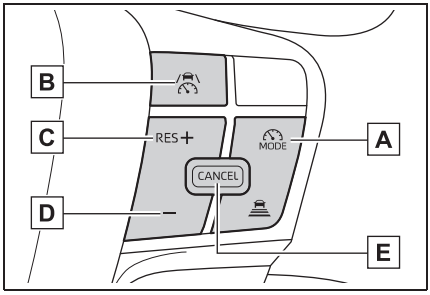
Meter display



A Set vehicle speed

B Cruise control indicator

Switches



A Driving assist mode select switch

B Driving assist switch

C "+" switch/"RES" switch

D "-" switch

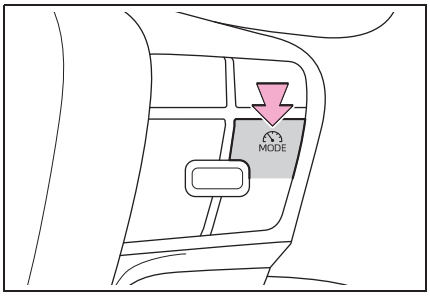
E Cancel switch

Using the cruise control

Setting the vehicle speed

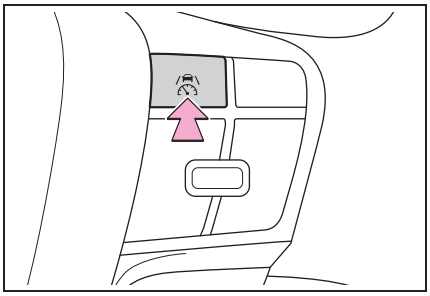
1 Press the driving assist mode select switch to select Cruise Control Mode.

The cruise control indicator will illuminate.



2 Using the accelerator pedal, accelerate to the desired vehicle speed (approximately 30 km/h [20 mph] or more), and press the driving assist switch to set the set vehicle speed.

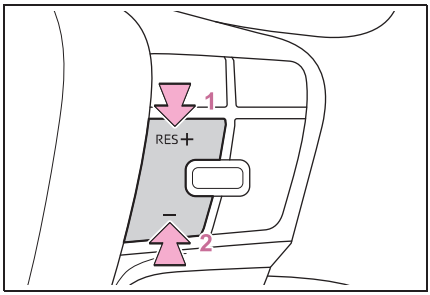
The vehicle speed at the moment the switch is released will be the set vehicle speed.



Adjusting the set vehicle speed

- Adjusting the set vehicle speed using the switches

To change the set vehicle speed, press the “+” switch or “-” switch until the desired speed is displayed.



1 Increase set vehicle speed

2 Decrease set vehicle speed

The set vehicle speed will increase or decrease as follows:

Fine adjustment: By 1 km/h (0.6 mph) or 1 mph (1.6 km/h) each time the switch is pressed

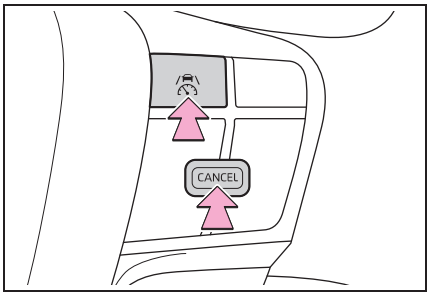
Large adjustment: Increases continuously while the switch is pressed and held

- Increasing the set vehicle speed using the accelerator pedal

1 Depress the accelerator pedal to accelerate the vehicle to the desired vehicle speed.

2 Press the “+” switch.

Canceling/resuming control



1 Press the cancel switch or driving assist switch to cancel control.

Control will also be canceled if the brake pedal is depressed.

2 Press the “RES” switch to resume control.

Automatic cancellation of the cruise control

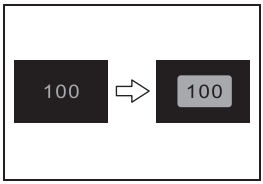
In the following situations, the cruise control will be canceled automatically:

- When the vehicle speed drops approximately 16 km/h (10 mph) or more below the set vehicle speed
- When the vehicle speed drops below approximately 30 km/h (20 mph)
- When the brake control or output restriction control of a driving support system operates (For example: PCS, drive-start control)
- When the parking brake has been operated
- When the driver’s seat belt is unfastened
- Situations in which some or all of the functions of the system cannot operate: →P.198

Display and system operation state

The operating state of cruise control is indicated.

Indicator	Multi-information display		Situation
 White		Blank	Cruise control being OFF

Indicator	Multi-information display		Situation
Green		Set vehicle speed: Green	Constant speed cruising
Green		Set vehicle speed: Green in reverse display	Set vehicle speed being exceeded

Emergency Driving Stop System

The emergency driving stop system is a system which automatically decelerates and stops the vehicle within its lane if the driver becomes unable to continue driving the vehicle, such as if they have suffered a medical emergency, etc.

During LTA (Lane Tracing Assist) control, if the system does not detect driving operations, such as if the driver is not holding the steering wheel, and determines the driver is not responsive, the vehicle will be decelerated and stopped within its current lane to help avoid a collision or reduce the impact of a collision.

WARNING

■ **For safe use**

- Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving. The emergency driving stop system is designed to provide support in an emergency where it is difficult for the driver to continue driving, such as if they have had a medical emergency. It is not designed to support driving while drowsy or in poor physical health, or inattentive driving.
- Although the emergency driving stop system is designed to decelerate the vehicle within its lane to help avoid or help reduce the impact of a collision if the system determines that it is difficult for the driver to continue driving, its effectiveness may change according to various conditions. Therefore, it may not always be able to achieve the same level of performance. Also, if the operating conditions are not met, this function will not operate.
- After the emergency driving stop system operates, if driving becomes possible again, immediately begin driving again or, if necessary, park the vehicle on the shoulder of the road and set a warning reflector and flare to warn other drivers of your stopped vehicle.
- After this system operates, passengers should attend to the driver as necessary and take appropriate hazard prevention measures, such as moving to a place where safety can be ensured, such as the shoulder of the road or behind a guardrail.
- This system detects the condition of the driver through the operation of the steering wheel. This system may operate if the driver is aware but intentionally and continuously does not operate the vehicle. Also, the system may not operate if it cannot determine that the driver is not responsive, such as if they are leaning on the steering wheel.
- Situations in which the driver monitor may not operate properly : →P.201

Summary of the system

Operation of this system is sepa-

rated into 4 control states. Through control state “Warning phase 1” and “Warning phase 2”, the system determines if the driver is aware and responsive while outputting a warning and controlling the vehicle speed. If the system determines the driver is not responsive, it will operate in control state “Deceleration stop phase” and “Stop hold phase” and decelerate and stop the vehicle. It will then operate continuously in “Stop hold phase”.

■ Operating conditions

This system operates when all of the following conditions are met:

- When the LTA is on
- When the vehicle speed is approximately 50 km/h (30 mph) or more

■ Operation cancelation conditions

In the following situations, system operation will be canceled:

- When LTA control has been canceled (the LTA switch has been pressed, etc.)
- When the dynamic radar cruise control has been canceled
- When driver operations are detected (the steering wheel is held, the brake pedal, accelerator pedal, parking brake, hazard light switch, or turn signal lever is operated)
- When the driving assist switch is pressed while in the stop and hold phase
- When the power switch has been turned from ON to off
- Situations in which some or all of the functions of the system cannot operate: →P.198

■ LTA control when operation is canceled

When emergency driving stop system operation is canceled, LTA control may also be canceled.

Warning phase 1

If driving operations are not detected after the hands off steering wheel warning operates, a buzzer will sound intermittently and a message will be displayed to warn the driver, and the system will judge if the driver is responsive or not. If driving operations, such as holding the steering wheel, are not performed within a certain amount of time, the system will enter warning phase 2.

Depending on the type of detection of the driver’s unresponsiveness, the system may skip warning phase 1 and start the control of warning phase 2.

Warning phase 2

After entering warning phase 2, a buzzer will sound in short intervals and a message will be displayed to warn the driver, and the vehicle will slowly decelerate. If driving operations, such as holding the steering wheel, are not performed within a certain amount of time, the system will determine that the driver is not responsive and enter the deceleration stop phase.

When the vehicle is decelerating, the

brake lights may illuminate, depending on the road conditions, etc.

After the vehicle has decelerated a certain amount, the emergency flashers (hazard lights) will flash.

Deceleration stop phase

After the driver is judged as being not responsive, a buzzer will sound continuously and a message will be displayed to warn the driver, and the vehicle will slowly decelerate and stop. While the vehicle is decelerating, the emergency flashers (hazard lights) will flash to warn other drivers of the emergency.

Stop hold phase

After the vehicle is stopped, the parking brake will be applied automatically. After entering the stop and hold phase, the buzzer will continue sounding continuously, the emergency flashers (hazard lights) will flash to warn other drivers of the emergency, and the doors will unlock.

■ Restricted functions after the operation is canceled

After shifting to the deceleration stop phase, the following functions will not be available until the hybrid system is re-started even though the emergency driving stop system is canceled:

- LTA

BSM (Blind Spot Monitor)

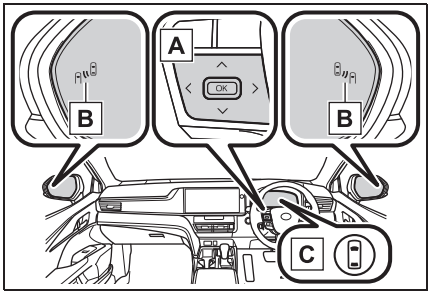
The Blind Spot Monitor is a system that uses rear side radar sensors installed on the inner side of the rear bumper on the left and right side to assist the driver in confirming safety when changing lanes.

WARNING

■ Cautions regarding the use of the system

- The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
- The Blind Spot Monitor is a supplementary function which alerts the driver that a vehicle is in a blind spot of the outside rear view mirrors or is approaching rapidly from behind into a blind spot. Do not overly rely on the Blind Spot Monitor. As the function cannot judge if it is safe to change lanes, over reliance could lead to an accident resulting in death or serious injury. As the system may not function correctly under certain conditions, the driver's own visual confirmation of safety is necessary.

System components



A Meter control switches

Turning the Blind Spot Monitor on/off.

B Outside rear view mirror indicators

When a vehicle is detected in a blind spot of the outside rear view mirrors or approaching rapidly from behind into a blind spot, the outside rear view mirror indicator (→P.72) on the detected side will illuminate. If the turn signal lever is operated toward the detected side, the outside rear view mirror indicator will flash and a buzzer will sound.

C Driving assist information indicator

Illuminates when the Blind Spot Monitor is turned off. At this time, a message will be displayed on the multi-information display.

■ Outside rear view mirror indicator visibility

In strong sunlight, the outside rear view mirror indicator may be difficult to see.

■ Buzzer

If the volume setting of the audio system is high or the surrounding area is loud, it may be difficult to hear the buzzer.

■ Customization

Some functions can be customized. (→P.410)

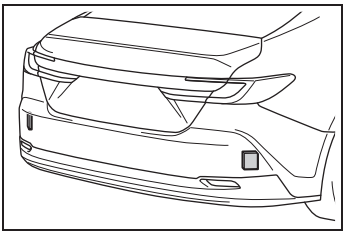
⚠ WARNING

■ To ensure the system can operate properly

Blind Spot Monitor sensors are installed behind the left and right sides of the rear bumper respectively. Observe the following to ensure the Blind Spot Monitor can operate correctly.

- Keep the sensors and the surrounding areas on the rear bumper clean at all times.

If a sensor or its surrounding area on the rear bumper is dirty or covered with snow, the Blind Spot Monitor may not operate and a warning message will be displayed. In this situation, clear off the dirt or snow and drive the vehicle with the operation conditions of the BSM function (→P.243) satisfied for approximately 10 minutes. If the warning message does not disappear, have the vehicle inspected by your Toyota dealer.



- Do not attach accessories, stickers (including transparent stickers), aluminum tape, etc. to a sensor or its surrounding area on the rear bumper.
- Do not paint the surrounding area of a sensor on the rear bumper.
- Do not subject a sensor or its surrounding area on the rear bumper to a strong impact.
  If a sensor is moved even slightly off position, the system may malfunction and vehicles may not be detected correctly.
  In the following situations, have your vehicle inspected by your Toyota dealer.
  - A sensor or its surrounding area is subject to a strong impact.
  - If the surrounding area of a sensor is scratched or dented, or part of them has become disconnected.

WARNING

- Do not disassemble the sensor.
- Do not modify the sensor or surrounding area on the rear bumper.
- If a sensor or the rear bumper needs to be removed/installed or replaced, contact your Toyota dealer.
- The sensors are likely to be affected by paint on the rear bumper. If the rear bumper is not repaired correctly, the Blind Spot Monitor may not operate with a warning message displayed. If any paint repair is needed, contact your Toyota dealer.

Turning the Blind Spot Monitor on/off

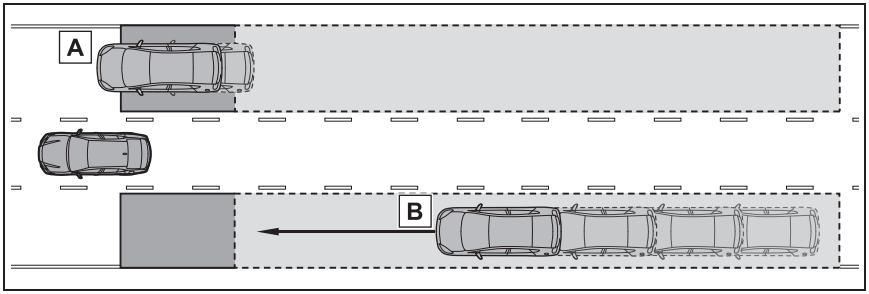
The Blind Spot Monitor can be enabled/disabled through a customize setting. (→P.410)

When the Blind Spot Monitor is off, the driving assist information indicator (→P.72) will illuminate and a message will be displayed on the multi-information display. Each time the power switch is turned to ON, the Blind Spot Monitor is enabled.

Blind Spot Monitor operation

Objects that can be detected while driving

The Blind Spot Monitor uses rear side radar sensors to detect the following vehicles traveling in adjacent lanes and advises the driver of the presence of such vehicles via the indicators on the outside rear view mirrors.

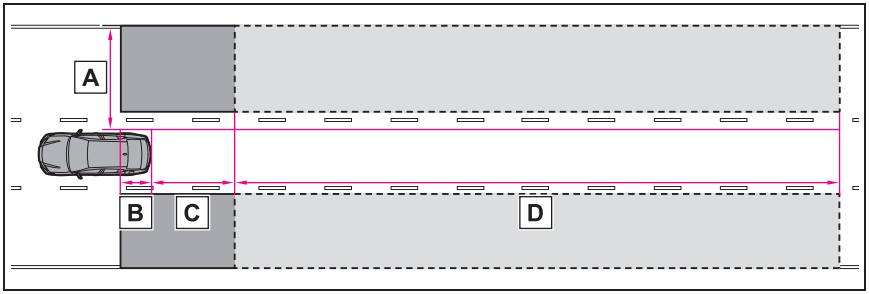


A Vehicles that are traveling in areas that are not visible using the outside rear view mirrors (the blind spots)

B Vehicles that are approaching rapidly from behind in areas that are not visible using the outside rear view mirrors (the blind spots)

Detection range while driving

The areas that vehicles can be detected in are outlined below.



The range of each detection area is:

A Approximately 0.5 m (1.6 ft.) to 3.5 m (11.5 ft.) from either side of the vehicle*1

B Approximately 1 m (3.3 ft.) forward of the rear bumper*2

C Approximately 3 m (9.8 ft.) from the rear bumper

D Approximately 3 m (9.8 ft.) to 70 m (230 ft.) from the rear bumper*3

*1: The area between the side of the vehicle and 0.5 m (1.6 ft.) from the side of the vehicle cannot be detected.

*2: While the vehicle is to being overtaken, up to approximately 3 m (9.8 ft.) forward of the rear bumper will be detected.

*3: The greater the difference in speed between your vehicle and the detected vehicle is, the farther away the vehicle will be detected, causing the outside rear view mirror indicator to illuminate or flash.

The Blind Spot Monitor linked function

The LDA (Lane Departure Alert) has a function that uses information of detected vehicles driving in an adjacent lane. For details about the function and its operating conditions, P.216.

The Blind Spot Monitor is operational when

The Blind Spot Monitor is operational when all of the following conditions are met:

- The power switch is in ON.
- The Blind Spot Monitor is on.
- The shift lever is in a position other than R.
- The vehicle speed is approximately 10 km/h (7 mph) or more.

The Blind Spot Monitor will detect a vehicle when

The Blind Spot Monitor will detect a vehicle present in the detection area in the following situations:

- A vehicle in an adjacent lane overtakes your vehicle.
- You overtake a vehicle in an adjacent lane slowly.
- Another vehicle enters the detection area when it changes lanes.

Situations in which the Blind Spot Monitor cannot detect vehicles

The Blind Spot Monitor cannot detect the following vehicles and other objects:

- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles traveling in the opposite

direction

- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Following vehicles that are in the same lane*
- Vehicles traveling 2 lanes away from your vehicle*
- Vehicles which are being overtaken rapidly by your vehicle*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

Conditions in which a buzzer may not sound

In situations such as the following, while the turn signal lever is being operated, the indicator will flash but a buzzer may not sound.

- When a second vehicle is detected while the turn signal lever is being held
- When overtaking a vehicle in the adjacent lane at a much higher speed than it*

*: Depending on the situations, a buzzer may sound.

Conditions under which the system may not function correctly

- The Blind Spot Monitor may not detect vehicles correctly in the following situations:
  - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
  - When mud, snow, ice, a sticker, etc. is covering the sensor or surrounding area on the rear bumper
  - When driving on a road surface that is wet with standing water during bad weather, such as heavy rain, snow, or fog
  - When multiple vehicles are approaching with only a small gap between each vehicle
  - When the distance between your vehicle and a following vehicle is short
  - When there is a significant difference in speed between your vehicle and the vehicle that enters the detection area
  - When the difference in speed between your vehicle and another vehicle is changing
  - When a vehicle enters a detection area traveling at about the same speed as your vehicle
  - As your vehicle starts from a stop, a vehicle remains in the detection area
  - When driving up and down consecutive steep inclines, such as hills, dips in the road, etc.
  - When driving on roads with sharp bends, consecutive curves, or uneven surfaces
  - When vehicle lanes are wide, or when driving on the edge of a lane, and the vehicle in an adjacent lane is far away from your vehicle
  - When an accessory (such as a bicycle carrier) is installed to the rear of the vehicle
  - When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
  - Immediately after the Blind Spot Monitor is turned on
  - When towing with the vehicle
- Instances of the Blind Spot Monitor unnecessarily detecting a vehicle and/or object may increase in the following situations:
  - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
  - When the distance between your vehicle and a guardrail, wall, etc. that enters the detection area is short
  - When driving up and down consecutive steep inclines, such as hills, dips in the road, etc.
  - When vehicle lanes are narrow, or when driving on the edge of a lane, and a vehicle traveling in a lane other than the adjacent lanes enters the detection area
  - When driving on roads with sharp

bends, consecutive curves, or uneven surfaces
- When the tires are slipping or spinning
- When the distance between your vehicle and a following vehicle is short
- When an accessory (such as a bicycle carrier) is installed to the rear of the vehicle
- When towing with the vehicle

Safe Exit Assist

The safe exit assist is a system that uses rear side radar sensors installed on the inner side of the rear bumper to help occupants judge if an approaching vehicle or bicycle may collide with a door when exiting, to help reduce the possibility of a collision.

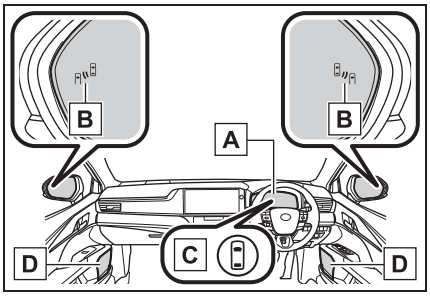
WARNING

■ Cautions regarding the use of the system

- The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
- The safe exit assist is a supplementary system that, when the vehicle is stopped, informs occupants of the existence of approaching vehicles and bicycles. As this system alone cannot be used to judge safety, over-reliance on this system may lead to an accident resulting in death or serious injury.

In certain situations, this system may not function to its fullest extent. Therefore it is necessary for the occupants to visually check for safety directly and using the mirrors.

System components



A Multi-information display

Turning the safe exit assist on/off.

If collision with a door is likely and the door is opened, the door will be displayed on the multi-information display. Also, if a door is opened when an outside rear view mirror indicator is illuminated, a buzzer will sound as a warning.

B Outside rear view mirror indicators

When a vehicle or bicycle which may collide with a door when opened is detected, the outside rear view mirror indicator (→P.72) on the detected side will illuminate. If the door on the detected side is opened, the outside rear view mirror indicator will blink.

C Driving assist information indicator

Illuminates when the safe exit assist is turned off. At this time, a message will be displayed on the multi-information display.

D Speakers

When the outside rear view mirror indicator blinks, the driver is informed through voice guidance that the system has operated. After the notification through voice guidance is made, no more voice guidance notifications will be made again until the door is fully closed.

Outside rear view mirror indicator visibility

In strong sunlight, the outside rear view mirror indicator may be difficult to see.

Buzzer

If the volume setting of the audio system is high or the surrounding area is loud, it may be difficult to hear the buzzer.

Voice notifications

In the following situations, voice notifications will not be output:

- When it is estimated that no occupants are on board*
- After opening a door and entering the vehicle, until the hybrid system is started
- When 3 minutes or more have elapsed since the hybrid system was stopped
- When the language setting of the Multimedia Display has been set to a language that does not support voice notifications
- When all of the doors have been locked from outside the vehicle
- When a door remains open for 1 minute or more after the hybrid system is stopped
- When the ACC mode (→P.410) has been enabled through a customize setting on the Multimedia Display and the hybrid system has been stopped
- When the parking assist volume setting on the Multimedia Display has been set to off

*: For each seating position, judgment is made based on the opening and closing of a door, before driving for ingress and after driving for egress.

■ **Customization**

Some functions can be customized. (→P.410)

WARNING

■ **To ensure the system can operate properly**

→P.240

Turning the Safe exit assist system ON/OFF

The safe exit assist system can be enabled/disabled through a customize setting. (→P.410)

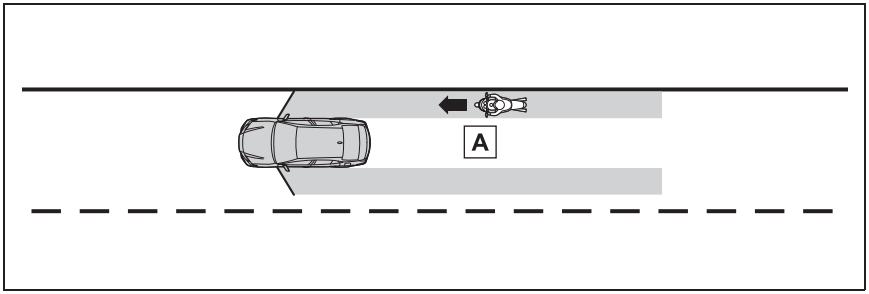
When the safe exit assist is off, the driving assist information indicator will illuminate and a message will be displayed on the multi-information display. Each time the power switch is turned to ON, the safe exit assist is enabled.*

*: When the power switch is turned off and then to ON immediately after that, the safe exit assist may not be enabled.

Safe exit assist operation

■ **Objects that can be detected by the safe exit assist**

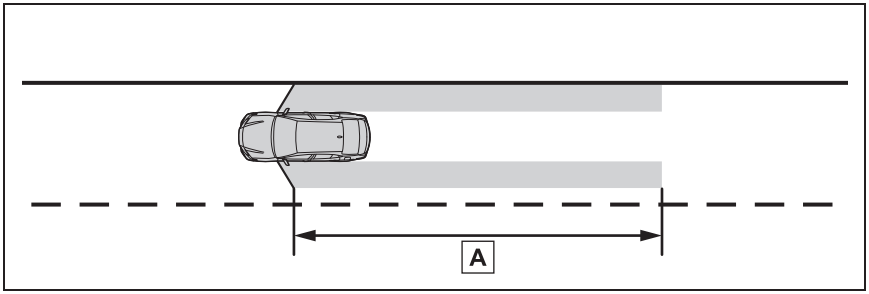
When the safe exit assist detects the following vehicles or bicycles behind your vehicle using a rear side radar sensor, the occupants of the vehicle are informed through an outside rear view mirror indicator, buzzer, multi-information display, and voice notification.



A Vehicle or bicycle which has a high possibility of colliding with a door when opened

■ **The safe exit assist detection areas**

The areas that vehicles can be detected in are outlined below.



A Approximately 45 m (145 ft.) rearward from the front door*

*: The faster a vehicle or bicycle is approaching, the distance at which an outside rear view mirror indicator will illuminate or blink will become further.

The safe exit assist is operational when

The safe exit assist is operational when all of the following conditions are met:

- When the power switch is ON, less than 3 minutes have elapsed since the hybrid system was off, or less than 3 minutes have elapsed since a door was opened and someone has entered the vehicle (the time which operation is possible may be extended if a door is opened and closed)
- Safe exit assist is on
- The vehicle is stopped.
- The shift lever is in a position other than R.

The safe exit assist will detect a vehicle when

The safe exit assist will detect a vehicle present in the detection area in the following situations:

- When the vehicle is stopped and a vehicle or bicycle, which is traveling parallel to the vehicle, is approaching within the area that a door opens

Conditions under which the system will not detect a vehicle

- Safe exit assist does not detect the following objects, vehicles, and bicycles:
  - Vehicles or bicycles which are approaching slowly*
  - Vehicles or bicycles which are determined to have a low possibility of colliding with a door when opened*
  - Vehicles or bicycles which are approaching from directly behind*
  - Vehicles or bicycles which are approaching from the front*
  - Guardrails, walls, signs, parked vehicles, and other stationary objects*
  - Pedestrians, animals, etc.*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

- In situations such as the following, safe exit assist will not operate:
  - When 3 minutes or more have elapsed since the hybrid system off (the time which operation is possible may be extended if a door is opened and closed)
  - When your vehicle is not completely stopped

Conditions under which the system may not function correctly

- The safe exit assist may not detect vehicles correctly in the following situations:
  - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
  - When mud, snow, ice, a sticker, etc. is

covering the sensor or surrounding area on the rear bumper
- When driving on a road surface that is wet with standing water during bad weather, such as heavy rain, snow, or fog
- When a vehicle or bicycle approaches from behind a nearby parked vehicle
- When an approaching vehicle or bicycle suddenly changes direction
- Immediately after a vehicle or bicycle starts moving
- When the trunk is open
- When a bicycle carrier, ramp, or other accessory is installed to the back of the vehicle
- When a parked vehicle, wall, sign, person or other stationary object is behind the vehicle
- When the vehicle is stopped at an angle to the road
- When a vehicle is traveling near an approaching vehicle or bicycle
- When an approaching vehicle or bicycle is traveling along a stationary object, such a wall or sign
- When a vehicle or bicycle is approaching at high speed
- When towing with the vehicle
- When stopped on a steep slope
- When stopped on a curve or at the exit of a curve

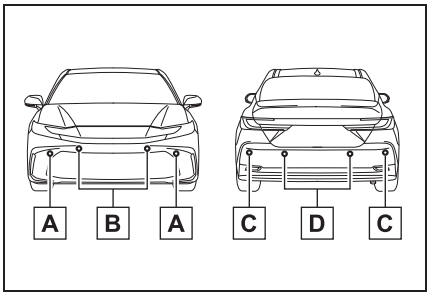
● Instances of the safe exit assist unnecessarily detecting a vehicle and/or object may increase in the following situations:
- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When a vehicle or bicycle approaches your vehicle from directly behind in an offset position
- When the vehicle is stopped at an angle to the road
- When a vehicle or bicycle approaches from behind a parked vehicle at an angle
- When a parked vehicle, wall, sign, person or other stationary object is behind the vehicle
- When an approaching vehicle or bicycle suddenly changes direction
- When an approaching vehicle or bicycle is traveling along a stationary object, such a wall or sign
- When the trunk is open
- When a bicycle carrier, ramp, or other accessory is installed to the back of the vehicle
- When a vehicle or bicycle is approaching at high speed
- When towing with the vehicle
- When stopped on a steep slope
- When stopped on a curve or at the exit of a curve
- When a vehicle or bicycle approaches from behind a vehicle stopped in an adjacent lane

Toyota parking assist-sensor

The Toyota parking assist-sensor function detects the approximate distance from the vehicle and an object such as a wall using ultrasonic sensors and informs the driver with the Multimedia Display distance display and buzzer.

System components

■ **Types of sensors**



A Front corner sensors

B Front center sensors

C Rear corner sensors

D Rear center sensors

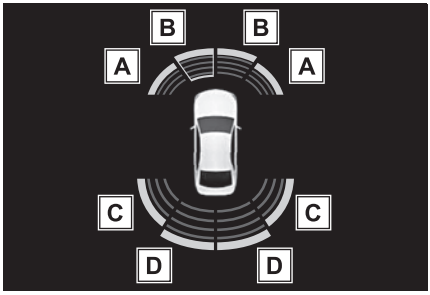
■ **Display**

When the sensors detect an object, such as a wall, a graphic is shown on the Multimedia Display depending on the position and distance to the object.

Vehicles without the Multimedia Display or rear camera: When detecting a stationary object, the Toyota parking assist-sensor detection indicator illuminates. (→P.72)

The illustration is an example for explanation and may differ depending on the specifications.

- Multimedia Display



A Front corner sensor detection

B Front center sensor detection

C Rear corner sensor detection

D Rear center sensor detection

Turning the Toyota parking assist-sensor function ON/OFF

The Toyota parking assist-sensor function can be enabled/disabled through a customize setting. (→P.410)

When the Toyota parking assist-sensor function is disabled, the Toyota parking assist-sensor OFF indicator (→P.72) illuminates on the multi-information display.

If the system switches to OFF (disabled) and the Toyota parking assist-sensor is stopped, the Toyota parking assist-sensor will

not be re-enabled until ON (enabled) is selected again from the customize setting. (→P.410)

(It remains off even if the power switch is turned to ON again after the power switch has been turned off.)

Vehicles without the Multimedia Display or rear camera: However, the system will automatically turn on (enabled) and the Toyota parking assist-sensor OFF indicator will turn off if the shift position is changed to R. When the shift position is R, the Toyota parking assist-sensor cannot be turned on or off. The setting of Toyota parking assist-sensor itself will not change.

WARNING

■ Cautions regarding the use of the system

There is a limit to the degree of recognition accuracy and control performance that this system can provide, do not overly rely on this system. The driver is always responsible for paying attention to the vehicle's surroundings and driving safely.

■ To ensure the system can operate properly

Make sure to observe the following precautions. The system may not operate properly and may lead to an unexpected accident. When these precautions cannot be observed, turn the system off.

- Do not damage the sensors, and always keep them clean.
- Do not attach a sticker or install an electronic component, such as a backlit license plate (especially fluorescent type), fog lights, fender pole or wireless antenna near a radar sensor.
- Do not subject the surrounding area of the sensor to a strong impact. If subjected to an impact, have the vehicle inspected by your Toyota dealer. If the front or rear bumper needs to be removed/installed or replaced, contact your Toyota dealer.
- Do not modify, disassemble or paint the sensors.
- Do not attach a license plate cover.
- Keep your tires properly inflated.
- Do not install a suspension other than a genuine suspension.

■ Notes when washing the vehicle

- When using a high pressure washer to wash the vehicle, do not spray the sensors directly, as doing so may cause a sensor to malfunction.
- When using steam to clean the vehicle, do not direct steam too close to the sensors, as doing so may cause a sensor to malfunction.

■ The system can be operated when

- The power switch is in ON.
- Toyota parking assist-sensor is on.
- The vehicle speed is less than about 10 km/h (6 mph).
- A shift position other than P is selected.
- Vehicles without the Multimedia Display or rear camera: The system will automatically turn on (enabled) and the Toyota parking assist-sensor OFF indicator will turn off if the shift position is changed to R.

The setting of Toyota parking assist-sensor itself will not change.

■ Sensor detection information

The sensor's detection areas are limited to the areas around the vehicle's front and rear bumpers.

- Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect an object.
- Objects may not be detected if they are too close to the sensor.
- There will be a short delay between object detection and display. Even at low speeds, there is a possibility that the object will come within the sensor's detection areas before the display is shown and the warning beep sounds.
- It might be difficult to hear the buzzer due to the volume of the audio system or air flow noise of the air conditioning system.
- It may be difficult to hear the sound of this system due to the buzzers of other systems.
- If the meter malfunctions, the buzzer may not sound.

■ Objects which the system may not be properly detected

The shape of the object may prevent the sensor from detecting it. Pay particular attention to the following objects:

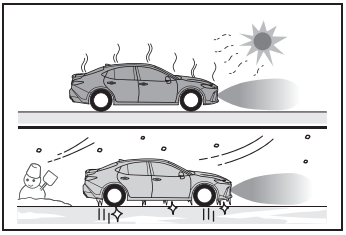
- Wires, fences, ropes, etc.
- Cotton, snow and other materials that absorb sound waves
- Sharply-angled objects
- Low objects
- Tall objects with upper sections projecting outwards in the direction of your vehicle

People may not be detected if they are wearing certain types of clothing.

■ Situations in which the system may not operate properly

Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect objects. Particular instances where this may occur are listed below.

- There is dirt, snow, water drops or ice on a sensor. (Cleaning the sensors will resolve this problem.)
- A sensor is frozen. (Thawing the area will resolve this problem.)
  In especially cold weather, if a sensor is frozen the sensor display may be displayed abnormally, or objects, such as a wall, may not be detected.
- When a sensor or the area around a sensor is extremely hot or cold.



- On an extremely bumpy road, on an incline, on gravel, or on grass.
- When vehicle horns, vehicle detectors, motorcycle engines, air brakes of large vehicles, the clearance sonar of other vehicles or other devices which produce ultrasonic waves are near the vehicle
- A sensor is coated with a sheet of spray or heavy rain.
- If objects draw too close to the sensor.
- When a pedestrian is wearing clothing that does not reflect ultrasonic waves (ex. skirts with gathers or frills).
- When objects that are not perpendicular to the ground, not perpendicular to the vehicle traveling direction, uneven, or waving are in the detection range.
- When strong winds are blowing
- When driving in inclement weather such as fog, snow or a sandstorm
- When an object that cannot be detected is between the vehicle and a

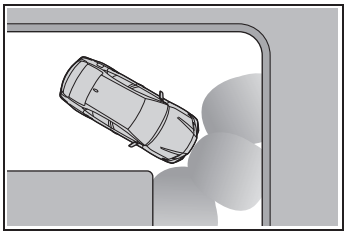
detected object

- If an object such as a vehicle, motorcycle, bicycle or pedestrian cuts in front of the vehicle or runs out from the side of the vehicle
- If the orientation of a sensor has been changed due to a collision or other impact
- When equipment such as a towing eyelet, transport hook, bumper protector, bumper trim, bicycle carrier or snow-removal device (snow plow) is installed near the sensor
- If the front of the vehicle is raised or lowered due to the carried load
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- When tire chains, compact spare tire or an emergency tire puncture repair kit are used
- When towing with the vehicle

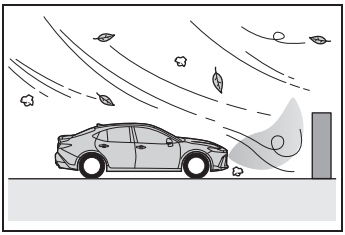
Situations in which the system may operate even if there is no possibility of a collision

In some situations, such as the following, the system may operate even though there is no possibility of a collision.

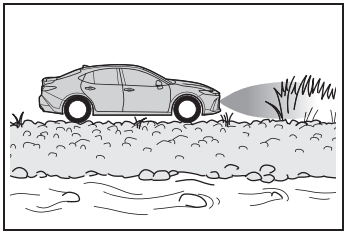
- When driving on a narrow road



- When driving toward a banner, flag, low-hanging branch or boom barrier (such as those used at railroad crossings, toll gates and parking lots)
- When there is a rut or hole in the surface of the road
- When driving on a metal cover (grating), such as those used for drainage ditches
- When driving up or down a steep slope
- If a sensor is hit by a large amount of water, such as when driving on a flooded road
- There is dirt, snow, water drops or ice on a sensor. (Cleaning the sensors will resolve this problem.)
- A sensor is coated with a sheet of spray or heavy rain
- When driving in inclement weather such as fog, snow or a sandstorm
- When strong winds are blowing



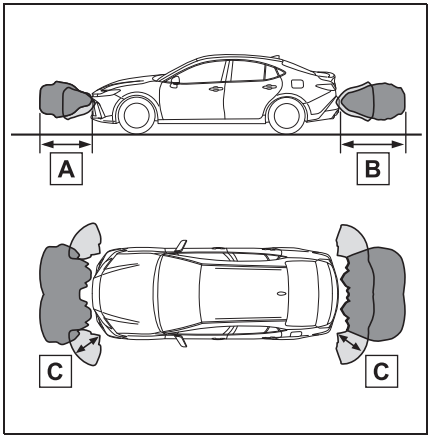
- When vehicle horns, vehicle detectors, motorcycle engines, air brakes of large vehicles, the clearance sonar of other vehicles or other devices which produce ultrasonic waves are near the vehicle
- If the front of the vehicle is raised or lowered due to the carried load
- If the orientation of a sensor has been changed due to a collision or other impact
- The vehicle is approaching a tall or curved curb
- Driving close to columns (H-shaped steel beams, etc.) in multi-story parking garages, construction sites, etc.
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- On an extremely bumpy road, on an incline, on gravel, or on grass



- When tire chains, compact spare tire or an emergency tire puncture repair kit are used
- When towing with the vehicle

Sensor detection display, object distance

■ Detection range of the sensors



A Approximately 100 cm (3.3 ft.)

B Approximately 150 cm (4.9 ft.)

C Approximately 60 cm (2.0 ft.)

The diagram shows the detection range of the sensors. Note that the sensors cannot detect objects that are extremely close to the vehicle.

The range of the sensors may change depending on the shape of the object, etc.

■ The distance and buzzer

Approximate distance to obstacle	Buzzer
Front sensor: Approximately 100 cm (3.3 ft.) to 60 cm (2.0 ft.)* Rear sensor: Approximately 150 cm (4.9 ft.) to 60 cm (2.0 ft.)*	Slow
Approximately 60 cm (2.0 ft.) to 45 cm (1.5 ft.)*	Medium
Approximately 45 cm (1.5 ft.) to 30 cm (1.0 ft.)*	Fast
Approximately less than 30 cm (1.0 ft.)	Continuous

*: Automatic buzzer mute function is enabled. (→P.255)

Toyota parking assist-sensor buzzer

A buzzer sounds when the sensors are operating.

- The buzzer beeps faster as the vehicle approaches a static object. When the vehicle comes within approximately 30 cm (1.0 ft.) of the object, the buzzer will sound continuously.
- When 2 or more sensors simultaneously detect a static object, the buzzer sounds for the nearest object.
- After a buzzer begins sounding, if the distance between the vehicle and the detected a static object does not become shorter, the buzzer will be muted automatically. (automatic buzzer mute function)

Adjusting the buzzer volume

The buzzer volume of the Toyota parking assist-sensor, RCTA, and RCD can all be changed at once from the customize settings. (→P.410)

Muting a buzzer

When the temporary mute switch is displayed on the Multimedia Display, this switch can be pressed to temporarily mute the buzzer.

Select the switch to mute a buzzer of the Toyota parking assist-sensor, RCTA, and RCD all together.

- Mute will be automatically canceled in the following situations:
  - When the shift position is changed.
  - When the vehicle speed exceeds a certain speed.
  - When there is a malfunction in a sensor or the system is temporarily unavailable.
  - When the operating function is disabled manually.
  - When the power switch is turned off.

RCTA (Rear Cross Traffic Alert) function

The RCTA function uses the BSM rear side radar sensors installed behind the rear bumper. This function is intended to assist the driver in checking areas that are not easily visible when backing up.

WARNING

■ Cautions regarding the use of the system

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

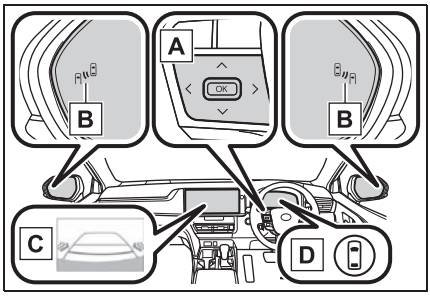
The RCTA function is only a supplementary function which alerts the driver that a vehicle is approaching from the right or left at the rear of the vehicle.As the RCTA function may not function correctly under certain conditions, the driver's own visual confirmation of safety is necessary.

Over reliance on this function may lead to an accident resulting death or serious injury.

■ To ensure the system can operate properly

→P.241

System components



A Meter control switches

Operate the meter control switches to enable/disable the RCTA function on the multi-information display.

B Outside rear view mirror indicators

If a vehicle is detected as approaching from the left or right behind the vehicle, both outside rear view mirror indicators (→P.72) will blink and a buzzer will sound.

C Multimedia Display

If a vehicle approaching from the right or left at the rear of the vehicle is detected, the RCTA icon (→P.257) for the detected side will be displayed on the Multimedia Display. This illustration* shows an example of a vehicle approaching from both sides of the vehicle.

D Driving assist information indicator

Illuminates when the RCTA is turned off. At this time, a message will be displayed on the multi-information display.

*: Depending on the vehicle grade and equipped options, the actual screen may be different from this illustration.

Turning the RCTA function on/off

The RCTA can be enabled/disabled through a customize setting. (→P.410)

When the RCTA function is off, the driving assist information indicator (→P.72) will illuminate and a message will be displayed on the multi-information display. Each time the power switch is turned to ON, the RCTA function is enabled.

■ Outside rear view mirror indicator visibility

In strong sunlight, the outside rear view mirror indicator may be difficult to see.

■ Hearing the RCTA buzzer

The RCTA buzzer may be difficult to hear over loud noises, such as if the audio system volume is high.

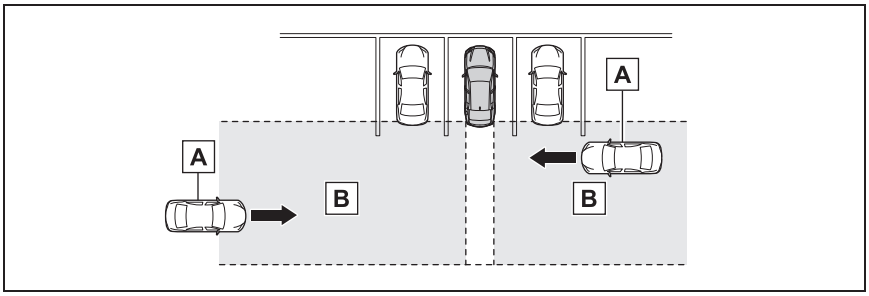
■ Rear side radar sensors

→P.241

RCTA function

■ Operation of the RCTA function

The RCTA function uses rear side radar sensors to detect vehicles approaching from the right or left at the rear of the vehicle and alerts the driver of the presence of such vehicles by flashing the outside rear view mirror indicators and sounding a buzzer.



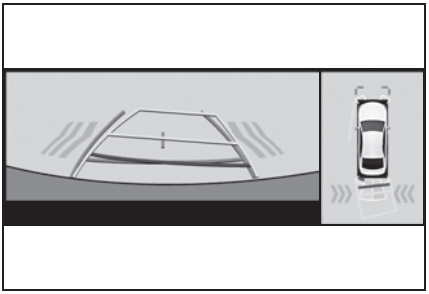
A Approaching vehicles

B Detection areas of approaching vehicles

■ RCTA icon display

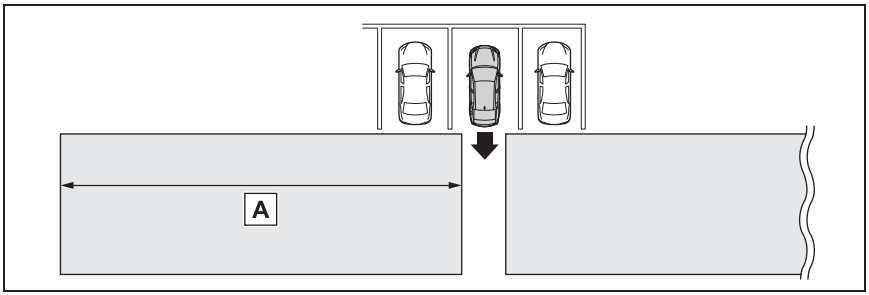
When a vehicle approaching from the right or left at the rear of the vehicle is detected, the following will be displayed on the Multimedia Display.

- Example: Vehicles are approaching from both sides of the vehicle



■ RCTA function detection areas

The areas that vehicles can be detected in are outlined below.



The buzzer can alert the driver of faster vehicles approaching from farther away.

Example:

Approaching vehicle speed	A Approximate alert distance
56 km/h (34 mph) (fast)	30 m (98 ft.)
8 km/h (5 mph) (slow)	4 m (13 ft.)

■ The RCTA function is operational when

The RCTA function operates when all of the following conditions are met:

- The power switch is in ON.
- The RCTA function is on.
- The shift position is in R.
- The vehicle speed is less than approximately 15 km/h (9 mph).
- The approaching vehicle speed is between approximately 8 km/h (5 mph) and 56 km/h (34 mph).

■ Setting the buzzer volume

The buzzer volume of the RCTA, Toyota parking assist-sensor, and RCD can be adjusted all together through a customize setting. (→P.410)

■ Muting a buzzer temporarily

When an object is detected, the temporary mute switch is displayed on the Multimedia Display.

Select the switch to mute the buzzer of the Toyota parking assist-sensor, RCTA, and RCD, all together.

Mute will be canceled automatically in the following situations:

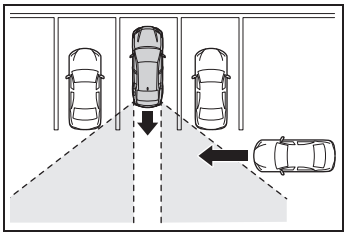
- When the shift position is changed.
- When the vehicle speed exceeds a certain speed.

- When there is a malfunction in a sensor or the system is temporarily unavailable.
- When the operating function is disabled manually.
- When the power switch is turned off.

Conditions under which the system will not detect a vehicle

The RCTA function is not designed to detect the following types of vehicles and/or objects:

- Vehicles approaching from directly behind
- Vehicles backing up in a parking space next to your vehicle
- Vehicles that the sensors cannot detect due to obstructions



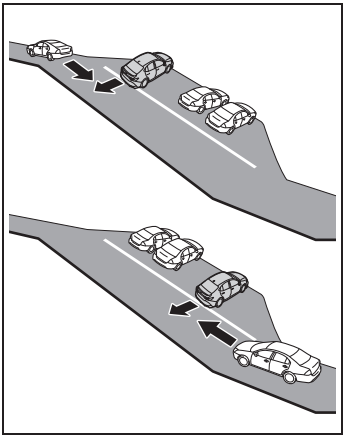
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*
- The distance between the sensor and approaching vehicle gets too close

*: Depending on the conditions, detection of a vehicle and/or object may occur.

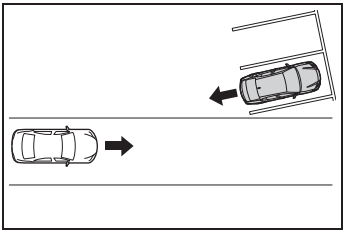
Situations in which the system may not operate properly

The RCTA function may not detect vehicles correctly in the following situations:

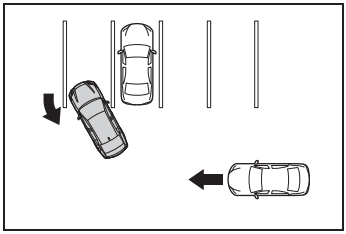
- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When mud, snow, ice, a sticker, etc., is covering the sensor or surrounding area on the position above the rear bumper
- When driving on a road surface that is wet with standing water during bad weather, such as heavy rain, snow, or fog
- When multiple vehicles are approaching with only a small gap between each vehicle
- When a vehicle is approaching at high speed
- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow
- When backing up on a slope with a sharp change in grade



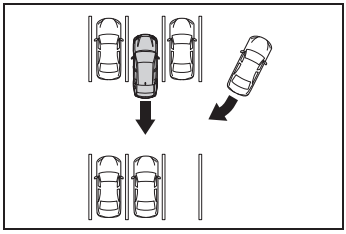
- When backing out of a sharp angle parking spot



- Immediately after the RCTA function is turned on
- Immediately after the hybrid system is started with the RCTA function on
- When the sensors cannot detect a vehicle due to obstructions
- When towing with the vehicle
- When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
- When a sensor or the area around a sensor is extremely hot or cold
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load
- When turning while backing up



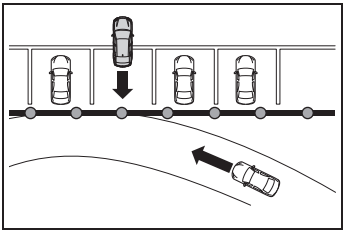
- When a vehicle turns into the detection area



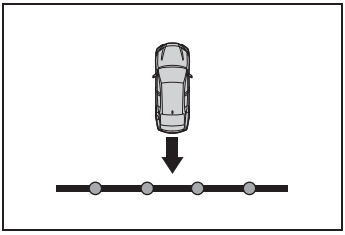
Situations in which the system may operate even if there is no possibility of a collision

Instances of the RCTA function unnecessary detecting a vehicle and/or object may increase in the following situations:

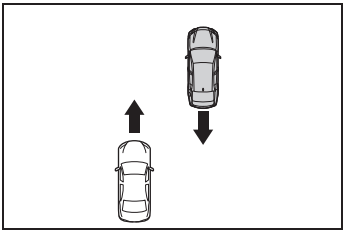
- When the parking space faces a street and vehicles are being driven on the street



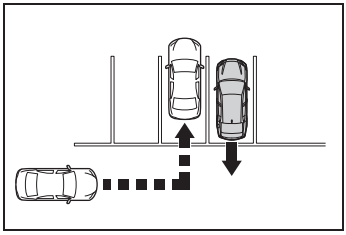
- When the distance between your vehicle and metal objects, such as a guardrail, wall, sign, or parked vehicle, which may reflect electrical waves toward the rear of the vehicle, is short



- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow
- When a vehicle passes by the side of your vehicle



- When a detected vehicle turns while approaching the vehicle



- When there are spinning objects near your vehicle such as the fan of an air conditioning unit
- When water is splashed or sprayed toward the rear bumper, such as from a sprinkler
- Moving objects (flags, exhaust fumes, large rain droplets or snowflakes, rain water on the road surface, etc.)
- When the distance between your vehicle and a guardrail, wall, etc., that enters the detection area is short
- Gratings and gutters
- When a sensor or the area around a sensor is extremely hot or cold
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load
- When towing with the vehicle

RCD (Rear Camera Detection)

When the vehicle is backing up, the rear camera detection function can detect pedestrians in the detection area behind the vehicle. If a pedestrian is detected, a buzzer will sound and an icon will be displayed on the Multimedia Display to inform the driver of the pedestrian.

WARNING

■ Cautions regarding the use of the system

The recognition and control capabilities for this system are limited.

The driver should always drive safely by always being responsible without over relying on the system and have a understanding of the surrounding situations.

■ To ensure the system can operate properly

Observe the following, otherwise there is the danger that could lead to an accident.

- Always clean the camera without damaging it.
- Do not install market electronic parts (such as illuminated license plate, fog lamps, etc.) in the camera vicinity.
- Do not subject the camera vicinity to strong impacts. If the vicinity is subjected to a strong impact, have the vehicle inspected by your Toyota dealer.
- Do not disassemble, remodel or paint the camera.

WARNING

- Do not attach accessories or stickers to the camera.
- Do not install market protection parts (bumper trim, etc.) to the rear bumper.
- Maintain suitable tire air pressure.
- Make sure the trunk is completely closed.

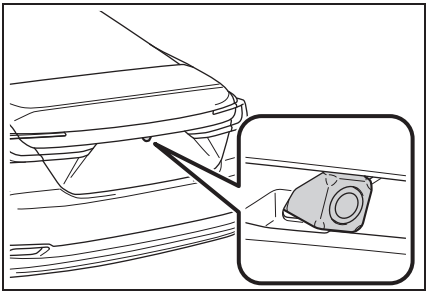
■ RCD function is turned off

In the following situations the system turns off. The RCD function may not operate properly and thus there is the danger that an accident may occur.

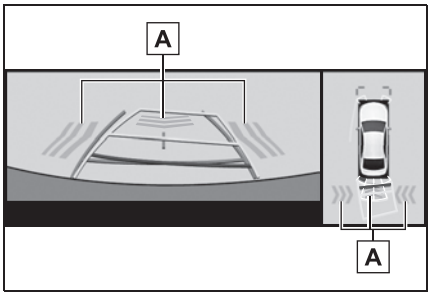
- The contents mentioned above are not observed.
- Suspensions other than the genuine parts are installed.

System component

Location of the rear camera



RCD display



A Pedestrian detection icon

Displayed automatically when a pedestrian is detected behind the vehicle.

Turning the RCD function on/off

The RCD function can be enabled/disabled through a customize setting. (→P.410)

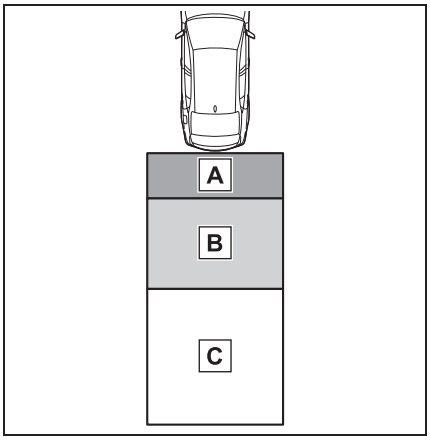
When the RCD function is disabled, the driving assist information indicator (→P.72) illuminates, and a message is displayed on the multi-information display.

Each time the power switch is turned off then changed to ON, the RCD function will be enabled automatically.

When a pedestrian is detected

If a pedestrian is in the area behind the vehicle or if the rear camera detected that a pedestrian is approaching the vehicle from behind, the system urges caution

from the driver by sounding the buzzer and displaying the detection of a pedestrian on the Multimedia Display as follows:



A If a pedestrian is detected in area A
Buzzer: Sounds repeatedly
Pedestrian detection icon: Blinks

B If a pedestrian is detected in area B
Buzzer (When the vehicle is stationary): Sounds 3 times
Buzzer (When the vehicle is backing up, when a pedestrian approaches the rear of the vehicle): Sounds repeatedly
Pedestrian detection icon: Blinks

C If the system determines that your vehicle may collide with a pedestrian in area C
Buzzer: Sounds repeatedly
Pedestrian detection icon: Blinks

■ The rear camera detection function is operational when

- The power switch is in ON.
- RCD function is on.
- The shift position is in R.

■ Setting the buzzer volume

The buzzer volume of the Toyota parking assist-sensor, RCTA, and RCD can all be changed at once from the customize settings. (→P.410)

■ Muting a buzzer temporarily

When an object is detected, the temporary mute switch is displayed on the Multimedia Display.

Select the switch to mute a buzzer of the Toyota parking assist-sensor, RCTA, and RCD all together.

Mute will be automatically canceled in the following situations:

- When the shift position is changed.
- When the vehicle speed exceeds a certain speed.
- When there is a malfunction in a sensor or the system is temporarily unavailable.
- When the operating function is disabled manually.
- When the power switch is turned off.

■ Situations in which the system may not operate properly

- Some pedestrians, such as the following, may not be detected by the rear camera detection function, preventing the function from operating properly:
  - Pedestrians who are bending forward or squatting
  - Pedestrians who are lying down
  - Pedestrians who are running
  - Pedestrians who suddenly appear from the shadow of the vehicle or a building
  - Pedestrians who are riding moving objects such as a bicycle or skateboard
  - Pedestrians wearing oversized cloth-

ing such as a rain coat, long skirt, etc., making their silhouette obscure
- Pedestrians whose body is partially hidden by an object, such as a cart or umbrella
- Pedestrians which are obscured by darkness, such as at night

● In some situations, such as the following, pedestrians may not be detected by the rear camera detection function, preventing the function from operating properly:
- When backing up in inclement weather (rain, snow, fog, etc.)
- The lens is dirty (by dirt or snow-melting agent, etc.) or scratched
- When a very bright light, such as the sun, or the headlights of another vehicle, shines directly into the rear camera
- When backing up in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a garage or underground parking lot
- When backing up in a dim environment such as during dusk or in an underground parking lot
- When the camera position and direction are deviated
- When a towing hook is attached
- When water droplets are flowing on the camera lens
- When the vehicle height is extremely changed (nose up, nose down, etc.)
- When tire chains or an emergency tire puncture repair kit are used
- When the suspension has been lowered or tires that have a different size than the genuine tires are installed
- When an aftermarket electronic part (backlit license plate, fog light, etc.) is installed near the rear camera
- If a bumper protector, such as an additional trim strip, is installed to the rear bumper
- When towing with the vehicle

■ Situations in which the system may operate unexpectedly

● Even though there are no pedestrians in the detection area, some objects, such as the following, may be detected, possibly causing the rear camera detection function to operate.
- Three dimensional objects, such as a pole, traffic cone, fence, or parked vehicle
- Moving objects, such as a car or motorcycle
- Objects moving toward your vehicle when backing up, such as flags or puddles (or airborne matter, such as smoke, steam, rain, or snow)
- Cobblestone or gravel roads, tram rails, road repairs, white lines, pedestrian crossings or fallen leaves on the road
- Metal covers (gratings), such as those used for drainage ditches
- Objects reflected in a puddle or on a wet road surface
- Shadows on the road

● In some situations, such as the following, the rear camera detection function may operate even though there are no pedestrians in the detection area.
- When backing up toward the roadside or a bump on the road
- When backing up toward an incline/decline
- When the vehicle height is extremely changed (nose up, nose down, etc.)
- When an aftermarket electronic part (backlit license plate, fog light, etc.) is installed near the rear camera
- If a bumper protector, such as an additional trim strip, is installed to the rear bumper
- If the orientation of the rear camera has been changed due to a collision or other impact, or removal and installation
- If a towing eyelet is installed to the rear of the vehicle
- When water is flowing over the rear camera lens
- The lens is dirty (by dirt or snow-melting agent, etc.)
- If there is a flashing light in the detection area, such as the emergency flashers of another vehicle
- When tire chains or an emergency tire

puncture repair kit are used
- When towing with the vehicle

● Situations in which the rear camera detection function may be difficult to notice
- The buzzer may be difficult to hear if the surrounding area is noisy or the audio system volume is high.
- If the temperature in the cabin is extremely high or low, the Multimedia Display may not operate correctly.

PKSB (Parking Support Brake)

The PKSB (Parking Support Brake) is a system that issues warnings and automatically performs braking to help reduce collision damage with operation targets that were detected when traveling at a low speed such as when parking.

PKSB (Parking Support Brake) system

The system has detected the following as operation targets. (The operation targets vary depending on the function.)

- Parking Support Brake function (static objects front and rear of the vehicle): →P.270
- Parking Support Brake function (moving vehicles rear of the vehicle): →P.272
- Parking Support Brake function (pedestrians rear of the vehicle): →P.274

WARNING

■ Cautions regarding the use of the system

Do not overly rely on the system, as doing so may lead to an accident. Always drive while checking the safety of the surroundings of the vehicle.

Depending on the vehicle and road conditions, weather, etc., the system may not operate.

The detection capabilities of sensors and radars are limited. Always drive while checking the safety of the surroundings of the vehicle.

- The driver is solely responsible for safe driving. Always drive carefully, taking care to observe your surroundings. The Parking Support Brake system is designed to provide support to lessen the severity of collisions. However, it may not operate in some situations.
- The Parking Support Brake system is not designed to stop the vehicle completely. Additionally, even if the system has stopped the vehicle, it is necessary to depress the brake pedal immediately as brake control will be canceled after approximately 2 seconds.
- It is extremely dangerous to check the system operations by intentionally driving the vehicle into the direction of a wall, etc. Never attempt such actions.

■ When to disable the Parking Support Brake

In the following situations, disable the Parking Support Brake as the system may operate even though there is no possibility of a collision.

- When inspecting the vehicle using a chassis roller, chassis dynamo or free roller
- When loading the vehicle onto a boat, truck or other transport vessel
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load
- When equipment such as a towing hook, transport hook, bumper protector, bumper trim, bicycle carrier or snow-removal device (snow plow) is installed near the sensor
- When using automatic car washing devices
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- When the vehicle is driven in a sporty manner or off-road
- When the tires are not properly inflated
- When the tires are very worn
- When tire chains, a compact spare tire or an emergency tire puncture repair kit are used.
- When towing with the vehicle

■ Precautions for the suspension

Do not modify the suspension of the vehicle. If the height or tilt of the vehicle is changed, the sensors may not be able to detect detectable objects and the system may not operate correctly, possibly leading to an accident.

Enabling/Disabling the Parking Support Brake

The Parking Support Brake function can be enabled/disabled through a customize setting. (→P.410)

When the PKSB (Parking Support Brake) is disabled, the driving assist information indicator (→P.72) illuminates, and a message is displayed on the multi-information display.

If the system switches to OFF (disabled) and the PKSB (Parking Support Brake) is stopped, the PKSB (Parking Support Brake) will not be re-enabled until ON (enabled) is selected again from the customize setting (→P.410).

(It remains off even if the power switch is turned to ON again after the power switch has been turned off.)

Display and buzzer for hybrid system output restriction control and brake control

If the hybrid system output restriction control or brake control operates, a buzzer will sound and a message will be displayed on the Multimedia Display and multi-information display, to alert the driver.

Depending on the situation, output restriction control operates to either limit acceleration or restrict output as much as possible.

- Hybrid system output restriction control is operating (acceleration restriction)

Acceleration greater than a certain amount is restricted by the system.

Multimedia Display: No warning displayed

Message example on the Multi-information display: “Object Detected Acceleration Reduced”

Driving assist information indicator: Not illuminated

Buzzer: Does not sound

- Hybrid system output restriction control is operating (output restricted as much as possible)

The system has determined that stronger-than-normal brake operation is necessary.

Multimedia Display (vehicles with panoramic view monitor): “BRAKE!”

Multi-information display: “BRAKE!”

Driving assist information indicator: Not illuminated

Buzzer: Short beep

- Brake control is operating

The system determined that emergency braking is necessary.

Multimedia Display (vehicles with panoramic view monitor): “BRAKE!”

Message example on the Multi-information display: “BRAKE!”

Driving assist information indicator: Not illuminated

Buzzer: Short beep

- Vehicle stopped by system operation

The vehicle has been stopped by brake control operation.

Multimedia Display (vehicles with panoramic view monitor): “Switch to Brake”

Multi-information display: “Accelerator Pedal is Pressed Press Brake Pedal”

If the accelerator pedal is not depressed, “Press brake Pedal” will be displayed.

Driving assist information indicator: Illuminated

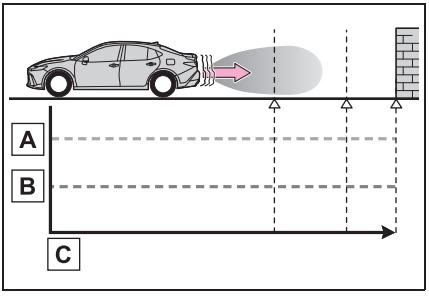
Buzzer: Sounds repeatedly

System overview

If the Parking Support Brake determines that a collision with a detected object or pedestrian is possible, the hybrid system output will be restricted to restrain any increase in the vehicle speed. (Hybrid system output restriction control: See figure 2 below.)

Additionally, if the accelerator pedal continues to be depressed, the brakes will be applied automatically to reduce the vehicle speed. (Brake control: See figure 3.)

- Figure 1: When the PKSB (Parking Support Brake) is not operating

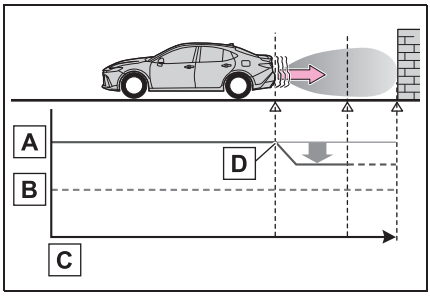


A Hybrid system output

B Braking force

C Time

- Figure 2: When hybrid system output restriction control operates



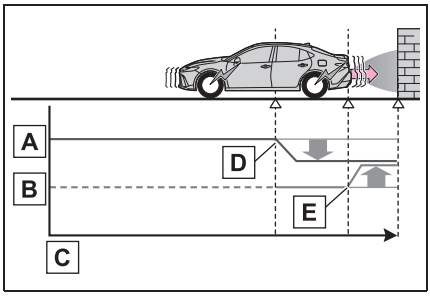
A Hybrid system output

B Braking force

C Time

D Hybrid system output restriction control begins operating (System determines that possibility of collision with detected object is high)

- Figure 3: When hybrid system output restriction control and brake control operates



A Hybrid system output

B Braking force

C Time

D Hybrid system output restriction control begins operating (System determines that possibility

of collision with detected object is high)

E Brake control begins operating (System determines that possibility of collision with detected object is extremely high)

If the Parking Support Brake has operated

If the vehicle is stopped due to operation of the Parking Support Brake, the Parking Support Brake will be disabled and the driving assist information indicator will illuminate.

In addition, even when the PKSB (Parking Support Brake) operates, the brake control is canceled after approximately 2 seconds to start off.

Furthermore, the brake control also can be canceled by depressing the brake pedal. Depressing the accelerator pedal again after that allows the vehicle to start off.

Re-enabling the Parking Support Brake

To re-enable the Parking Support Brake when it is disabled due to operation of the PKSB (Parking Support Brake), either enable the system again, or turn the power switch off and then back to ON.

Additionally, if any of the following conditions are met, the system will be re-enabled automatically and the driving assist information indicator will turn off (→P.72):

- The P shift position is selected
- Drive with no operation targets in the traveling direction of the vehicle
- Change the traveling direction of the vehicle

Buzzer

Regardless of whether the Toyota parking assist-sensor is enabled or not (→P.250), if the PKSB (Parking Support Brake) system is enabled (→P.266), the buzzer will sound to notify the driver of the approximate distance to the object when the brake control and the hybrid system output restriction control are operated.

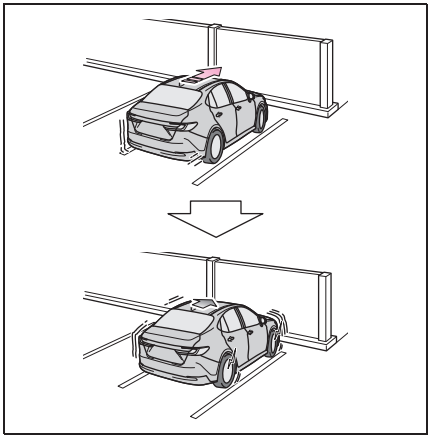
Parking Support Brake function (static objects front and rear of the vehicle)

If the sensors detect a static object, such as a wall, in the traveling direction of the vehicle and the system determines that a collision may occur due to the vehicle suddenly moving forward due to an accidental accelerator pedal operation, the vehicle moving the unintended direction due to the wrong shift position being selected, or while parking or traveling at low speeds, the system will operate to lessen the impact with the detected static object and reduce the resulting damage.

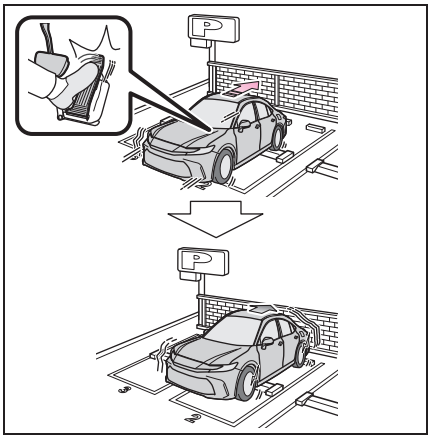
Examples of function operation (static objects front and rear of the vehicle)

This function will operate in situations such as the following if an object is detected in the traveling direction of the vehicle.

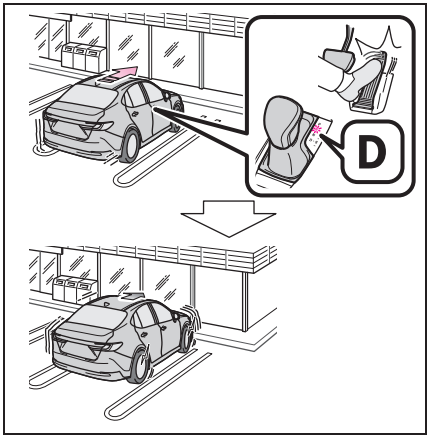
- When traveling at a low speed and the brake pedal is not depressed, or is depressed late



- When the accelerator pedal is depressed excessively



- When the vehicle moves forward due to the incorrect shift position being selected



Types of sensors

→P.250

WARNING

■ **To ensure the system can operate properly**

→P.251

■ **If the Parking Support Brake function operates unnecessarily, such as at a railroad crossing**

→P.269

■ **Notes when washing the vehicle**

→P.251

■ The Parking Support Brake function (static objects front and rear of the vehicle) will operate when

The function will operate when the driving assist information indicator is not illuminated (→P.71, 72) and all of the following conditions are met:

● Hybrid system output restriction control
- The Parking Support Brake is enabled.
- The vehicle speed is approximately 15 km/h (9 mph) or less.
- There is a static object in the traveling direction of the vehicle and approximately 2 to 4 m (6 to 13 ft.) away.
- The Parking Support Brake determines that a stronger-than-normal brake operation is necessary to avoid a collision.

● Brake control
- Hybrid system output restriction control is operating.
- The Parking Support Brake determines that an immediate brake operation is necessary to avoid a collision.

■ The Parking Support Brake function (static objects front and rear of the vehicle) will stop operating when

The function will stop operating if any of the following conditions are met:

● Hybrid system output restriction control
- The Parking Support Brake is disabled.
- The system determines that the collision has become avoidable with normal brake operation.
- The static object is no longer approximately 2 to 4 m (6 to 13 ft.) away from the vehicle or in the traveling direction of the vehicle.

● Brake control
- The Parking Support Brake is disabled.
- Approximately 2 seconds have elapsed since the vehicle was stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.
- The static object is no longer approximately 2 to 4 m (6 to 13 ft.) away from the vehicle or in the traveling direction of the vehicle.

■ Detection range of the Parking Support Brake function (static objects front and rear of the vehicle)

The detection range of the Parking Support Brake function (static objects front and rear of the vehicle) differs from the detection range of the Toyota parking assist-sensor (→P.254). Therefore, even if the Toyota parking assist-sensor

detects an object and provides a warning, the Parking Support Brake function (static objects front and rear of the vehicle) may not start operating.

■ **Situations in which the system may not operate properly**

→P.252

■ **Situations in which the system may operate even if there is no possibility of a collision**

→P.253

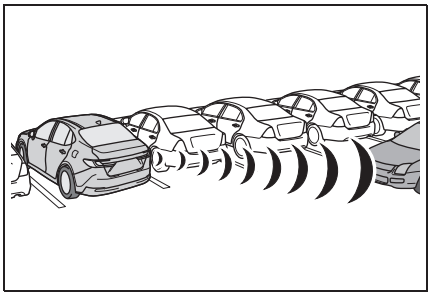
Parking Support Brake function (moving vehicles rear of the vehicle)

If a rear radar sensor detects a vehicle approaching from the right or left at the rear of the vehicle and the system determines that the possibility of a collision is high, this function will perform brake control to reduce the likelihood of an impact with the approaching vehicle.

Examples of the function operation

This function will operate in situations such as the following if a vehicle is detected in the traveling direction of the vehicle.

- When reversing, a vehicle is approaching and the brake pedal is not depressed, or is depressed late



Types of sensors

→P.241

WARNING

■ **To ensure the system can operate properly**

→P.241

■ The Parking Support Brake function (moving vehicles rear of the vehicle) will operate when

The function will operate when the driving assist information indicator is not illuminated (→P.71, 72) and all of the following conditions are met:

● Hybrid system output restriction control
- The Parking Support Brake is enabled.
- The vehicle speed is approximately 15 km/h (9 mph) or less.
- Vehicles are approaching from the right or left at the rear of the vehicle at a traveling speed of approximately 8 km/h (5 mph) or more.
- The shift position is in R.
- The Parking Support Brake determines that a stronger than normal brake operation is necessary to avoid a collision with an approaching vehicle.

● Brake control
- Hybrid system output restriction control is operating.
- The Parking Support Brake determined that an emergency brake operation was necessary to avoid a collision with a vehicle approaching from the rear.

■ The Parking Support Brake function (moving vehicles rear of the vehicle) will stop operating when

The function will stop operating if any of the following conditions are met:

● Hybrid system output restriction control
- The Parking Support Brake is disabled.
- The collision becomes avoidable with normal brake operation.
- A vehicle is no longer approaching from the right or left at the rear of the vehicle.

● Brake control
- The Parking Support Brake is disabled.
- Approximately 2 seconds have elapsed since the vehicle was stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.

■ Situations in which the system may not operate properly

→P.259

■ Situations in which the system may operate even if there is no possibility of a collision

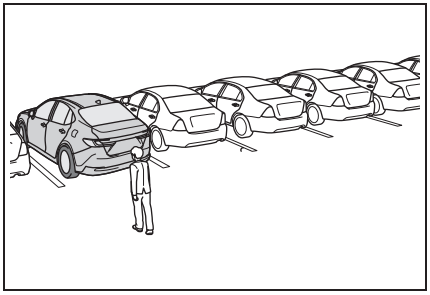
→P.260

Parking Support Brake function (pedestrians rear of the vehicle)

If the rear camera sensor detects a pedestrian behind the vehicle while backing up and the system determines that the possibility of colliding with the detected pedestrian is high, a buzzer will sound. If the system determines that the possibility of colliding with the detected pedestrian is extremely high, the brakes will be applied automatically to help reduce the impact of the collision.

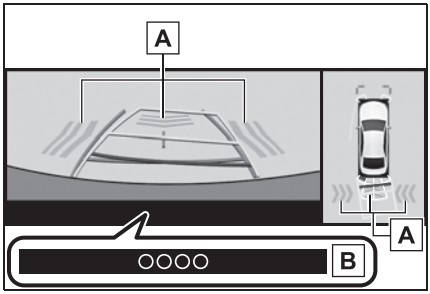
Examples of system operation

The system operates when an approaching pedestrian is detected behind the vehicle while backing up, and when the brake pedal is not depressed or is depressed late.



Screen display of pedestrians rear of the vehicle

Displays a message to urge the driver to take evasive action when a pedestrian is detected in the detection area behind the vehicle.



A Pedestrian detection icon

B “BRAKE!”

WARNING

■ If the Parking Support Brake function (pedestrians rear of the vehicle) operates unnecessarily

Depress the brake pedal immediately after the Parking Support Brake function (pedestrians rear of the vehicle) operates. (Operation of the function is canceled by depressing the brake pedal.)

■ Correct use of the Parking Support Brake function (pedestrians rear of the vehicle)

→P.261

■ The Parking Support Brake function (pedestrians rear of the vehicle) will operate when

The function will operate when the driving assist information indicator is not illuminated (→P.70, 360) and all of the following conditions are met:

● Hybrid system output restriction con-

trol
- The Parking Support Brake is enabled.
- The vehicle speed is 15 km/h (9 mph) or less.
- The shift position is in R.
- When a pedestrian is to the rear of the vehicle
- The PKSB (Parking Support Brake) determines that a stronger than-normal-brake operation is necessary to avoid a collision.

● Brake control
- Hybrid system output restriction control is operating.
- The Parking Support Brake determines that an emergency brake operation is necessary to avoid a collision with a pedestrian.

■ The Parking Support Brake function (pedestrians rear of the vehicle) will stop operating when

The function will stop operating if any of the following conditions are met:

● Hybrid system output restriction control
- The Parking Support Brake is disabled.
- The collision becomes avoidable with normal brake operation.
- The pedestrian is no longer detected behind your vehicle.

● Brake control
- The Parking Support Brake is disabled.
- Approximately 2 seconds have elapsed since the vehicle was stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.

■ Re-enabling the Parking Support Brake function (pedestrians rear of the vehicle)

→P.269

■ Detection area of the Parking Support Brake function (pedestrians rear of the vehicle)

The detection area of the Parking Support Brake function (pedestrians rear of the vehicle) differs from the detection area of the RCD function (→P.262). Therefore, even if the RCD function detects a pedestrian and provides an alert, the Parking Support Brake function (pedestrians rear of the vehicle) may not start operating.

■ Situations in which the system may not operate properly

→P.263

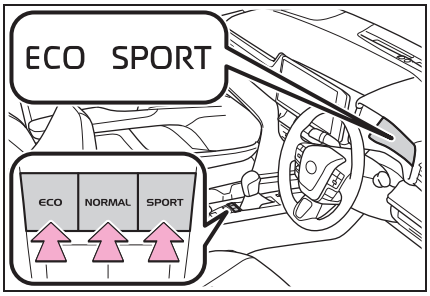
■ Situations in which the system may operate unexpectedly

→P.264

Driving mode select switch

The driving modes can be selected to suit driving condition.

Selecting a drive mode



Each time the switch is pressed, the system changes between sport mode, normal mode and eco drive mode.

- Normal mode

Provides an optimal balance of fuel economy, quietness, and dynamic performance. Suitable for normal driving.

- Eco drive mode

Helps the driver accelerate in an eco-friendly manner and improve fuel economy through moderate throttle characteristics and by controlling the operation of the air conditioning system (heating/cooling).

When the eco drive mode is selected, eco drive mode indicator comes on.

- Sport mode*

Controls the hybrid system so that the engine is operated continually at higher rpm, enabling a quicker and more powerful acceleration. Together with distinctive steering feel attained, this mode makes it suitable for when agile driving response is desired, such as when driving on roads with many curves.

When the sport mode is selected, sport mode indicator will comes on.

*: For improved fuel economy and reduced noise, use normal mode/eco drive mode for usual driving.

■ When a driving mode other than normal mode is selected

In each driving mode selected, optimum control to realize intended vehicle performance will be activated. Unless fuel-efficient driving mode is selected, sufficient fuel efficiency as compared with that in normal mode may not be provided.

■ Operation of the air conditioning system in eco drive mode

Eco drive mode controls the heating/cooling operations and fan speed of the air conditioning system to enhance fuel efficiency. To improve air conditioning performance, perform the following operations:

- Turn off air conditioning eco mode (→P.290)
- Adjust the fan speed (→P.289)
- Turn off eco drive mode

■ Display of the multi-information display according to selected driving mode (vehicles with 12.3-inch display)

According to the driving mode selected, the gauges displayed on the multi-information display may change.

■ Automatic deactivation of sport mode

If the power switch is turned off after driving in sport mode, the drive mode will be changed to normal mode.

Driving assist systems

To keep 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.

Summary of the driving assist systems

■ ECB (Electronically Controlled Brake System)

The electronically controlled system generates braking force corresponding to the brake operation

■ ABS (Anti-lock Brake System)

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

■ Brake assist

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

■ VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces.
Provides cooperative control of the ABS, TRC, VSC and EPS.
Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

■ TRC (Traction Control)

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

■ Hill-start assist control

Helps to reduce the backward movement of the vehicle when starting on an uphill

■ EPS (Electric Power Steering)

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

■ Emergency brake signal

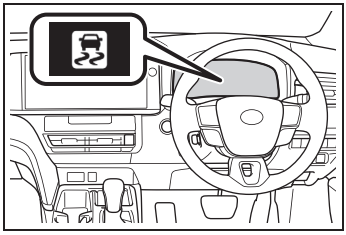
When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehicle behind.

■ The Secondary Collision Brake

When the SRS airbag sensor detects a collision and the system operates, the brakes and brake lights are automatically controlled to reduce the vehicle speed and help reduce the possibility of further damage due to a secondary collision.

■ When the TRC/VSC/ABS systems are operating

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



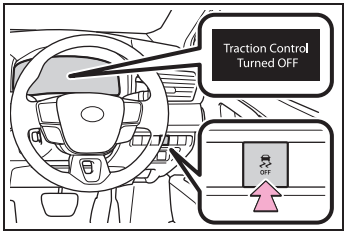
Disabling the TRC system

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

To turn the TRC system off, quickly press and release OFF.

The “Traction Control Turned OFF” will be shown on the multi-information display.

Press OFF again to turn the system back on.



Turning off both TRC and VSC systems

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

The VSC OFF indicator light will come on and the “Traction Control Turned OFF” will be shown on the multi-information display.*

Press OFF again to turn the system back on.

*: PCS will also be disabled (only Pre-Collision warning is available). The PCS warning light will come on and a message will be displayed on the multi-information display. (→P.202)

When the message is displayed on the multi-information display showing that TRC has been disabled even if OFF has not been pressed

TRC is temporary deactivated. If the information continues to show, contact your Toyota dealer.

Operating conditions of hill-start assist control

When all of the following conditions are met, the hill-start assist control will operate:

- The shift lever is in a position other than P or N (when starting off forward/backward on an upward incline)
- The vehicle is stopped
- The accelerator pedal is not depressed
- The parking brake is not engaged
- The power switch is in ON

Automatic system cancelation of hill-start assist control

The hill-start assist control will turn off in any of the following situations:

- The shift lever is shifted to P or N
- The accelerator pedal is depressed
- The brake pedal is depressed and the parking brake is engaged
- A maximum of 2 seconds have elapsed after the brake pedal is released
- The power switch is turned to OFF

Sounds and vibrations caused by the ABS, brake assist, VSC, TRC and hill-start assist control systems

- A sound may be heard from the

engine compartment when the brake pedal is depressed repeatedly, when the hybrid system 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 also after the vehicle comes to a stop.

ECB operating sound

ECB operating sound may be heard in the following cases, but it does not indicate that a malfunction has occurred.

- Operating sound heard from the engine compartment when the brake pedal is operated.
- Motor sound of the brake system heard from the front part of the vehicle when the driver's door is opened.
- Operating sound heard from the engine compartment when one or two minutes passed after the stop of the hybrid system.

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

- When the power switch is turned off
- If only the TRC system is turned off, the TRC will turn on when vehicle speed increases

If both the TRC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases.

Reduced effectiveness of the EPS system

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

Operating conditions of emergency brake signal

When the following conditions are met, the emergency brake signal will operates:

- The emergency flashers are off
- Actual vehicle speed is over 55 km/h (35 mph)
- The system judges from the vehicle deceleration that it is a sudden braking operation.

Automatic system cancelation of emergency brake signal

The emergency brake signal will be canceled in any of the following situations:

- The emergency flashers are turned on.
- The system judges from the vehicle deceleration that is not a sudden braking operation

Secondary Collision Brake operating conditions

The system operates when the SRS airbag sensor detects a collision while the vehicle is in motion.

However, the system does not operate when the components are damaged.

Secondary Collision Brake automatic cancellation

The system is automatically canceled in any of the following situations.

- The vehicle speed drops to approximately 0 km/h (0 mph).
- A certain amount of time elapses during operation
- The accelerator pedal is depressed a large amount

WARNING

■ The ABS does not operate effectively when

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

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

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

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

■ TRC/VSC may not operate effectively when

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

■ Hill-start assist control does not operate effectively when

- Do not overly rely on hill-start assist control. Hill-start assist control may not operate effectively on steep inclines and roads covered with ice.
- Unlike the parking brake, hill-start assist control is not intended to hold the vehicle stationary for an extended period of time. Do not attempt to use hill-start assist control to hold the vehicle on an incline, as doing so may lead to an accident.

■ When the TRC/ABS/VSC is activated

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

■ When the TRC/VSC systems are turned off

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

■ Replacing tires

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.
The ABS, TRC and VSC systems will not function correctly if different tires are installed on the vehicle.
Contact your Toyota dealer for further information when replacing tires or wheels.

■ Handling of tires and the suspension

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

WARNING

■ Secondary Collision Brake

Do not rely solely upon the Secondary Collision Brake. This system is designed to help reduce the possibility of further damage due to a secondary collision, however, that effect changes according to various conditions. Overly relying on the system may result in death or serious injury.

Hybrid Electric Vehicle driving tips

For economical and ecological driving, pay attention to the following points:

Using Eco drive mode

When using Eco drive mode, the torque corresponding to the accelerator pedal depression amount can be generated more smoothly than it is in normal conditions. In addition, the operation of the air conditioning system (heating/cooling) will be minimized, improving the fuel economy. (→P.276)

Use of Hybrid System Indicator

The Eco-friendly driving is possible by keeping the indicate of Hybrid System Indicator within Eco area. (→P.75, 80)

Shift lever operation

Shift the shift lever to D when stopped at a traffic light, or driving in heavy traffic etc. Shift the shift lever to P when parking. When using the N, there is no positive effect on fuel consumption. In the N, the gasoline engine operates but electricity cannot be generated. Also, when using the air conditioning system, etc., the hybrid battery (traction battery) power is consumed.

Accelerator pedal/brake pedal operation

- Drive your vehicle smoothly. Avoid abrupt acceleration and deceleration. Gradual acceleration and deceleration will make more effective use of the electric motor (traction motor) without having to use gasoline engine power.
- Avoid repeated acceleration. Repeated acceleration consumes hybrid battery (traction battery) power, resulting in poor fuel consumption. Battery power can be restored by driving with the accelerator pedal slightly released.

When braking

Make sure to operate the brakes gently and in a timely manner. A greater amount of electrical energy can be regenerated when slowing down.

Delays

Repeated acceleration and deceleration, as well as long waits at traffic lights, will lead to bad fuel economy. Check traffic reports before leaving and avoid delays as much as possible. When driving in

a traffic jam, gently release the brake pedal to allow the vehicle to move forward slightly while avoiding overuse of the accelerator pedal. Doing so can help control excessive gasoline consumption.

Highway driving

Control and maintain the vehicle at a constant speed. Before stopping at a toll booth or similar, allow plenty of time to release the accelerator and gently apply the brakes. A greater amount of electrical energy can be regenerated when slowing down.

Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive gasoline consumption.
In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.
In winter: Because the gasoline engine will not automatically cut out until it and the interior of the vehicle are warm, it will consume fuel. Also, fuel consumption can be improved by avoiding overuse of the heater.

Checking tire inflation pressure

Make sure to check the tire inflation pressure frequently. Improper tire inflation pressure can cause poor fuel economy.
Also, as snow tires can cause large amounts of friction, their use on dry roads can lead to poor fuel economy. Use tires that are appropriate for the season.

Luggage

Carrying heavy luggage will lead to poor fuel economy. Avoid carrying unnecessary luggage. Installing a large roof rack will also cause poor fuel economy.

Warming up before driving

Since the gasoline engine starts up and cuts out automatically when cold, warming up the engine is unnecessary. Moreover, frequently driving short distances will cause the engine to repeatedly warm up, which can lead to excess fuel consumption.

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/power control unit coolant
  - Washer fluid
- Have a service technician inspect the condition of the 12-volt battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the front tires*.

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

*: Tire chains cannot be mounted on vehicles with 18-inch tires.

WARNING

■ Driving with snow tires

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

- Use tires of the specified size.
- Maintain the recommended level of air pressure.
- Do not drive in excess of 120 km/h (75 mph), regardless of the type of winter tires mounted.
- When using winter tires, mount them to all four wheels.

■ Driving with tire chains (vehicles with 17-inch tires)

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

- Do not drive in excess of the speed limit specified for the tire chains being used, or 50 km/h (30 mph), whichever is lower.
- Avoid driving on bumpy road surfaces or over potholes.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.
- Do not use LTA (Lane Tracing Assist) system.

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 accu-

mulated on the air inlet vents in front of the windshield.

- Check for and remove any excess ice or snow that may have accumulated on the exterior lights, outside rear view mirrors, windows, vehicle's roof, chassis, around the tires or on the brakes.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

When driving the vehicle

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

When parking the vehicle

- Turn automatic mode of the parking brake off. Otherwise, the parking brake may freeze and not be able to be released automatically.

Also, avoid using the following as the parking brake may operate automatically, even if automatic mode is off.

• Brake hold system

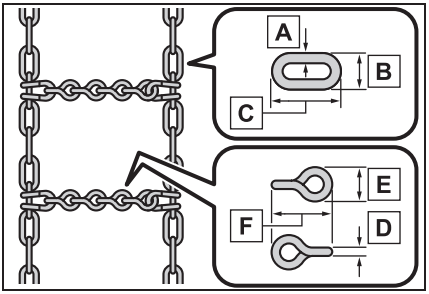
- Park the vehicle and shift the shift lever to P without setting the parking brake. The parking brake may freeze up, preventing it from being released. If the vehicle is parked without setting the parking brake, make sure to block the wheels.
  Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an accident.
- When the parking brake is in automatic mode, release the parking brake after shifting the shift lever to P. (→P.176)
- If the vehicle is parked without setting the parking brake, confirm that the shift lever cannot be moved out of P*.
- If the vehicle is left parked with the brakes damp in cold temperatures, there is a possibility of the brakes freezing.

*: The shift lever will be locked if it is attempted to be shifted from P to any other position without depressing the brake pedal. If the shift lever can be shifted from P, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.

Selecting tire chains

▶ Vehicles with 17-inch tires

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



A Side chain (3 mm [0.12 in.] in diameter)

B Side chain (10 mm [0.39 in.] in width)

C Side chain (30 mm [1.18 in.] in length)

D Cross chain (4 mm [0.16 in.] in diameter)

E Cross chain (14 mm [0.55 in.] in width)

F Cross chain (25 mm [0.98 in.] in length)

▶ Vehicles with 18-inch tires

Tire chains cannot be mounted.

Snow tires should be used instead.

Regulations on the use of tire chains (vehicles with 17-inch tires)

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

Tire chain installation

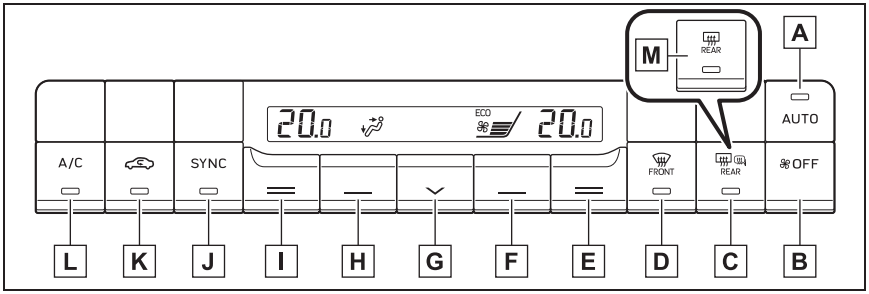
Observe the following precautions when installing and removing chains:

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

Automatic air conditioning system

Air outlets are automatically selected and fan speed is automatically adjusted according to the set temperature setting.
Also, the display and button positions will differ depending on the type of the system.

Air conditioning controls



A "AUTO" switch

B "OFF" switch

C Rear window defogger and outside rear view mirror defoggers switch*

D Windshield defogger switch

E Right-hand side temperature control switch

F Fan speed control switch

G Steering wheel heating switch (→P.293) *

H Airflow mode control switch

I Left-hand side temperature control switch

J "SYNC" switch

K Outside/recirculated air mode switch

L "A/C" switch

M Rear window defogger switch*

*: If equipped

■ **Adjusting the temperature setting**

Operate the temperature control switch upwards to increase the temperature and downwards to

decrease the temperature.

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

■ Setting the fan speed

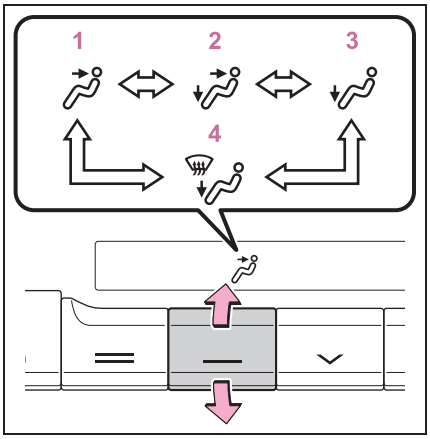
Operate the fan speed control switch upwards to increase the fan speed and downwards to decrease the fan speed.

Pressing the “OFF” switch to turns off the fan.

■ Change the airflow mode

Operate the airflow mode control switch upwards or downwards.

The airflow mode changes as follows each time the switch is pressed.



1 Upper body
2 Upper body and feet
3 Feet
4 Feet and the windshield defogger operates

■ Switching between outside air and recirculated air modes

Press the outside/recirculated air mode switch.

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

■ Set cooling and dehumidification function

Press the “A/C” switch.

When the function is on, the indicator illuminates on the “A/C” switch.

■ Defogging the windshield

Defoggers are used to defog the windshield and front side windows.

Press the windshield defogger switch.

Set the outside/recirculated air mode switch to outside air mode if the recirculated air mode is used. (It may switch automatically.)

To defog the windshield and the side windows quickly, turn the air flow and temperature up.

To return to the previous mode, press the windshield defogger switch again when the windshield is defogged.

When the windshield defogger switch is on, the indicator illuminates on the windshield defogger switch.

■ Defogging the rear window and outside rear view mirrors

▶ Vehicles without outside rear view mirror defoggers

A defogger is used to defog the rear window.

Press the rear window defogger switch.

The defogger will automatically turn off after a while.

When the rear window defogger switch is on, the indicator illuminates on the rear window defogger switch.

▶ Vehicles with outside rear view mirror defoggers

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

Press the rear window and outside rear view mirror defoggers switch.

The defoggers will automatically turn off after a while.

When the rear window and outside rear view mirror defoggers switch is on, the indicator illuminates on the rear window and outside rear view mirror defoggers switch.

■ Fogging up of the windows

- The windows will easily fog up when the humidity in the vehicle is high. Turning “A/C” on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn “A/C” off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

■ When driving on dusty roads

Close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake mode be set to outside air mode and the fan speed to any setting except off.

■ Outside/recirculated air mode

- Setting to the recirculated air mode temporarily is recommended in preventing dirty air from entering the vehicle interior and helping to cool the vehicle when the outside air temperature is high.
- Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.

■ Eco air conditioning mode

The air conditioning is controlled with low fuel consumption prioritized such as reducing fan speed, etc.

When Eco drive mode is selected using the driving mode select switch, eco air conditioning mode turns on.

When a drive mode other than Eco drive mode is selected, eco air conditioning mode may turn off.

When the eco air conditioning mode is on, the “ECO” illuminates on the air conditioning controls.

■ Operation of the air conditioning system in Eco drive mode

- In Eco drive mode, the air conditioning system is controlled as follows to prioritize fuel efficiency:
  - Engine speed and compressor operation controlled to restrict heating/cooling capacity
  - Fan speed restricted when automatic mode is selected
- To improve air conditioning performance, perform the following operations:
  - Turn off eco air conditioning mode (→P.290)
  - Adjust the fan speed
  - Turn off Eco drive mode (→P.276)

■ When the outside temperature falls to nearly 0°C (32°F)

The dehumidification function may not operate even when “A/C” switch is pressed.

■ Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to

be emitted from the vents.

- To reduce potential odors from occurring:
  - It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.
  - The start timing of the blower may be delayed for a short period of time immediately after the air conditioning system is started in automatic mode.
- When parking, the system automatically switches to outside air mode to encourage better air circulation throughout the vehicle, helping to reduce odors that occur when starting the vehicle.

■ nanoe™ X[*1,2] generator (if equipped)

A nanoe™ X generator is installed in this air conditioning system. This provides clean and refreshing air through the window side air outlet of the driver's side vent by emitting nanoe™ X particles.[*3]

- When nanoe™ X is turned on, the nanoe™ X generator is automatically activated when the fan is turned on.
- The effects of nanoe™ X are maximized in the following conditions:
  - The upper body, upper body and feet, and feet vents are being used.
  - The driver's side vent is open.
- When nanoe™ X particles are generated, a small amount of ozone is emitted so a faint odour may be detectable. This is approximately the same as the amount that already exists in nature, such as in forests, and it has no effect on the human body.
- A slight noise may be detectable during operation. It may take some time for operation to begin. A more noticeable noise may be detectable immediately upon the start of operation. This is not a malfunction.

[*1]: nanoe™ and the nanoe™ X marks are trademarks of Panasonic Holdings Corporation.

[*2]: nanoe™ X particles are nano-sized electrostatic atomised water particles that contain hydroxyl radicals, which have beneficial effects.

[*3]: According to temperature and humidity conditions, fan speed and direction of the air flow, the nanoe™ X generator may not operate at full capacity.

■ Air conditioning filter

→P.338

■ Customization

Some functions can be customized. (→P.410)

WARNING

■ To prevent the windshield from fogging up

Do not use the windshield defogger switch 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.

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

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

■ nanoe™ X generator (if equipped)

Do not disassemble or attempt to repair the nanoe™ X generator because it contains high voltage parts. Contact your Toyota dealer if the generator needs repair.

NOTICE

■ To prevent 12-volt battery discharge

Do not leave the air conditioning system on longer than necessary when the hybrid system is off.

■ To prevent damage to the nanoe™ X generator (if equipped)

Do not insert anything into the driver's side vent, attach anything to it, or use sprays around it. These actions could cause the generator to malfunction.

Using automatic mode

1 Press the automatic mode switch.

2 Adjust the temperature setting.

3 To stop the operation, press the "OFF" switch.

If the fan speed setting or air flow modes are operated, the automatic mode indicator goes off. However, automatic mode for functions other than that operated is maintained.

■ Using automatic mode

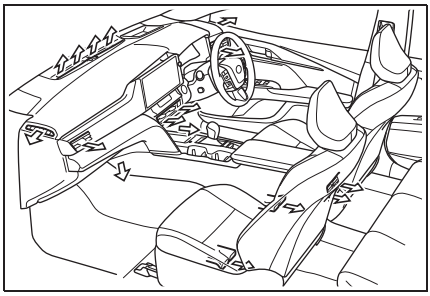
Fan speed is adjusted automatically according to the temperature setting and the ambient conditions.

Therefore, the fan may stop for a while until warm or cool air is ready to flow immediately after the automatic mode switch pressed.

Air outlet layout and operations

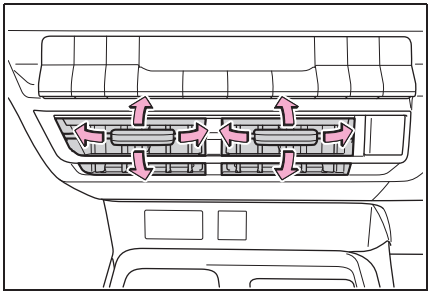
■ Location of air outlets

The air outlets and air volume changes according to the selected air flow mode.



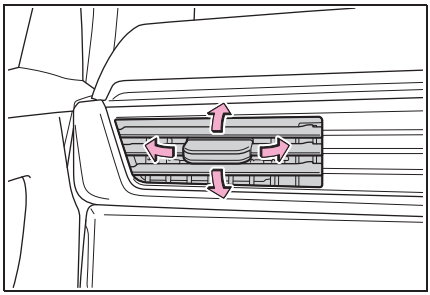
■ Adjusting the position of and opening and closing the air outlets

▶ Front center



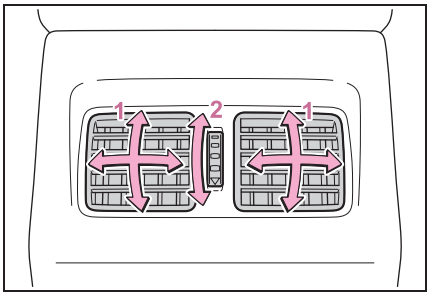
Direct air flow to the left or right, up or down

▶ Front side



Direct air flow to the left or right, up or down and turn the knob outside, to close the vent

▶ Rear



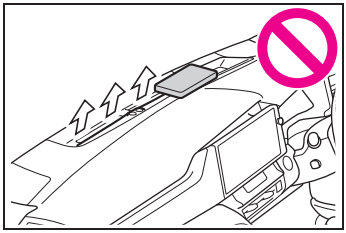
1 Direct air flow to the left or right, up or down

2 Turn the knob to open or close the vent

WARNING

■ To prevent the windshield defogger from operating improperly

Do not place anything on the instrument panel which may cover the air outlets. Otherwise, air flow may be obstructed, preventing the windshield defoggers from defogging.



Heated steering wheel*/seat heaters*/seat ventilators*

*: If equipped

- Heated steering wheel

Warms up the grip of the steering wheel

- Seat heaters

Warm up the seat upholstery

- Seat ventilators

Maintain good ventilation using a fan built into the seat

WARNING

■ To prevent minor burn injuries

Care should be taken if anyone in the following categories comes in contact with the steering wheel or seats when the heater is on:

- Babies, small children, the elderly, the sick and the physically challenged
- Persons with sensitive skin
- Persons who are fatigued
- Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)

NOTICE

■ To prevent damage to the seat heaters

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

NOTICE

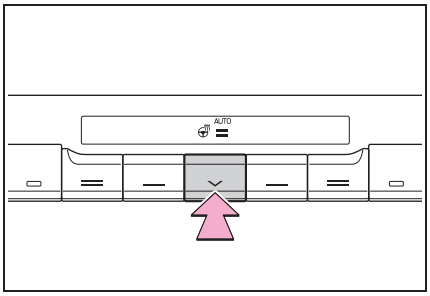
■ To prevent 12-volt battery discharge

Do not use the functions when the hybrid system is off.

Operation instructions

■ Heated steering wheel

Turns heated steering wheel on/off



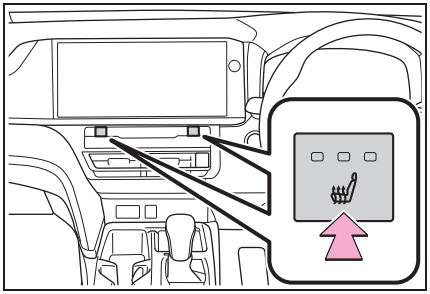
Each time the switch is pressed, the operation condition changes as follows.

AUTO (lit)→Hi (2 segments lit)→Lo (1 segment lit)→Off

When the heated steering wheel is on, the indicator illuminates on the air conditioning controls.

■ Seat heaters

Turns seat heaters on/off



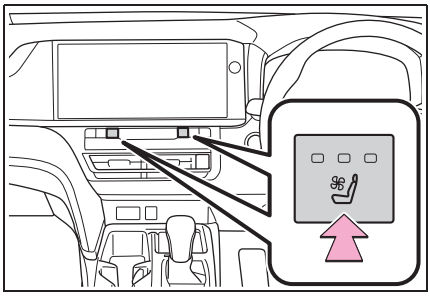
Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit)→Mid (2 segment lit)→Lo (1 segment lit)→Off

When the seat heaters is on, the indicator illuminates on the air conditioning controls.

■ Seat ventilators

Turns seat ventilators on/off



Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit)→Mid (2 segment lit)→Lo (1 segment lit)→Off

When the seat ventilators is on, the indicator illuminates on the air conditioning controls.

■ Operation condition

The power switch is in ON.

WARNING

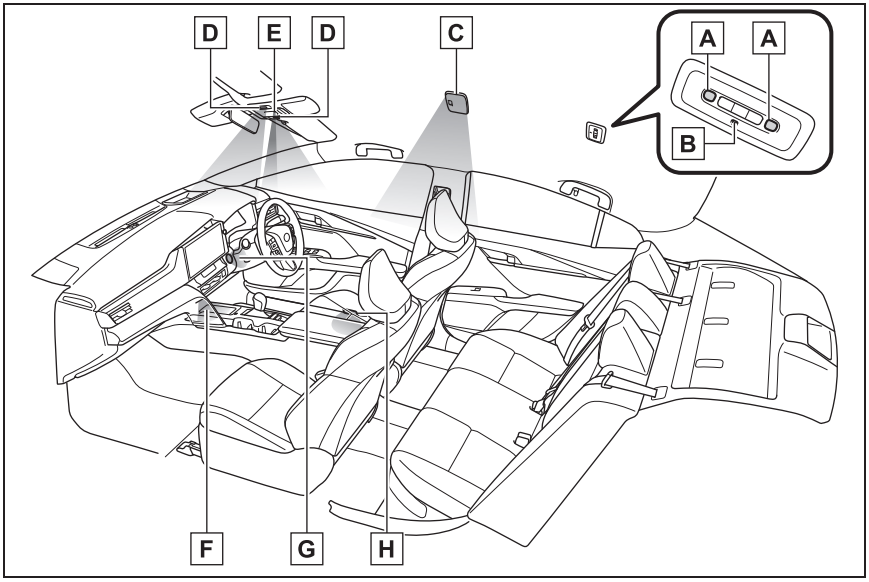
■ To prevent overheating and minor burn injuries

Observe the following precautions when using the seat heaters.

- Do not cover the seat with a blanket or cushion when using the seat heater.
- Do not use seat heater more than necessary.

Interior lights list

Location of the interior lights



A Rear personal lights (if equipped) (→P.296)

B Rear seat center armrest light (if equipped) (→P.296)

C Rear interior light (if equipped) (→P.296)

D Front interior/personal lights (→P.295, 296)

E Shift lever light (if equipped)

F Center tray light

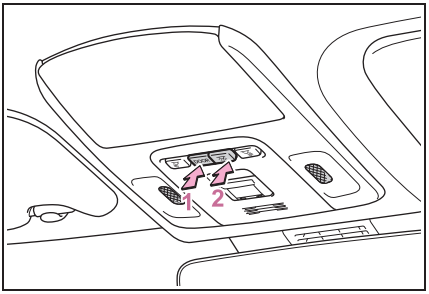
G Power switch light

H Door courtesy lights (if equipped)

Operating the interior lights

■ Front

Turns the lights on/off

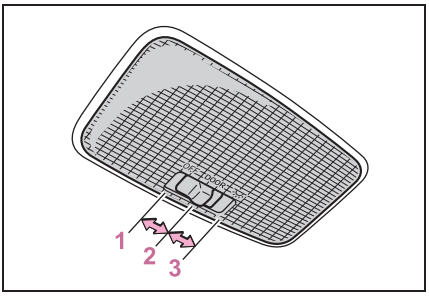


1 Turns the door position on/off

When a door is opened while the door position is on, the lights turn on.

2 Turns the lights on/off

■ Rear (if equipped)



1 Turns the light off

2 Turns the door position on

The rear interior light turns on/off together the front interior lights.

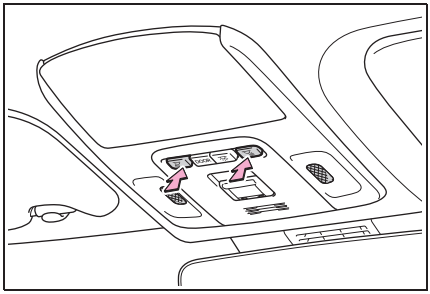
When a door is opened, the lights turn on.

3 Turns the light on

Operating the personal lights

■ Front

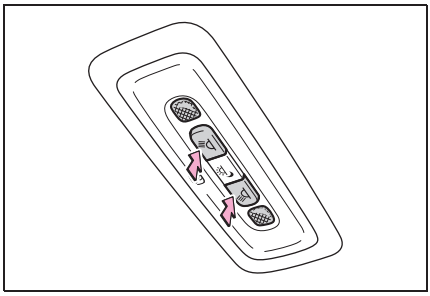
Turns the lights on/off



■ Rear (if equipped)

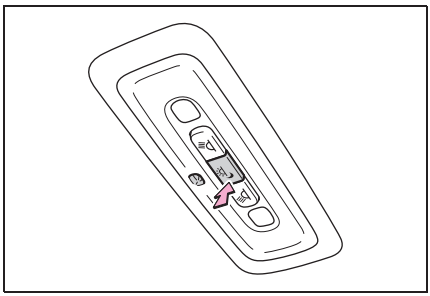
Turns the lights on/off

When the door position is on for the front interior lights, the rear personal lights turn on/off together the front interior lights.



Rear seat center armrest light (if equipped)

Turns the light on/off (when the tail lights are on)



Illuminated entry system

The lights automatically turn on/off according to the power switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are opened/closed.

To prevent the 12-volt battery from being discharged

If the interior lights remain on when the power switch is turned off, the lights will go off automatically after 20 minutes.

Automatic illumination of the interior lights

If any of the SRS airbags deploy (inflate) or in the event of a strong rear impact, the interior lights will turn on automatically.
The interior lights will turn off automatically after approximately 20 minutes.
The interior lights can be turned off manually. However, in order to help prevent further collisions, it is recommended that they be left on until safety can be ensured.
(The interior lights may not turn on automatically depending on the force of the impact and conditions of the collision.)

Customization

Some functions can be customized.
(→P.410)

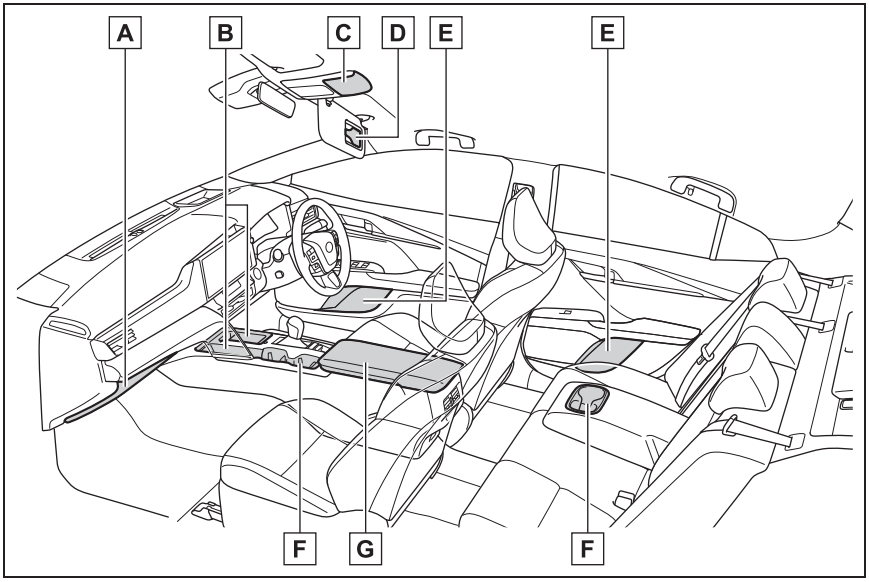
NOTICE

To prevent 12-volt battery discharge

Do not leave the lights on longer than necessary when the hybrid system is off.

List of storage features

Location of the storage features



A Glove box (→P.299)

B Open trays (if equipped) (→P.300)

C Auxiliary box (if equipped) (→P.300)

D Card holders (→P.301)

E Bottle holders/door pockets (→P.299)

F Cup holders (→P.299)

G Console box (→P.300)

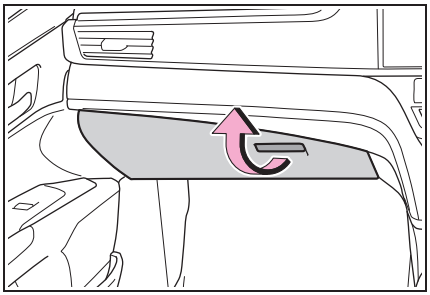
WARNING

■ Items that should not be left in the storage spaces

Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:

- Glasses may be deformed by heat or cracked if they come into contact with other stored items.
- Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.

Glove box



Pull up the lever to open the glove box.

■ Glove box light

The glove box light turns on when the tail lights are on.

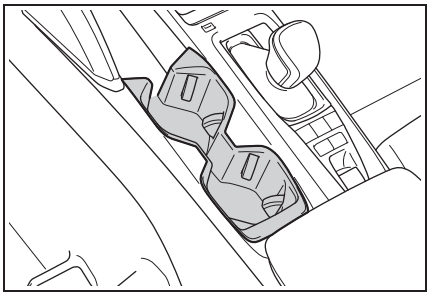
⚠ WARNING

■ Caution while driving

Keep the glove box closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by the open glove box or the items stored inside.

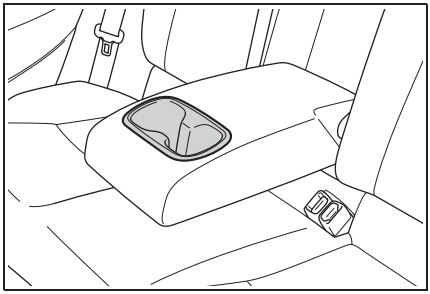
Cup holders

▶ Front



▶ Rear

Pull the armrest down.



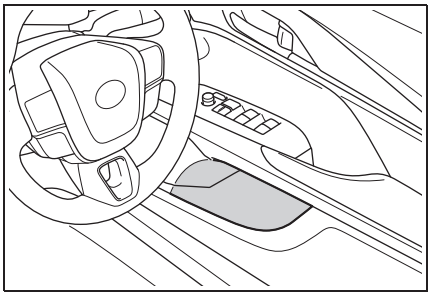
⚠ WARNING

■ Items unsuitable for the cup holder

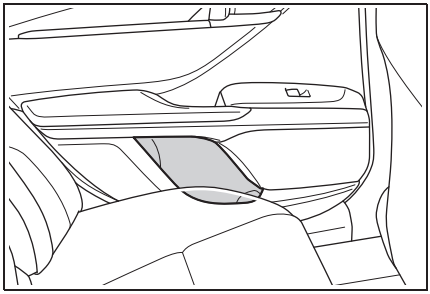
Do not place anything other than cups or beverage cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

Bottle holders/door pockets

▶ Front



▶ Rear



Bottle holders

- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.

WARNING

Items unsuitable for the bottle holders

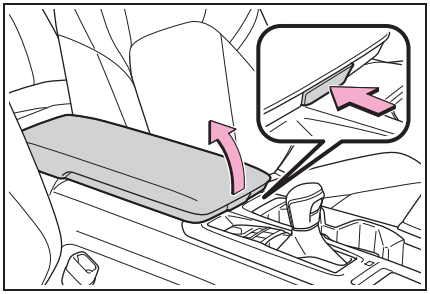
Do not place anything other than a bottle in the bottle holders.
Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury.

NOTICE

Items that should be not stowed in the bottle holders

Do not place open bottles or glass and paper cups containing liquid in the bottle holders. The contents may spill and glasses may break.

Console box



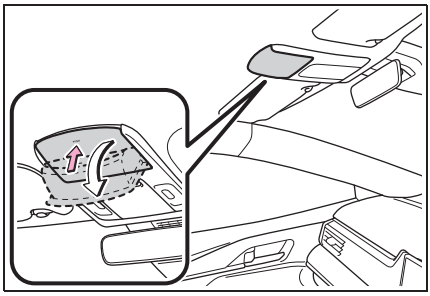
Press the button to open the console box.

WARNING

Caution while driving

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

Auxiliary box (if equipped)



Push the lid.

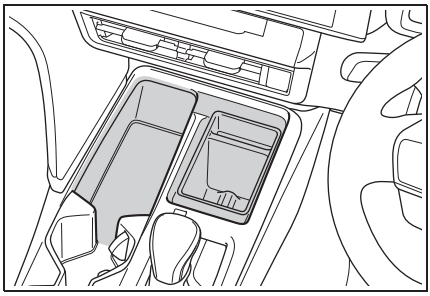
WARNING

Items unsuitable for storing

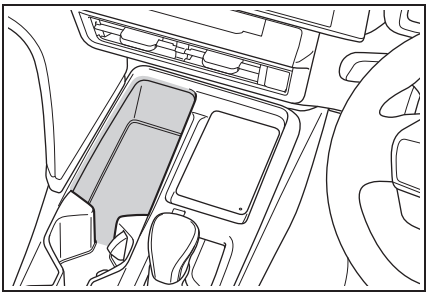
Do not store items heavier than 0.2 kg (0.4 lb.).
Doing so may cause the auxiliary box to open and the items inside may fall out, resulting in an accident.

Open trays

▶ Vehicles without wireless charger



▶ Vehicles with wireless charger



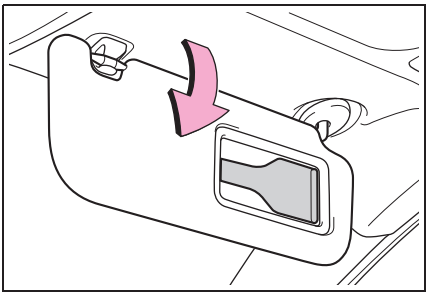
WARNING

■ Caution while driving

Observe the following precautions when putting items in the open tray. Failure to do so may cause items to be thrown out of the tray in the event of sudden braking or steering. In these cases, the items may interfere with pedal operation or cause driver distraction, resulting in an accident.

- Do not store items in the tray that can easily shift or roll out.
- Do not stack items in the tray higher than the tray's edge.
- Do not put items in the tray that may protrude over the tray's edge.

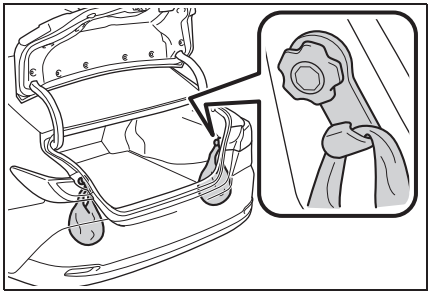
Card holders



Flip down the visor.

Trunk features

Grocery bag hooks

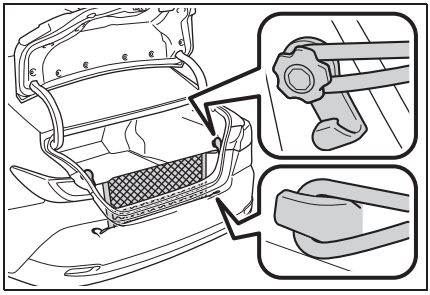


NOTICE

■ To prevent damage to the grocery bag hooks

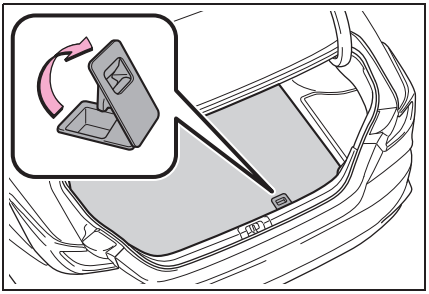
Do not apply too much load to the hooks.

Cargo net hooks

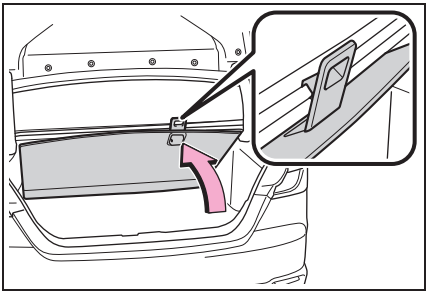


Luggage mats

1 Hold the hook and lift up the luggage mat.



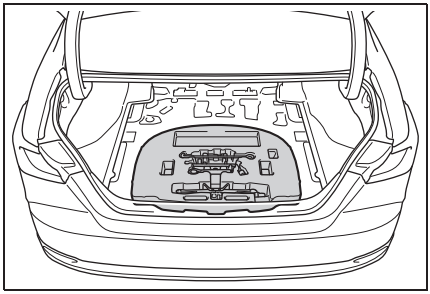
2 Secure the luggage mat using the hook.



NOTICE

■ To prevent damage to luggage mat

When closing the trunk, do not leave the luggage mat lever hooked on the edge of the trunk. The luggage mat may get damaged.



Luggage under tray

Lift up the luggage mat and secure it by using the hook.

Other interior features

USB charging ports

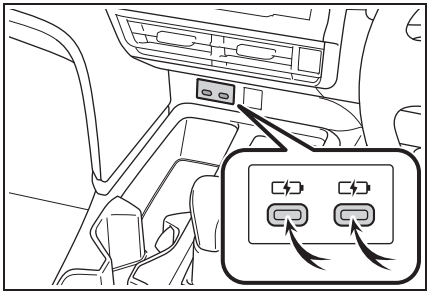
The USB charging ports are used to supply 3.0 A of electricity at 5 V to external devices.

The USB charging ports are for charging only. They are not designed for data transfer or other purposes.

Depending on the external device, it may not charge properly. Refer to the manual included with the device before using a USB charging port.

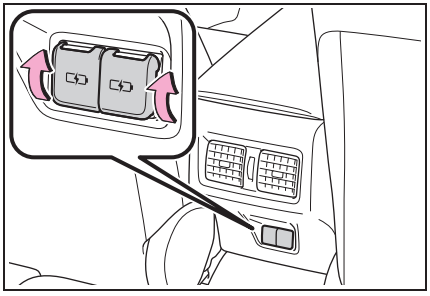
■ Using the USB charging ports

▶ On the instrument panel



▶ Rear of the console box

Open the lid.



■ The USB charging port can be used when

The power switch is in ACC or ON, or the multimedia system is on.

■ Situations in which the USB charging port may not operate correctly

- If a device which consumes more than 3.0 A at 5 V is connected
- If a device designed to communicate with a personal computer, such as a USB memory device, is connected
- If the connected external device is turned off (depending on device)
- If the temperature inside the vehicle is high, such as after the vehicle has been parked in the sun

■ About connected external device

Depending on the connected external device, charging may occasionally be suspended and then start again. This is not a malfunction.

NOTICE

■ To prevent damage to the USB charging ports

- Do not insert foreign objects into the ports.
- Do not spill water or other liquids into the ports.
- Do not apply excessive force to or impact the USB charging ports.
- Do not disassemble or modify the USB charging ports.

■ To prevent damage to external devices

- Do not leave external devices in the vehicle. The temperature inside the vehicle may become high, resulting in damage to an external device.
- Do not push down on or apply unnecessary force to an external device or the cable of an external device while it is connected.

NOTICE

■ To prevent 12-volt battery discharge

Do not use the USB charging port for a long period of time with the hybrid system stopped.

Wireless charger (if equipped)

A portable device, such as a smartphone or mobile battery, can be charged by just placing it on the charging area, provided the device is compatible with the Qi wireless charging standard created by the Wireless Power Consortium.

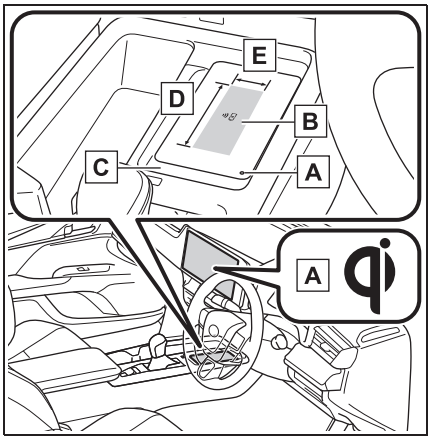
The compatible portable devices can be found on the following Wireless Power Consortium website.
https://www.wirelesspowerconsortium.com/

The wireless charger cannot be used with a portable device that is larger than the charging tray. Additionally, depending on the portable device, the wireless charger may not operate properly. Refer to the operation manual of the portable device.

■ The “Qi” logo

The “Qi” logo is a trademark of the Wireless Power Consortium. Qi ID: 11277

■ Name for all parts



A Operation indicator light

B Charge area*

C Charging tray

D Approximately 10 cm (3.9 in.)

E Approximately 2.5 cm (1.0 in.)

*: Compatible portable devices and the wireless charger contain charging coils.
The charging coil in the wireless charger can be moved within the charge area up to the position of the charging coil inside a portable device. Charging is possible if the center of the coil of the portable device is placed within the charge area. Additionally, if 2 or more portable devices are placed on the charging tray at the same time, each charging coil may not be detected correctly and charging may not be possible.

■ Using the wireless charger

Place the portable device on the charging area.

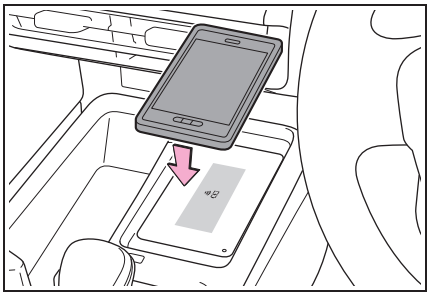
Place the charging side of the portable device down with the center of the

device in the center of the charging area.

When charging, the operation indicator light (orange) comes on.

Refer to “Situations in which the wireless charger may not operate correctly” when charging is not performed.(→P.308)

When charging is complete, the operation indicator light (green) comes on.



Recharging function

- When charging is complete and after a fixed time in the charge suspension state, charging restarts.
- When a portable device is moved significantly in the charging area, the charging coil is disconnected and charging is stopped momentarily. However, if there is the center of a charging coil in the charging area, the charging coil inside the wireless charger will move toward it and then charging restarts.

Rapid charging function

The following portable devices support rapid charging.

- Portable devices compliant with WPC Ver. 1.3.2 and compatible with rapid charging
- iPhone’s with an iOS version that supports 7.5 W charging (iPhone 8 and later models)
- Portable devices compatible with Galaxy original rapid charging standard

When a portable device that supports rapid charging is charged, charging automatically switches to the rapid charging function.

Operation indicator light status

Operation indicator light		Conditions
Charging tray	Multimedia display	
Turning off	Disappear	When the Multimedia system power supply is off or the power switch is in OFF.
Green (comes on)	Gray	On Standby (charging possible state)*1
		When charging is complete*2
Orange (comes on)	Blue	Charging

*1: Charging power will not be output during standby. A metallic object will not be heated, if it is placed on the charging area in this state.

*2: Depending on the portable device, there are cases where the operation indicator light will continue being lit up orange even after the charging is complete.

■ The wireless charger is not working properly

The following are situations in which the wireless charger does not work properly and how to deal with the possible causes.

Operation indicator light		Suspected causes/Handling method
Charging tray	Multimedia display	
Orange (Flashing repeatedly once every second)	Gray	Vehicle to wireless charger communication failure → **If the hybrid system is operating, stop and then restart the hybrid system.** If the power switch is in ACC, start the hybrid system. (→P.164)
Green (Flashing repeatedly once every second)	Disappear	Wireless charger and multimedia system communication failure → **If the hybrid system is operating, stop and then restart the hybrid system.** If the power switch is in ACC, start the hybrid system. (→P.164)
Green (comes on)	Blue	AM radio stations are being automatically selected → **Wait until the system has completed the automatic selection of AM radio stations. In the case that automatic selection cannot be completed, stop automatic selection.**
		The smart entry and start system is detecting the key. → **Wait until key detection has completed.**

Operation indicator light		Suspected causes/Handling method
Charging tray	Multimedia display	
Green (comes on)	Gray	Foreign substance detection: A metallic foreign substance is in the charging area, and so the abnormal heating prevention function of the metallic foreign substance operated → **Remove the foreign substance from the charge area.**
		Portable device misaligned / distanced from charging surface: The center of charging coil in the portable device moved outside of the charging area, or lens convex is large, or case is thick so the abnormal heating prevention function operated → **Remove the portable device from the wireless charger, after 5 seconds, then place the portable device so that it is near the center of the wireless charger. Also, if a case or cover is installed to the portable device, remove it.**
		Battery protection function of portable device: Before full charging, battery protection function of portable device operated → **Confirm the setting of portable device.**
		Continued detection of an electronic key: When a Multimedia function is used through vehicle customization, the electronic key is continually detected without being confirmed. → **In this case, turn the power switch ACC or ON to confirm the key.**
Orange (Repeatedly flashes 4 times continuously)	Gray	Safety shutdown resulting when the temperature within the wireless charger exceeded the set value → **Stop charging, remove the portable device from the charging tray, wait for the temperature to drop, and then start charging again.**

The wireless charger can be operated when

The power switch is in ACC or ON, or the multimedia system is on.

Portable devices that can be charged

- Portable devices compatible with the Qi wireless charging standard can be charged by the wireless charger. However, compatibility with portable devices that comply with Qi Ver. 1.0, 1.3.2 and later versions is not guaranteed.
- The wireless charger is designed to supply low power electricity (5 W or less) to a cellular phone, smartphone, or other portable device.

However, portable devices, such as the following, can be charged with more than 5 W.

- 7.5 W charging compatible iPhones can be charged at 7.5 W or less.
- Devices that comply with independent Galaxy charging standards support 10 W or less charging. Check the specifications of each portable device for the charging electricity.
- Portable devices compliant with EPP output as defined by WPC standard Ver. 1.3.2 can be charged at 15 W or less.

Using the smart entry and start system

If the smart entry and start system detects the key while a device is being charged, charging will be temporarily stopped.

When covers and accessories are attached to portable devices

Do not charge in situations where cover and accessories not able to handle Qi are attached to the portable device. Depending on the type of cover (including for certain genuine manufacturer parts) and accessory, it may not be possible to charge. When charging is not performed even with the portable device placed on the charge area, remove the cover and accessories.

AM radio cooperation function during charging

- During charging, if noise occurs when listening to the AM radio, the charging frequency is automatically changed to reduce the noise.
- When automatically seeking AM radio stations, charging will be suspended to prevent charging noise from being detected as a radio station. Charging will resume automatically when seek tuning is stopped.

Important points of the wireless charger

- If the electronic key cannot be detected within the vehicle interior, charging cannot be done. When the door is opened and closed, charging may be temporarily suspended.
- When charging, the wireless charging device and portable device will get warmer, however this is not a malfunction. When a portable device gets warm while charging, charging may stop due to the protection function on the portable device side. In this case, when the temperature of the portable device drops significantly, charge again.

The fan may start operating to lower the temperature inside the wireless charger, however this is not a malfunction.

Operation sounds

A buzzing noise may be heard when pressing the power switch to turn to ACC or ON or when detecting a portable device. However, this is not a malfunction.

Cleaning the wireless charger

→P.317

Situations in which the wireless charger may not operate correctly

In the following situations, the wireless charger may not operate correctly:

- When a portable device is fully charged

- When a portable device is being charged by a wired connection
- When there is a foreign object between the charging area and portable device
- When the temperature of a portable device becomes high while charging
- When the temperature near the charging tray is 35°C (95°F) or more due to being in direct sunlight, etc.
- When a portable device is placed with its charging surface facing up
- The small portable device such as foldable type is placed in an area misaligned from the charge area
- When a portable device is larger than the charging tray
- When the vehicle is near a TV tower, electric power plant, fuel station, radio station, large display, airport, or other facility that generates strong radio waves or electrical noise
- The electronic key is not inside the vehicle
- When the any of the following objects are between the charging surface of a portable device and the charging are:
  - Thick cases or covers
  - A case or cover attached with an uneven or tilted surface, so that the charging side is not flat
  - Thick decorations
  - Accessories, such as finger rings, straps, etc.
- When there is a gap between the charging side of the portable device and the charge area due to a protrusion such as a camera on the charging side of the portable device.
- When the portable device is in contact with, or is covered by any of the following metallic objects:
  - Cards covered with metal, such as aluminum foil
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Heat packs
  - Recorded media such as CDs and DVDs
  - Metallic decorations
  - Metallic cases or covers
  - Casing which has magnet in it on the charging side of the portable device
- When wireless keys (that emit radio waves) other than those of your vehicle are being used nearby
- When 2 or more portable devices are placed on the charging tray at the same time
- If a portable device built in S-pen (Galaxy “Note” series etc.) used, a portable device that inserted S-pen is placed on the tray

In situations other than above, if the wireless charger does not operate properly or the operation indicator light blinks continuously, the wireless charger may be malfunctioning.

Contact your Toyota dealer.

If the smartphone OS has been updated

If the smartphone OS has been updated to a newer version, its charging specifications may have changed significantly. For details, check the information on the manufacturer’s website.

Trademark information

- iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.
- Galaxy is a trademark or registered trademark of Samsung Electronics Co.,Ltd.

WARNING

Caution while driving

When charging a portable device, for safety reasons, the driver should not operate the main part of the portable device while driving.

WARNING

■ Precautions for when driving

Do not charge small, lightweight portable devices, such as wireless earbuds, while driving. Lightweight devices may fly off of the charging tray, possibly leading to an accident.

■ Caution regarding interference with electronic devices

People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverters, as well as any other electrical medical device, should consult their physician about the usage of the wireless charger.

Operations of the wireless charger may have an affect on medical devices.

■ To prevent malfunctions or burns

Observe the following precautions.

Failure to do so may result in a equipment failure and damage, catch fire, burns due to overheat or electric shock.

- Do not insert any metallic objects between the charge area and the portable device while charging.
- Do not attach an aluminum sticker or other metallic object to the charge area.
- Do not attach an aluminum sticker or other metallic object to the side of the portable device (or to its case or cover) that touches the charge area.
- Do not use the charging tray as a small storage space.
- Do not subject to a strong force or impact.
- Do not disassemble, modify or remove.
- Do not charge devices other than specified portable devices.
- Keep away from magnetic items.
- Do not charge devices if the charge area is covered in dust.
- Do not cover with a cloth or similar material.

NOTICE

■ To prevent trouble and data damage

- When charging, bringing a credit, or other magnetic card, or magnetic storage media close to the charge area may clear any stored data due to magnetic influence. Also, do not bring a wristwatch or other precision instrument close to the charge area since doing so may cause it to malfunction.
- Do not charge with a non-contact IC card such as a transportation system IC card inserted between the charging side of a portable device and the charge area. The IC chip may become extremely hot and damage the portable device or IC card. Be especially careful not to charge a portable device inside a case or cover with a noncontact IC card attached.
- Do not leave portable devices inside the vehicle. The inside of the vehicle can become hot in extreme heat, which could cause a malfunction.

■ To prevent 12-volt battery discharge

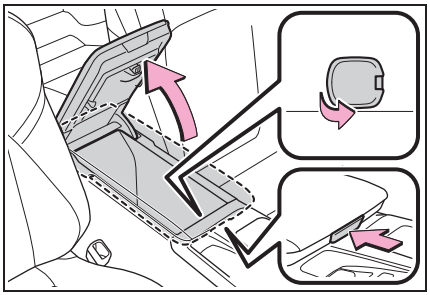
Do not use the wireless charger for a long period of time when the hybrid system is stopped.

Power outlet

The power outlet can be used for

12 V accessories that run on less than 10 A.

Open the console box lid and open the lid.



■ The power outlet can be used when

The power switch is in ACC or ON, or the multimedia system is on.

■ When stopping the hybrid system

Disconnect electrical devices with charging functions, such as mobile battery packs.
If such devices are left connected, the hybrid system may not stop normally.

NOTICE

■ To prevent the fuse from being blown

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

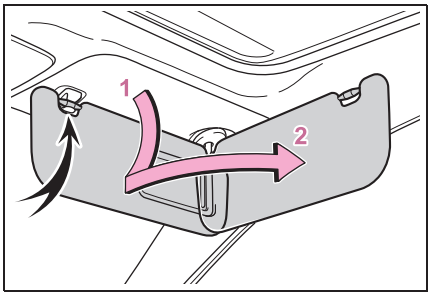
■ To avoid damaging the power outlet

Close the power outlet lid when the power outlet is not in use.
Foreign objects or liquids that enter the power outlet may cause a short circuit.

■ To prevent 12-volt battery discharged

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

Sun visors



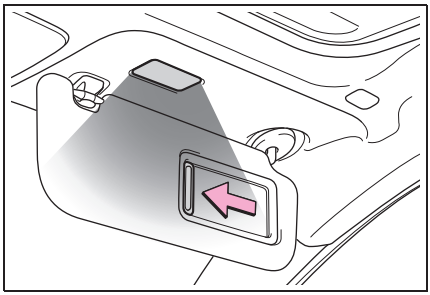
1 To set the visor in the forward position, flip it down.

2 To set the visor in the side position, flip down, unhook, and swing it to the side.

Vanity mirrors

Slide the cover to open.

The vanity light turns on.



■ To prevent 12-volt battery discharge

If the vanity lights remain on when the power switch is OFF, the lights will go off automatically after 20 minutes.

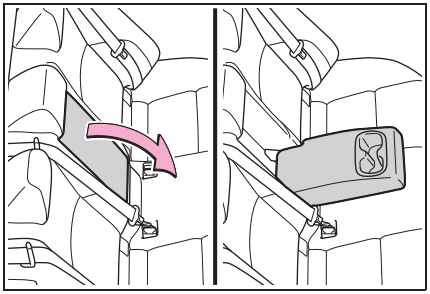
NOTICE

■ **To prevent the 12-volt battery from being discharged**

Do not leave the vanity lights on for extended periods while the hybrid system is off.

Armrest

Fold down the armrest for use.



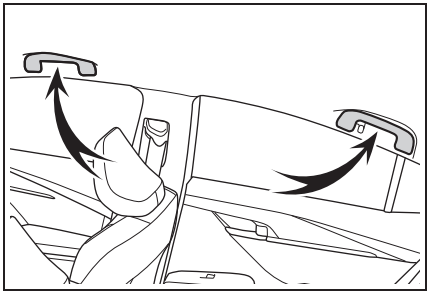
NOTICE

■ **To prevent damage to the armrest**

Do not apply too much load on the armrest.

Assist grips

An assist grip installed on the ceiling can be used to support your body while sitting on the seat.



WARNING

■ **Assist grip**

Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

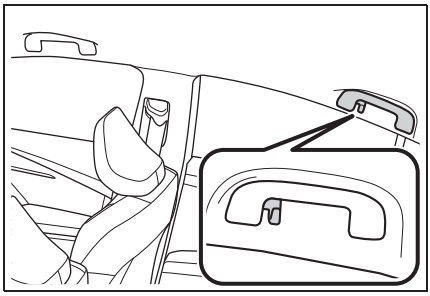
NOTICE

■ **To prevent damage to the assist grip**

Do not hang any heavy object or put a heavy load on the assist grip.

Coat hooks

The coat hooks are provided with the rear assist grips.



WARNING

■ **Items that cannot be hung on the coat hook**

Do not hang coat hangers or other hard or sharp objects on the hook. If the SRS curtain shield airbags deploy, these items may become projectiles, causing death or serious injury.

Cleaning and protecting the vehicle exterior

Perform cleaning in a manner appropriate to each component and its material.

Cleaning instructions

- 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 before washing the vehicle. Start washing from the front of the vehicle. Make sure to extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface, parts (wheel, etc.) and harm your vehicle's paint.

■ High pressure car washes

As water may enter the cabin, do not bring the nozzle tip near the gaps around the doors or perimeter of the windows, or spray these areas continuously.

■ When using a car wash

If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:

- Place the key in a position 2 m (6 ft.) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P.115)

■ Wheels and wheel ornaments

- Remove any dirt immediately by using a neutral detergent.
- Wash detergent off with water immediately after use.
- To protect the paint from damage, make sure to observe the following precautions.

• Do not use acidic, alkaline or abrasive detergent
• Do not use hard brushes
• Do not use detergent on the wheels when they are hot, such as after driving or parking in hot weather

■ Brake pads and calipers

Rust may form if the vehicle is parked with wet brake pads or disc rotors, causing them to stick. Before parking the vehicle after it is washed, drive slowly and apply the brakes several times to dry the parts.

■ Bumpers

Do not scrub with abrasive cleaners.

■ Plated portions

If dirt cannot be removed, clean the parts as follows:

- Use a soft cloth dampened with an approximately 5% solution of neutral detergent and water to clean the dirt off.

- Wipe the surface with a dry, soft cloth to remove any remaining moisture.
- To remove oily deposits, use alcohol wet wipes or a similar product.

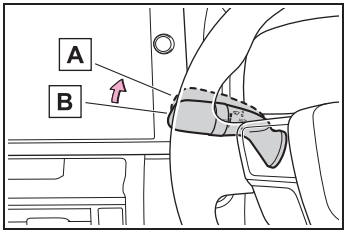
WARNING

■ When washing the vehicle

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components, etc. to catch fire.

■ When cleaning the windshield (vehicles with rain-sensing windshield wipers)

Set the wiper switch to off. If the wiper switch is in “AUTO”, the wipers may operate unexpectedly in the following situations, and may result in hands being caught or other serious injuries and cause damage to the wiper blades.



A Off

B AUTO

- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

■ Precautions regarding the exhaust pipe

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

■ Precaution regarding the front and rear bumpers

If the paint of the front or rear bumper is chipped or scratched, the following systems may not function correctly. If this occurs, consult your Toyota dealer.

- Toyota Safety Sense
- BSM
- RCTA
- SEA
- PKSB
- Toyota parking assist-sensor

NOTICE

■ To prevent paint deterioration and corrosion on the body and components (aluminum wheels, etc.)

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If coal tar or tree sap is present on the paint surface
  - If dead insects, insect droppings or bird droppings are present on the paint surface
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances

NOTICE

- If the vehicle becomes heavily soiled with dust or mud
- If liquids such as benzene and gasoline are spilled on the paint surface

● If the paint is chipped or scratched, have it repaired immediately.

● To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

■ Cleaning the exterior lights

● Wash carefully. Do not use organic substances or scrub with a hard brush.
This may damage the surfaces of the lights.

● Do not apply wax to the surfaces of the lights.
Wax may cause damage to the lenses.

■ When using an automatic car wash (vehicles with rain-sensing windshield wipers)

Set the wiper switch to the off position. If the wiper switch is in “AUTO”, the wipers may operate and the wiper blades may be damaged.

■ When using a high pressure car wash

● When washing the vehicle, do not spray the camera or its surrounding area directly with a high pressure washer. Shock applied from high pressure water may cause the device to not operate normally.

● Do not spray water directly on the radar which is equipped behind the emblem. Otherwise it may cause the device to be damaged.

● Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), connectors or the following parts. The parts may be damaged if they come into contact with high-pressure water.

- Traction related parts
- Steering parts
- Suspension parts
- Brake parts

● Keep the cleaning nozzle at least 30 cm (11.9 in.) away from the vehicle body. Otherwise resin section, such as moldings and bumpers, may be deformed and damaged. Also, do not continuously hold the nozzle in the same place.

● Do not spray the lower part of the windshield continuously. If water enters the air conditioning system intake located near the lower part of the windshield, the air conditioning system may not operate correctly.

● Do not wash the underside of the vehicle using a high pressure car washer.

Cleaning and protecting the vehicle interior

Perform cleaning in a manner appropriate to each component and its material.

Protecting the vehicle interior

- Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with lukewarm water.
- If dirt cannot be removed, wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
  Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

■ Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not use water. Wipe dirty surfaces and let them dry. Excellent results are obtained by keeping the carpet as dry as possible.

■ Handling the 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.

WARNING

■ Water in the vehicle

- Do not splash or spill liquid in the vehicle, such as on the floor, in the hybrid battery (traction battery) air intake vent, and in the trunk. (→P.317)
  Doing so may cause the hybrid battery, electrical components, etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P.31)
  An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.
- Vehicles with wireless charger:
  Do not let the wireless charger (→P.304) get wet. Failure to do so may cause the charger to become hot and cause burns or could cause electric shock resulting in death or serious injury.

■ Cleaning the interior (especially instrument panel)

Do not use polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and leading to an accident, resulting in death or serious injury.

NOTICE

■ Cleaning detergents

- Do not use the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:
  - Areas other than the seats and steering wheel: Organic substances such as benzene or gasoline, alkaline or acidic solutions, dye, and bleach

NOTICE

- Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol
- Steering wheel: Organic substances, such as thinner, and cleaner that contains alcohol

● Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

■ Preventing damage to leather surfaces

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

● Remove any dust or dirt from leather surfaces immediately.

● Do not expose the vehicle to direct sunlight for extended periods of time. Park the vehicle in the shade, especially during summer.

● Do not place items made of vinyl, plastic, or containing wax on the upholstery, as they may stick to the leather surface if the vehicle interior heats up significantly.

■ Water on the floor

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

■ When cleaning the inside of the windshield

Do not allow glass cleaner to contact the lens. Also, do not touch the lens. (→P.193)

■ 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.

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

Cleaning the leather areas

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

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

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

■ Caring for leather areas

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

Cleaning the synthetic leather areas

- Remove dirt and dust using a vacuum cleaner.

- Wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
- Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Cleaning fabric surfaces

- Remove dirt, sand, etc. from surfaces by using a vacuum cleaner or lint roller.
- Remove dirt, sand, etc. from grooves in fabric surfaces by using a vacuum cleaner.

Caring for fabric surfaces

Refrain from using force when wiping fabric surfaces with cloths, disposable cleaning wipes, etc.
Fibers from the cloths or disposable cleaning wipes may stick to the fabric surface as a result.

Maintenance requirements

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

Where to go for maintenance service?

It makes good sense to take your vehicle to your local Toyota dealer for maintenance service as well as other inspections and repairs.

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

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

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

WARNING

If your vehicle is not properly maintained

Improper maintenance could result in serious damage to the vehicle and possible death or serious injury.

Handling of the 12-volt battery

12-volt battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P.331)

Scheduled maintenance

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

For full details of your maintenance schedule, refer to the "Warranty and Service Booklet".

Do-it-yourself maintenance

What about do-it-yourself maintenance?

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

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

Does your vehicle need repairs?

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 system after use is normal.)
- Change in exhaust sound (This may

indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)

- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driven 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 (→P.74, 78)

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.

Do-it-yourself service precautions

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

Maintenance

Items	Parts and tools
12-volt battery condition (→P.331)	• Grease • Conventional wrench (for terminal clamp bolts)
Engine/power control unit coolant level (→P.329)	• “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P.326)	• “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)
Fuses (→P.344)	• Fuse with same amperage rating as original
Hybrid battery (traction battery) air intake vent (→P.339)	• Vacuum cleaner, etc.
Light bulbs (→P.346)	• Bulb with same number and wattage rating as original • Flathead screwdriver • Wrench
Radiator and condenser (→P.330)	—
Tire inflation pressure (→P.336)	• Tire pressure gauge • Compressed air source
Washer fluid (→P.330)	• Water or washer fluid containing antifreeze (for winter use) • Funnel (used only for adding water or washer fluid)

WARNING

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

- Make sure that the “ACCESSORY” or “POWER ON” on the multi-information display and the “READY” indicator are both off.
- Keep hands, clothing and tools away from the moving fan.

WARNING

- Be careful not to touch the engine, power control unit, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the 12-volt battery. Fuel and 12-volt battery fumes are flammable.
- Be extremely cautious when working on the 12-volt battery. It contains poisonous and corrosive sulfuric acid.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.
  If you still experience discomfort, consult a doctor.

■ When working near the electric cooling fan or radiator grille

Be sure the power switch is OFF. With the power switch in ON, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P.330)

■ Safety glasses

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

NOTICE

■ If you remove the air cleaner filter

Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

■ If the fluid level is low or high

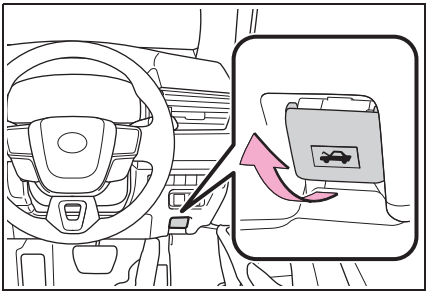
It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.
If the reservoir needs frequent refilling, it may indicate a serious problem.

Hood

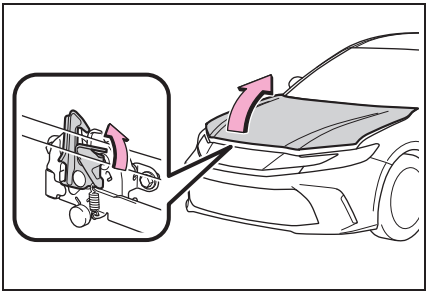
Opening the hood

1 Pull the hood lock release lever.

The hood will pop up slightly.



2 Pull the auxiliary catch lever to the left and lift the hood.



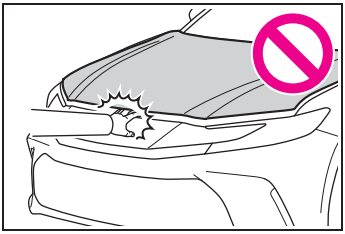
WARNING

■ 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.

■ When closing the hood

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

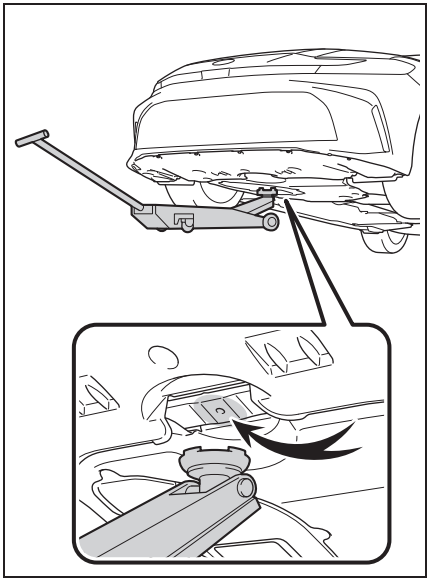


Positioning a floor jack

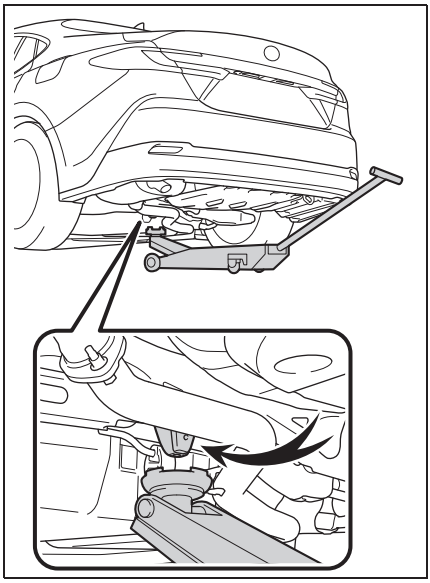
When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely.
When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

Location of the jack point

■ **Front**

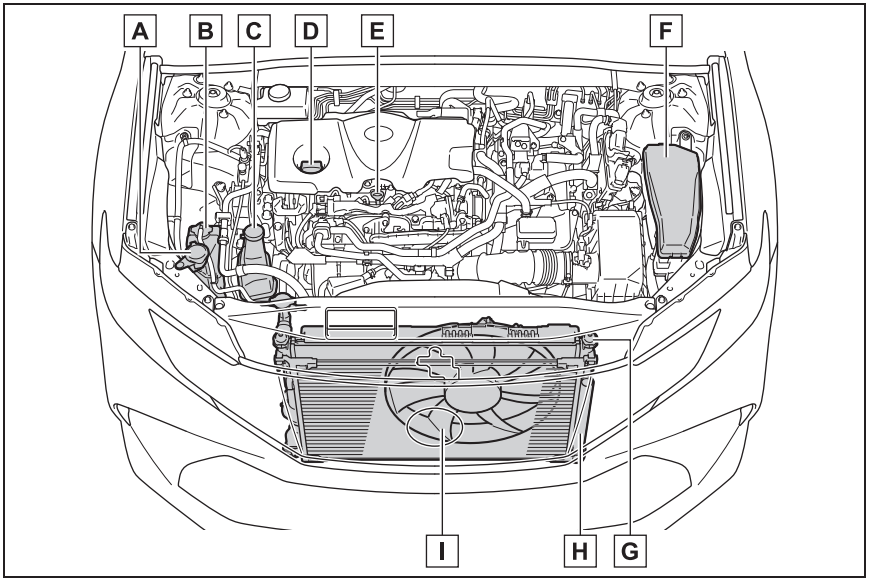


■ **Rear**



Engine compartment

Components



A Washer fluid tank (→P.330)

B Engine coolant reservoir (→P.329)

C Power control unit coolant reservoir (→P.329)

D Engine oil filler cap (→P.328)

E Engine oil level dipstick (→P.326)

F Fuse box (→P.344)

G Radiator (→P.330)

H Condenser (→P.330)

I Electric cooling fan

■ 12-volt battery

→P.331

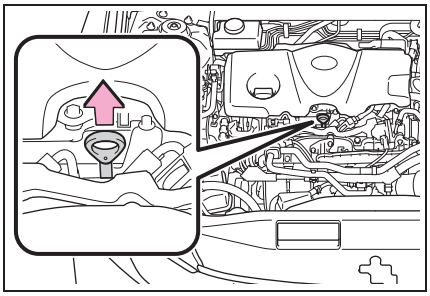
Checking the engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

1 Park the vehicle on level ground. After warming up the engine and turning off the hybrid system, wait about 5 minutes for

the oil to drain back into the bottom of the engine.

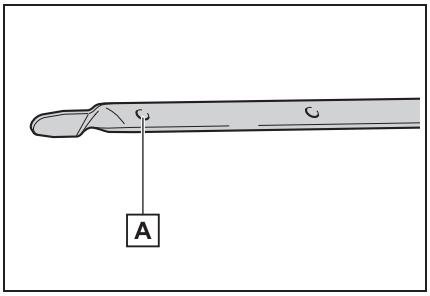
2 Holding a rag under the end, pull the dipstick out.



3 Wipe the dipstick clean.

4 Reinsert the dipstick fully.

5 Holding a rag under the end, pull the dipstick out and check whether the oil level is above low level mark.



A Low level mark

The shape of the dipstick may differ depending on the type of vehicle or engine.

6 Wipe the dipstick and reinsert it fully.

NOTICE

To prevent serious engine damage

Check the oil level on a regular basis.

Engine oil consumption

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine
- If low quality oil or oil of an inappropriate viscosity is used
- When driving at high engine speeds or with a heavy load, when towing, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic

Engine oil level rise

If the vehicle is repeatedly driven without the engine warmed up, moisture caused by dew condensation inside the engine or fuel which did not burn mixes into the engine oil, resulting in a rise in engine oil level. However, this is not a malfunction. For example, the engine become difficult to be warmed up in the following situations.

- When driving a short distance
- When driving at a low speed
- When the outside temperature is low

When checking the engine oil, make sure that the engine is warmed up. If the engine oil level exceeds the refill upper limit mark, contact your Toyota dealer.

Adding engine oil

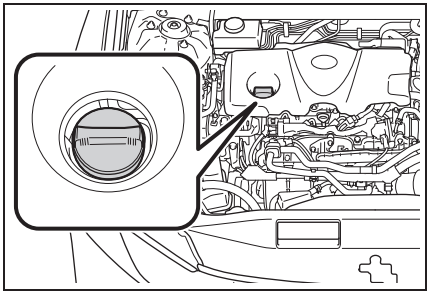
Checking the oil type and preparing the item needed

Make sure to check the oil type and prepare the items needed before adding oil.

- Engine oil selection
  →P.404
- Oil quantity (Low level mark → Refill upper limit mark)
  1.5 L (1.6 qt., 1.3 Imp. qt.)
- Item
  Clean funnel

■ Adding engine oil

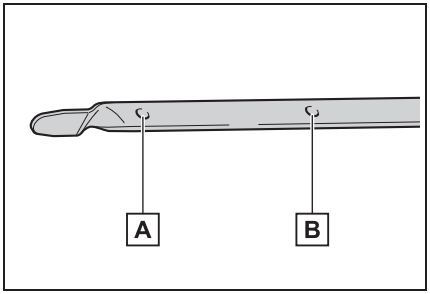
If the oil level is below or near the low level mark, add engine oil of the same type as that already in the engine.



1 Remove the oil filler cap by turning it counterclockwise.

2 Add engine oil slowly, checking the dipstick.

Make sure that the oil level does not exceed the refill upper limit mark and is between the low level mark and refill upper limit mark.



A Low level mark

B Refill upper limit mark

The shape of the dipstick may differ depending on the type of vehicle or engine.

3 Install the oil filler cap by turning it clockwise.

■ After changing the engine oil

The engine oil maintenance data should be reset. Perform the following procedures:

1 Park the vehicle in a safe place and then start the hybrid system. The oil maintenance cannot be reset while the vehicle is moving.

2 Select ⚙ of the multi-information display using the meter control switches and then press OK.

3 Select “Vehicle Settings” and then press and hold OK.

4 Select “Oil Maintenance” and then press OK.

5 Select “Yes” and then press OK.

A message will be displayed on the multi-information display when the reset procedure has been completed.

⚠ WARNING

■ Used engine oil

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation and skin cancer, so care should be taken to avoid prolonged and repeated contact. To remove used engine oil from your skin, wash thoroughly with soap and water.

WARNING

- 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

■ When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

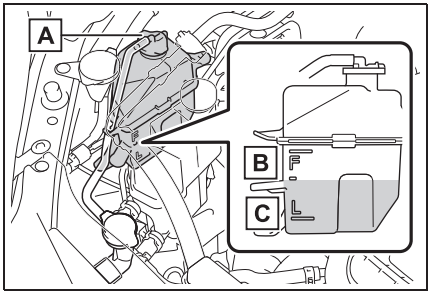
■ If oil is spilled on the engine cover

To prevent the engine cover from being damaged, remove any engine oil from the engine cover as soon as possible using a neutral detergent. Do not use an organic solvent such as brake cleaner.

Checking the coolant

■ Engine coolant reservoir

The coolant level is satisfactory if it is between the “F” and “L” lines on the reservoir when the engine is cold.



A Reservoir

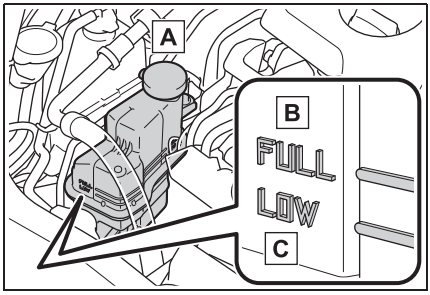
B “F” line

C “L” line

If the level is on or below the “L” line, add coolant up to the “F” line. (→P.396)

■ Power control unit coolant reservoir

The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir when the hybrid system is cold.



A Reservoir

B “FULL” line

C “LOW” line

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P.396)

■ Coolant selection

Only use “Toyota Super Long Life Cool-

ant" or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

"Toyota Super Long Life Coolant" is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -35°C [-31°F])

For more details about coolant, contact your Toyota dealer.

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

Visually check the radiators, hoses, engine/power control unit coolant reservoir caps, 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.

⚠ WARNING

■ When the hybrid system is hot

Do not remove the engine/power control unit coolant reservoir caps and radiator cap.

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

⚠ NOTICE

■ When adding coolant

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

■ If you spill coolant

Be sure to wash it off with water to prevent it from damaging parts or paint.

Checking the radiator and condenser

Check the radiator and condenser and clear away any foreign objects. If either of the above parts is extremely dirty or you are not sure of their condition, have your vehicle inspected by your Toyota dealer.

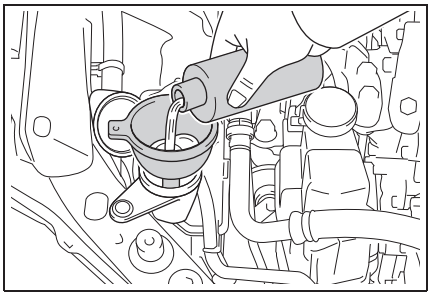
⚠ WARNING

■ When the hybrid system is hot

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

Adding the washer fluid

If the amount of washer fluid is insufficient, add washer fluid.



⚠ WARNING

■ When adding washer fluid

Do not add washer fluid when the hybrid system is hot or operating as washer fluid contains alcohol and may catch fire if spilled on the engine, etc.

NOTICE

■ Do not use any fluid other than washer fluid

Do not use soapy water or engine antifreeze instead of washer fluid. Doing so may cause streaking on the vehicle's painted surfaces, as well as damaging the pump leading to problems of the washer fluid not spraying.

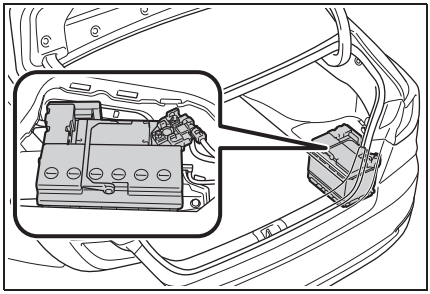
■ Diluting washer fluid

Dilute washer fluid with water as necessary.
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

12-volt battery

Location

The 12-volt battery is located in the right-hand side of the trunk.



■ Before recharging

When recharging, the 12-volt battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following precautions before recharging:

- If recharging with the 12-volt battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the charger is off when connecting and disconnecting the charger cables to the 12-volt battery.

■ After recharging/reconnecting the 12-volt battery

- Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the 12-volt battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the hybrid system with the power switch in ACC*. The hybrid system may not start with the power switch turned off. However, the hybrid system will operate normally from the second attempt.
- The power switch mode is recorded by the vehicle. If the 12-volt battery is

reconnected, the vehicle will return the power switch mode to the status it was in before the 12-volt battery was disconnected. Make sure to turn off the power before disconnecting the 12-volt battery. Take extra care when connecting the 12-volt battery if the power switch mode prior to discharge is unknown.

If the system will not start even after multiple attempts, contact your Toyota dealer.

*: ACC mode can be enabled/disabled on the customize menu. (→P.410)

WARNING

■ Chemicals in the 12-volt battery

The 12-volt 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 the 12-volt battery:

- Do not cause sparks by touching the 12-volt battery terminals with tools.
- Do not smoke or light a match near the 12-volt battery.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the 12-volt battery.
- Keep children away from the 12-volt battery.

■ Where to safely charge the 12-volt battery

Always charge the 12-volt battery in an open area. Do not charge the 12-volt battery in a garage or closed room where there is insufficient ventilation.

■ How to recharge the 12-volt battery

Only perform a slow charge (5 A or less). The 12-volt battery may explode if charged at a quicker rate.

■ Emergency measures regarding electrolyte

- If electrolyte gets in your eyes
  Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.
- If electrolyte gets on your skin
  Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
  It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
  Drink a large quantity of water or milk. Get emergency medical attention immediately.

■ When disconnecting the 12-volt battery

Do not disconnect the negative (-) terminal on the body side. The disconnectednegative (-) terminal may touch the positive (+) terminal, which maycause a short and result in death or serious injury.

■ When replacing the 12-volt battery

Use a 12-volt battery designed for this vehicle. Failure to do so may cause gas (hydrogen) to enter the passenger compartment, causing a fire or explosion.

For replacement of the 12-volt battery, contact your Toyota dealer.

WARNING

■ **When handling the 12-volt battery**

→P.394

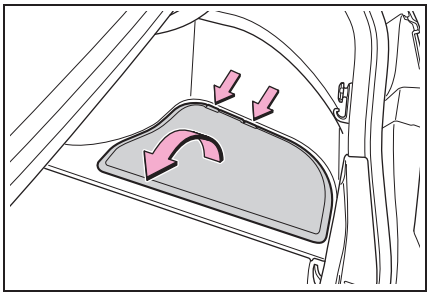
NOTICE

■ **When recharging the 12-volt battery**

Never recharge the 12-volt battery while the hybrid system is operating. Also, be sure all accessories are turned off.

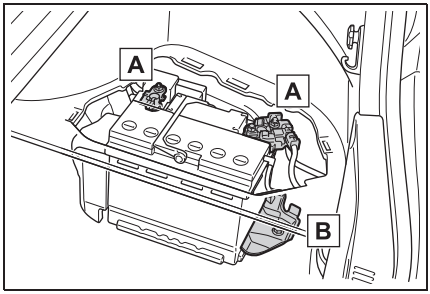
Removing the 12-volt battery cover

Removing the 12-volt battery cover.



Exterior

Make sure that the 12-volt battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.

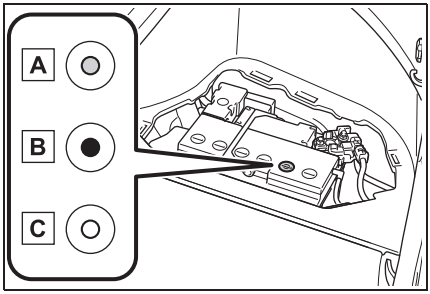


A Terminals

B Hold-down clamp

Checking the 12-volt battery condition

Check the 12-volt battery condition by indicator color.



A Blue: Good condition

B Red: Charging is necessary. Have the vehicle inspected by your Toyota dealer.

C Clear: Replacement is necessary. Have the 12-volt battery checked by your Toyota dealer.

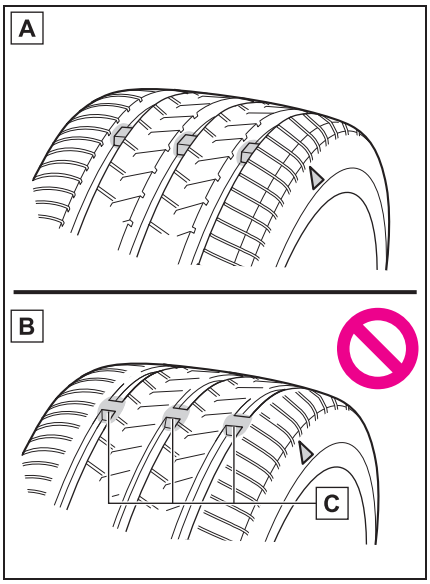
Tires

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

Checking tires

Check if the treadwear indicators are showing on the tires. Also check the tires for uneven wear, such as excessive wear on one side of the tread.

Check the spare tire condition and pressure if not rotated.



A New tread

B Worn tread

C Treadwear indicator

The location of treadwear indicators is shown by a “TWI” or “ △ ” mark, etc., molded into the sidewall of each tire.

Replace the tires if the treadwear indicators are showing on a tire.

When to replace your vehicle’s tires

Tires should be replaced if:

- The treadwear indicators are showing on a tire.
- You have tire damage such as cuts, splits, cracks deep enough to expose the fabric, and bulges indicating internal damage
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage

If you are not sure, consult with your Toyota dealer.

Tire life

Any tire over 6 years old must be checked by a qualified technician even if it has seldom or never been used or damage is not obvious.

Low profile tires (18-inch tires)

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

If the tread on snow tires wears down below 4 mm (0.16 in.)

The effectiveness of the tires as snow tires is lost.

Checking the tire valves

When replacing the tires, check the tire valves for deformation, cracks, and other damage.

WARNING

■ When inspecting or replacing tires

Observe the following precautions to prevent accidents.
Failure to do so may cause damage to parts of the drive train as well as dangerous handling characteristics, which may lead to an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns.
  Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and snow tires.
- Do not use tires that have been used on another vehicle.
  Do not use tires if you do not know how they were used previously.
- Do not tow if your vehicle has a compact spare tire installed.

NOTICE

■ Low profile tires (18-inch tires)

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

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

■ If tire inflation pressure of each tire becomes low while driving

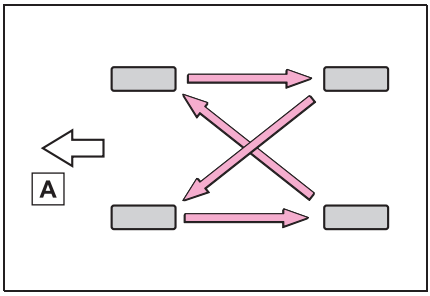
Do not continue driving, or your tires and/or wheels may be ruined.

■ Driving on rough roads

Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

Tire rotation

Rotate the tires in the order shown.



A Front

To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 10000 km (6000 miles).

Tire inflation pressure

Make sure to maintain proper tire inflation pressure. Tire inflation pressure should be checked at least once per month. However, Toyota recommends that tire inflation pressure be checked once every two weeks. (→P.407)

Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel economy
- Reduced driving comfort and poor handling
- Reduced tire life due to wear
- Reduced safety
- Damage to the drive train

If a tire needs frequent inflating, have it checked by your Toyota dealer.

Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold. If your vehicle has been parked for at least 3 hours or has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge. It is difficult to judge if a tire is properly inflated based only on its appearance.
- It is normal for the tire inflation pressure to be higher after driving as heat is generated in the tire. Do not reduce tire inflation pressure after driving.
- Passengers and luggage weight should be placed so that the vehicle is balanced.

WARNING

Proper inflation is critical to save tire performance

Keep your tires properly inflated.
If the tires are not properly inflated, the following conditions may occur which could lead to an accident resulting in death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges on the road, etc.)

NOTICE

When inspecting and adjusting tire inflation pressure

Be sure to put the tire valve caps back on.
If a valve cap is not installed, dirt or moisture may get into the valve and cause an air leak, resulting in decreased tire inflation pressure.

Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause a loss of handling control.

Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width and inset*.

Replacement wheels are available at your Toyota dealer.

*: Conventionally referred to as offset.

Toyota does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

WARNING

■ When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in a loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire.
  Doing so may result in an accident, causing death or serious injury.

■ When installing the wheel nuts

Never use oil or grease on the wheel bolts or wheel nuts.
Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

■ Use of defective wheels prohibited

Do not use cracked or deformed wheels. Doing so could cause the tire to leak air during driving, possibly causing an accident.

Aluminum wheel precautions

- Use only Toyota wheel nuts and wheel nut 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.

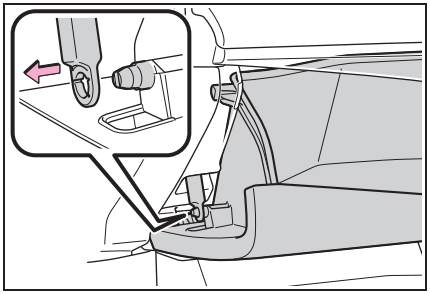
Air conditioning filter

The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

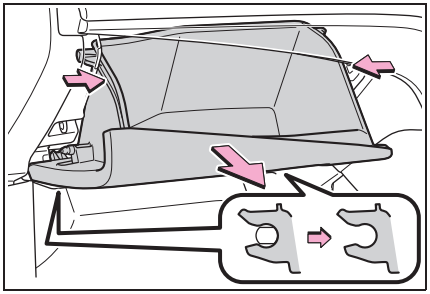
Removing the air conditioning filter

1 Turn the power switch off.

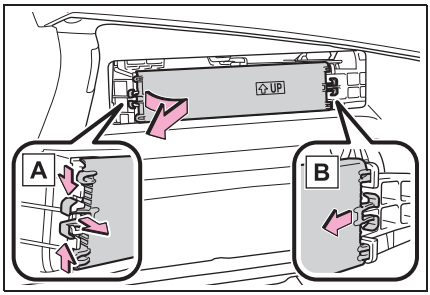
2 Open the glove box. Slide off the damper.



3 Push in the glove box on the vehicle's outer side to disconnect the claws. Then pull out the glove box and disconnect the lower claws.

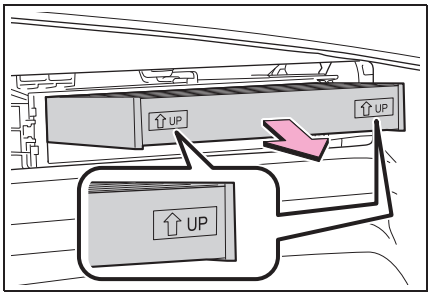


4 Unlock the filter cover (A), pull the filter cover out of the claws (B), and remove the filter cover.



5 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 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.

■ Air conditioning filter with deodorizing function

When fragrances are placed in your vehicle, the deodorizing effect may

become significantly weakened in a short period.
When an air conditioning odor comes out continuously, replace the air conditioning filter.

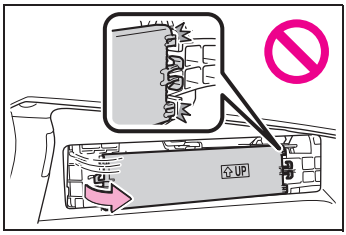
NOTICE

■ When using the air conditioning system

- Make sure that a filter is always installed.
  Using the air conditioning system without a filter may cause damage to the system.
- The filter is replaceable.
  When cleaning the filter, do not clean with water or an air gun.

■ To prevent damage to the filter cover

When moving the filter cover in the direction of arrow to release the fitting, pay attention not to apply excessive force to the claws. Otherwise, the claws may be damaged.



Cleaning the hybrid battery (traction battery) air intake vent

To prevent the fuel economy from being affected, visually inspect the hybrid battery (traction battery) air intake vent periodically for clogs.

If it is dusty or clogged or if "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" is displayed on the multi-information display, clean the air intake vent using the following procedures:

■ Scheduled maintenance of the air intake vent is necessary when

In some situations such as when the vehicle is used frequently or in heavy traffic or dusty areas, the air intake vent may need to be cleaned more regularly.

For details, refer to "Warranty and Service Booklet".

■ Cleaning the air intake vent

Improper handling of the air intake vent cover and filter may result in damage to them. If you have any concerns about cleaning the filter, contact your Toyota dealer.

NOTICE

■ If "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" is displayed on the multi-information display

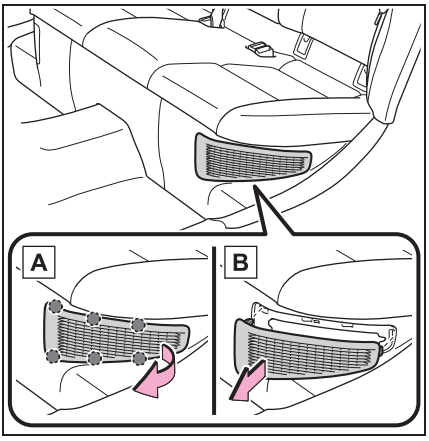
Clean the air intake ventimmediately.

If the vehicle is continuously driven with the warning message displayed, it may cause a malfunction or output restriction of the hybrid battery (traction battery).

Cleaning procedure

1 Turn the power switch off.

2 Remove the air intake vent cover.

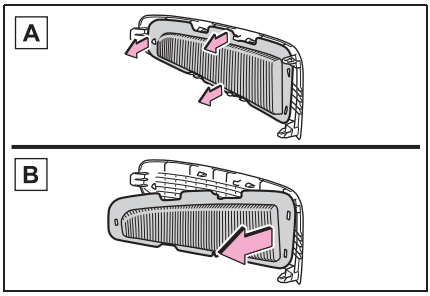


A Pull the cover as shown in the illustration to disengage the 6 claws, starting from the claw in the upper right corner.

B Pull the cover toward the front of the vehicle to remove it.

3 Remove the filter from the air intake vent cover.

If dust has accumulated on the air intake vent cover, remove the dust with a vacuum cleaner, etc.

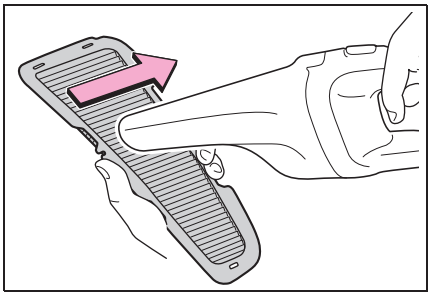


A Disengage the claw as shown in the illustration.

B Remove the filter from the cover.

4 Remove the dust and sand from the filter.

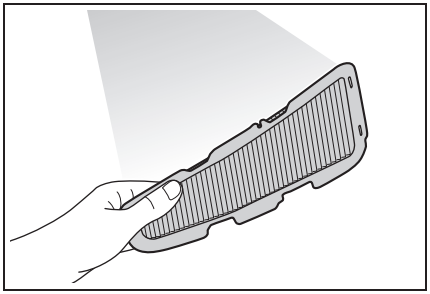
Using a vacuum cleaner, etc., absorb dust and sand from the filter by profiling the nozzle lightly along the fold.



5 Hold the filter to the light and check if it is not clogged.

If the dust or sand cannot be removed

completely, contact your Toyota dealer.



6 Install the filter in its original position, and then install the air intake vent cover.

▶ If “Maintenance Required for Traction Battery Cooling Parts See Owner’s Manual” is displayed on the multi-information display

7 Start the hybrid system and check that the warning message is no longer displayed.

It may be necessary to drive the vehicle for warning message is displayed again then disappears.

If the warning message does not disappear after some time, have the vehicle inspected by your Toyota dealer.

■ If the dust or sand on the filter cannot be removed

It is recommended to use a vacuum cleaner with plastic brushes.

WARNING

■ When cleaning the air intake vent

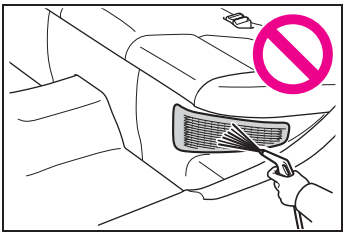
- Do not use water or other liquids to clean the air intake vent. If water is applied to the hybrid battery (traction battery) or other components, a malfunction or fire may occur.
- Before cleaning the air intake vent, make sure to turn the power switch off to stop the hybrid system.
- Do not put a hand or leg in the air intake vent. If it is caught in a cooling fan, or if it touches a high voltage part that results in an electric shock, death or serious injuries may result.

NOTICE

■ When cleaning the air intake vent

Do not use an air blow gun, etc.

Dust may be blown out, possibly causing a malfunction or output restriction of the hybrid battery (traction battery).



■ To prevent damage to the vehicle

Observe the following precautions:

- Do not allow water or foreign matter to enter the air intake vent.
- Make sure to reinstall the filter and cover to their original positions after cleaning.
- Do not install anything to the air intake vent other than the exclusive filter for this vehicle or use the vehicle without the filter installed.

■ To prevent damage to the filter

Observe the following precautions. If the filter is damaged, have it replaced with a new filter by your Toyota dealer.

- Do not use an air blow gun, etc.

NOTICE

- Do not press hard a vacuum cleaner, etc. against the filter.
- Do not use a hard brush, such as a metal brush.
- Do not break the fold of the filter.

Electronic key battery

Replace the battery with a new one if it is depleted.
As the key may be damaged if the following procedure is not performed properly, it is recommended that key battery replacement be performed by your Toyota dealer.

If the electronic key battery is depleted

The following symptoms may occur:

- The smart entry & start system and wireless remote control will not function properly.
- The operational range will be reduced.

Items to prepare

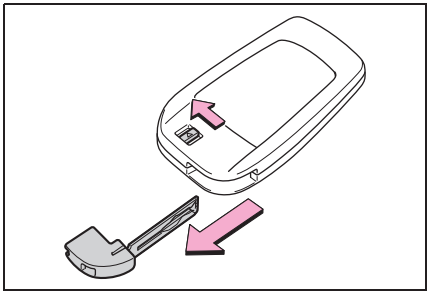
- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery CR2450

Use a CR2450 lithium battery

- Batteries can be purchased at your Toyota dealer, local electrical appliance shops or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to local laws.

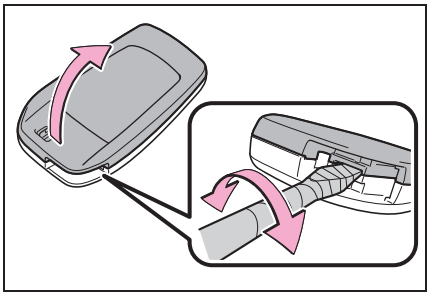
Replacing the battery

1 Release the lock and remove the mechanical key.



2 Remove the key cover.

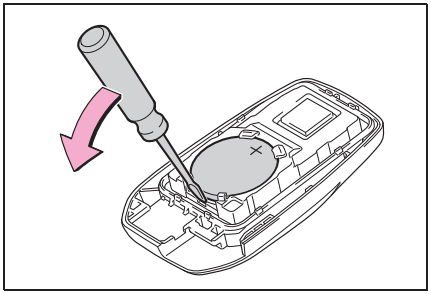
To prevent damage to the key, cover the tip of the flathead screwdriver with a rag.



3 Remove the depleted battery using a small flathead screwdriver.

When removing the cover, the electronic key module may stick to the cover and the battery may not be visible. In this case, remove the electronic key module in order to remove the battery.

Insert a new battery with the “+” terminal facing up.



4 When installing the key cover and mechanical key, install by conducting step 2 and step 1 with the directions reversed.

5 Operate the or switch and check that the doors can be locked/unlocked.

WARNING

■ Battery precautions

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

- Do not swallow the battery. Doing so may cause chemical burns.
- A coin battery or button battery is used in the electronic key. If a battery is swallowed, it may cause severe chemical burns in as little as 2 hours and may result in death or serious injury.
- Keep away new and removed batteries from children.
- If the cover cannot be firmly closed, stop using the electronic key and stow the key in the place where children cannot reach, and then contact your Toyota dealer.
- If you accidentally swallow a battery or put a battery into a part of your body, get emergency medical attention immediately.

WARNING

■ **To prevent battery explosion or leakage of flammable liquid or gas**

- Replace the battery with a new battery of the same type. If a wrong type of battery is used, it may explode.
- Do not expose batteries to extremely low pressure due to high altitude or extremely high temperatures.
- Do not burn, break or cut a battery.

NOTICE

■ **When replacing the battery**

Use a flathead screwdriver of appropriate size. Applying excessive force may deform or damage the cover.

■ **For normal operation after replacing the battery**

Observe the following precautions to prevent accidents:

- Always work with dry hands. Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.
- Do not bend either of the battery terminals.

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.

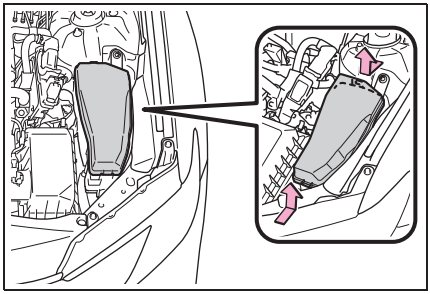
Checking and replacing fuses

1 Turn the power switch off.

2 Open the fuse box cover.

▶ Engine compartment

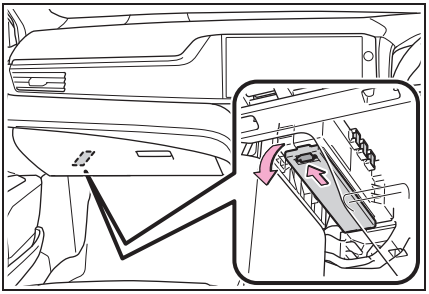
Push the tabs in and lift the lid off.



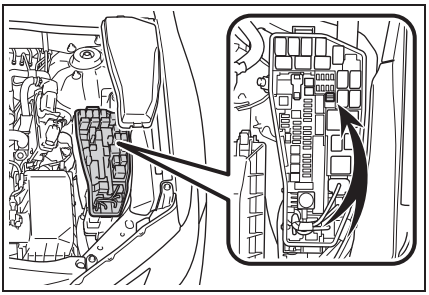
▶ Under the passenger's side instrument panel

Remove the cover and then remove the lid.

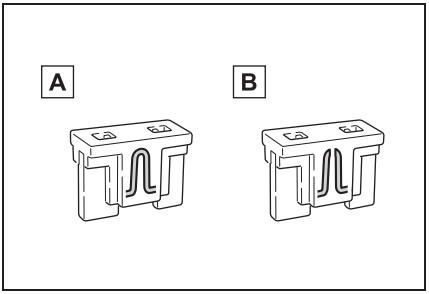
Make sure to push the claw when removing/installing the lid.



3 Remove the fuse with the pull-out tool.
Only some fuses can be removed using the pullout tool.



4 Check if the fuse is blown.



A Normal fuse

B Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

Many types of fuse are used on this vehicle. This illustration shows a common type of fuse used on this vehicle.

After a fuse is replaced

- When installing the lid, make sure that the tab is installed securely.
- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P.346)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

If there is an overload in a circuit

The fuses are designed to blow, protecting the wiring harness from damage.

When replacing light bulbs

Toyota recommends that you use genuine Toyota products designed for this vehicle.
Because certain bulbs are connected to circuits designed to prevent overload, non-genuine parts or parts not designed for this vehicle may be unusable.

WARNING

To prevent system breakdowns and vehicle fire

Observe the following precautions. Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
  Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuses or fuse boxes.

NOTICE

■ Before replacing fuses

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

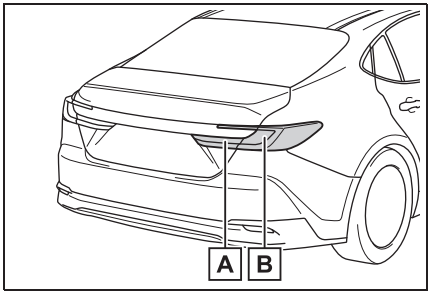
Light bulbs

You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. As there is a danger that components may be damaged, we recommend that replacement is carried out by your Toyota dealer.

Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P.408)

Bulb locations



A Back-up lights (bulb type)

B Rear turn signal lights (bulb type)

■ Bulbs that need to be replaced by your Toyota dealer

- Headlights
- Daytime running lights
- Front position lights
- Front turn signal lights

- Front fog lights (if equipped)
- Side turn signal lights
- Stop lights
- Tail lights
- Back-up lights (LED type)
- High mounted stoplight
- Rear turn signal lights (LED type)
- License plate lights

■ LED light bulbs

The lights other than the back-up lights (bulb type) and rear turn signal lights (bulb type) consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Toyota dealer to have the light replaced.

■ Condensation build-up on the inside of the lens

Temporary condensation build-up on the inside of the lens of any lights does not indicate a malfunction. Contact your Toyota dealer for more information in the following situations:

- Large drops of water have built up on the inside of the lens of any light.
- Water has built up inside of any lights.

■ When replacing light bulbs

→P.345

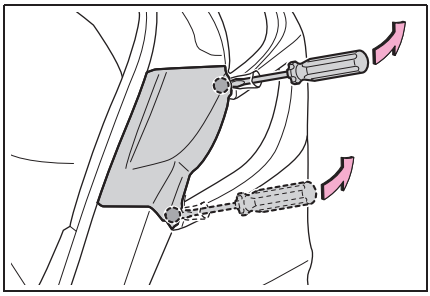
Replacing light bulbs

■ Rear turn signal lights (bulb type)

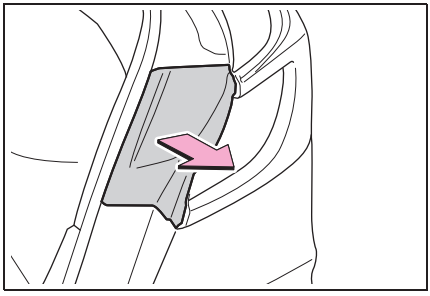
1 Open the trunk lid.

2 Insert a flathead screwdriver between the cover and the light assembly and pry up the cover to disengage the claws (indicated by a dotted line).

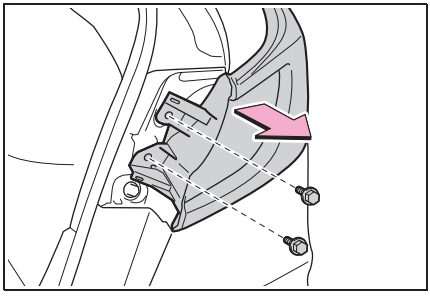
To prevent scratching the vehicle, wrap the tip of the flathead screwdriver with a cloth, etc.



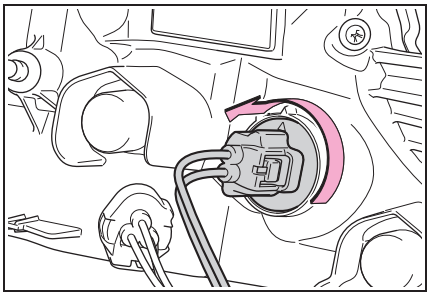
3 Pull the cover toward the rear of the vehicle and remove the cover.



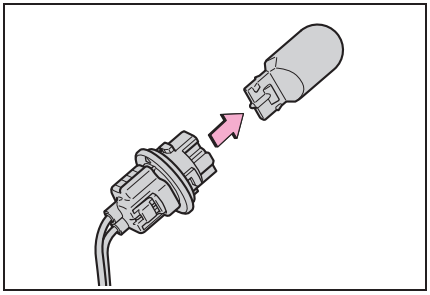
4 Remove the 2 screws and then remove the light assembly by pulling it straight back.



5 Turn the bulb base counterclockwise.



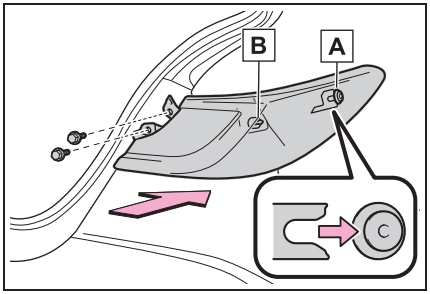
6 Remove the light bulb.



7 When installing the light bulb, install it by conducting steps 6 and 5 with the directions reversed.

8 Install the light assembly and then install the 2 screws.

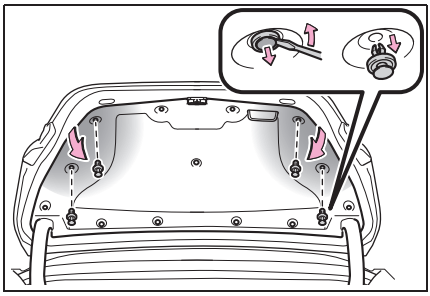
Align the guide A and pin B on the light assembly with the mounting when installing it.



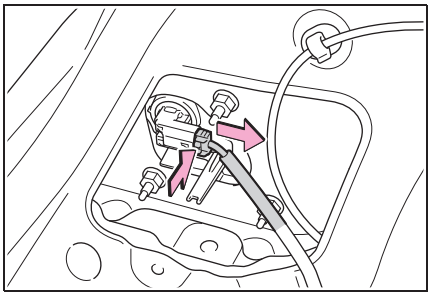
9 Install the cover.

■ Back-up lights (bulb type)

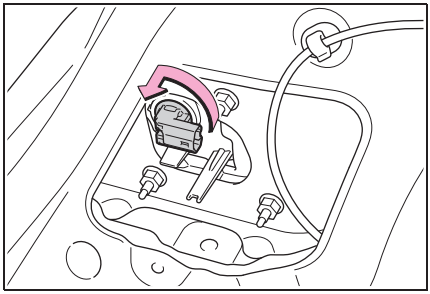
1 Open the trunk lid, remove the clips, and pull back the cover.



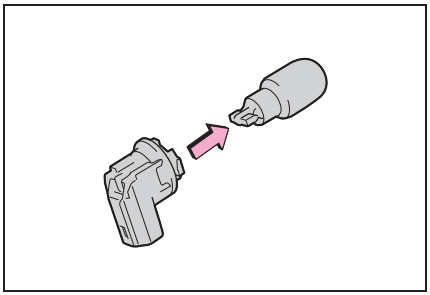
2 Disconnect the connector while depressing the lock release.



3 Turn the bulb base counterclockwise and remove it.

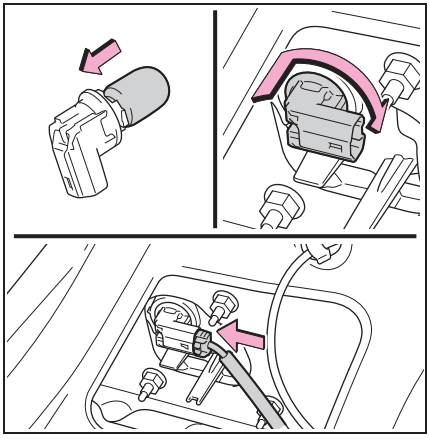


4 Remove the light bulb.

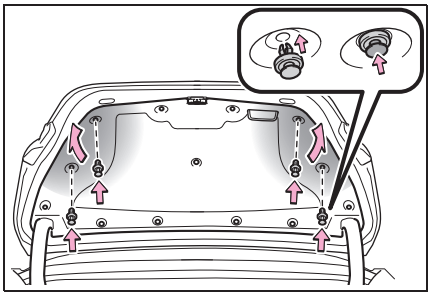


5 Install a new light bulb, install the bulb base to the light unit, turn the bulb base clockwise, and connect the connector.

After installing the bulb base, wiggle it lightly to make sure it is securely installed and turn on the back-up lights to visually check that there is no light leaking from between the bulb base and light unit.



6 Reinstall the trunk lid cover with the clips.



WARNING

■ Replacing light bulbs

- Turn off the lights. Do not attempt to replace the bulb immediately after turning off the lights. The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. When it is unavoidable to hold the glass portion, use and hold with a clean dry cloth to avoid getting moisture and oils on the bulb. Also, if the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failure to do so may result in heat damage, fire, or water entering the light unit. This may damage the lights or cause condensation to build up on the lens.
- Do not attempt to repair or disassemble the light bulbs, connectors, electric circuits or component parts. Doing so may result in death or serious injury due to electric shock.

■ To prevent damage or fire

- Make sure bulbs are fully seated and locked.

WARNING

- Check the wattage of the bulb before installing to prevent heat damage.

Emergency flashers

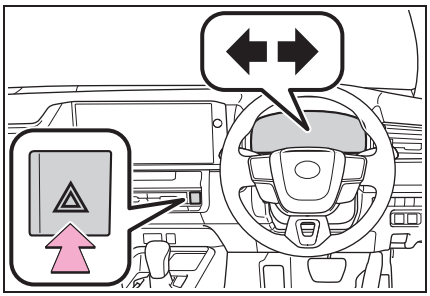
The emergency flashers are used to warn other drivers when the vehicle has to be stopped on the road due to a breakdown, etc.

Operating instructions

Press the switch.

All the turn signal lights will flash.

To turn them off, press the switch once again.



■ Emergency flashers

- If the emergency flashers are used for a long time while the hybrid system is not operating (while the “READY” indicator is not illuminated), the 12-volt battery may discharge.
- If any of the SRS airbags deploy (inflate) or in the event of a strong rear impact, the emergency flashers will turn on automatically.
  The emergency flashers will turn off automatically after operating for approximately 20 minutes. To manually turn the emergency flashers off, press the switch twice.
  (The emergency flashers may not turn on automatically depending on the force of the impact and conditions of the collision.)

If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

Stopping the vehicle

1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

2 Shift the shift lever to N.

▶ If the shift lever is shifted to N

3 After slowing down, stop the vehicle in a safe place by the road.

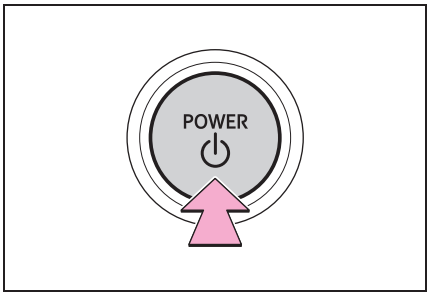
4 Stop the hybrid system.

▶ If the shift lever cannot be shifted to N

3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.

4 To stop the hybrid system, press and hold the power switch for 2 consecutive seconds or more,

or press it briefly 3 times or more in succession.



5 Stop the vehicle in a safe place by the road.

WARNING

■ If the hybrid system has to be turned off while driving

Power assist for the steering wheel will be lost, making the steering wheel heavier to turn. Decelerate as much as possible before turning off the hybrid system.

If the vehicle is submerged or water on the road is rising

This vehicle is not designed to be able to drive on roads that are deeply flooded with water. Do not drive on roads where the roads may be submerged or the water may be rising. It is dangerous to remain in the vehicle, if it is anticipated that the vehicle will be flooded or set adrift. Remain calm and follow the following.

- If the door can be opened, open the door and exit the vehicle.
- If the door cannot be opened, open the window using the power window switch and ensure an escape route.
- If the window can be opened, exit the vehicle through the window.
- If the door and window cannot be opened due to the rising water, remain calm, wait until the water level inside the vehicle rises to the point that the water pressure inside of the vehicle equals the water pressure outside of the vehicle and then open the door after waiting for the rising water to enter the vehicle, and exit the vehicle.

When the outside water level exceeds half the height of the door, the door cannot be opened from the inside due

to water pressure.

Water level exceeds the floor

When the water level exceeds the floor and time has passed, the electrical equipment will get damaged, the power windows will not operate, the engine and motor stop, and the vehicle may not be able to get moving.

Using an emergency escape hammer*

Laminated glass is used in the windshield on this vehicle.

Laminated glass cannot be shattered with an emergency hammer*.

Tempered glass is used in the windows on this vehicle.

*: Contact your Toyota dealer or aftermarket accessory manufacturer for further information about an emergency hammer.

WARNING

Caution while driving

Do not drive on roads where the roads may be submerged or the water may be rising. Otherwise the vehicle may be damaged and cannot move, as well as become flooded and set adrift, which may lead to death.

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Toyota dealer or commercial towing service, using a wheel-lift type truck or flatbed truck.
Use a safety chain system for all towing, and abide by all state/provincial and local laws.

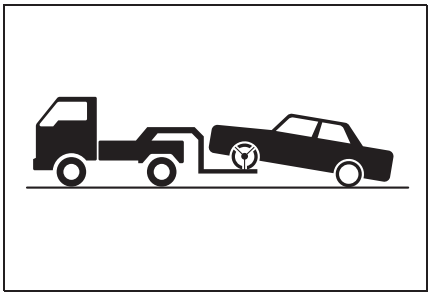
Situations when it is necessary to contact dealers before towing

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

- The hybrid system warning message is shown on the multi-information display and the vehicle does not move.
- The vehicle makes an abnormal sound.

Towing with a wheel-lift type truck

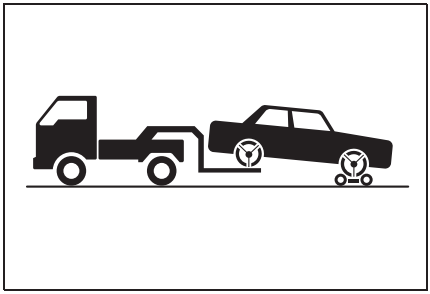
▶ From the front



Release the parking brake.

Turn automatic mode off. (→P.176)

▶ From the rear



Use a towing dolly under the front wheels.

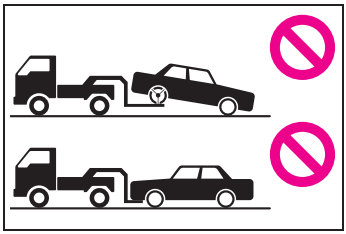
WARNING

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

WARNING

■ When towing the vehicle

Be sure to transport the vehicle with the front wheels raised or with all four wheels raised off the ground. If the vehicle is towed with the front wheels contacting the ground, the drivetrain and related parts may be damaged or electricity generated by the operation of the motor may cause a fire to occur depending on the nature of the damage or malfunction.



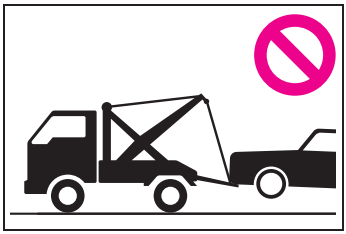
NOTICE

■ To prevent damage to the vehicle when towing using a wheel-lift type truck

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 sling-type truck

Do not tow with a sling-type truck to prevent body damage.



Using a flatbed truck

When using a flat-bed truck to transport the vehicle, use tire strapping belts. Refer to the owner's manual of the flat-bed truck for the tire strapping method.

In order to suppress vehicle movement during transportation, set the parking brake and turn the power switch off.

Emergency towing

If a tow truck is not available in an emergency, your vehicle may be temporarily towed using cables or chains secured to the emergency towing eyelets. This should only be attempted on hard surfaced roads for short distances at under 30 km/h (18 mph).

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.

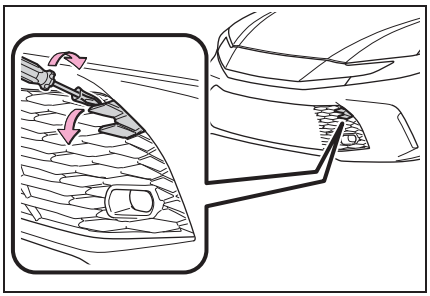
Emergency towing procedure

To have your vehicle towed by another vehicle, the towing eyelet must be installed to your vehicle. Install the towing eyelet using the following procedure.

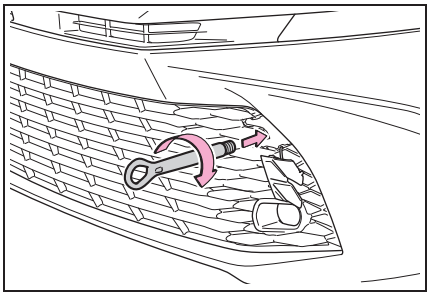
1 Take out the wheel nut wrench, flathead screwdriver and towing eyelet. (→P.380)

2 Remove the eyelet cover using a flathead screwdriver.

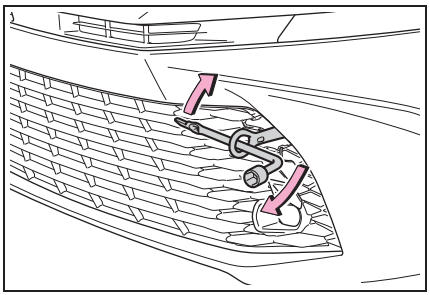
To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.



3 Insert the towing eyelet into the hole and tighten partially by hand.



4 Tighten down the towing eyelet securely using a wheel nut wrench or hard metal bar.



5 Securely attach cables or chains to the towing eyelet.

Take care not to damage the vehicle body.

6 Enter the vehicle being towed and start the hybrid system.

If the hybrid system does not start, turn the power switch to ON.

7 Shift the shift lever to N and release the parking brake.

Turn automatic mode off. (→P.176)

When the shift lever cannot be shifted: →P.172

While towing

If the hybrid system is off, the power assist for the brakes and steering will not function, making steering and braking more difficult.

Wheel nut wrench

Wheel nut wrench is installed in trunk. (→P.379)

WARNING

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

While towing

When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing eyelet, cables or chains. The towing eyelet, cables or chains may become damaged, broken debris may hit people, and cause serious damage.

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.

NOTICE

■ To prevent damage to the vehicle during emergency towing

Do not secure cables or chains to the suspension components.

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 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 hybrid system

Operational symptoms

- Engine missing, stumbling or running roughly
- Appreciable loss of power
- Vehicle pulls heavily to one side when braking

- Vehicle pulls heavily to one side when driving on a level road
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

If a warning light turns on or a warning buzzer sounds

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Toyota dealer.

Actions to the warning lights or warning buzzers

■ Brake system warning light (warning buzzer)

Warning light	Details/Actions
 (Red)	Indicates that: ● The brake fluid level is low; or ● The brake system is malfunctioning → **Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.**

■ Brake system warning light (warning buzzer)

Warning light	Details/Actions
 (Yellow)	Indicates a malfunction in: ● The regenerative braking system; ● The electronically controlled brake system; or ● The parking brake system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ High coolant temperature warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates that the engine coolant temperature is excessively high → **Immediately stop the vehicle in a safe place.** **Handling method (→P.396)**

*: This light illuminates on the multi-information display.

■ Hybrid system overheat warning light* (warning buzzer)

Warning light	Details/Actions
 or 	Indicates that the temperature of the hybrid system is excessively high → **Stop the vehicle in a safe place.** **Handling method (→P.396)**

*: This light illuminates on the multi-information display.

■ Charging system warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates a malfunction in the vehicle's charging system → **Immediately stop the vehicle in a safe place and contact your Toyota dealer.**

*: This light illuminates on the multi-information display.

■ Low engine oil pressure warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates that the engine oil pressure is excessively low → **Immediately stop the vehicle in a safe place and contact your Toyota dealer.**

*: This light illuminates on the multi-information display.

■ Malfunction indicator lamp (warning buzzer)

Warning light	Details/Actions
	Indicates a malfunction in: ● The hybrid system; ● The electronic engine control system; or ● The electronic throttle control system → **Immediately stop the vehicle in a safe place and contact your Toyota dealer.**

■ SRS warning light

Warning light	Details/Actions
	Indicates a malfunction in: ● The SRS airbag system; or ● The seat belt pretensioner system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ ABS warning light

Warning light	Details/Actions
	Indicates a malfunction in: ● The ABS; or ● The brake assist system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Inappropriate pedal operation warning light* (warning buzzer)

Warning light	Details/Actions
	When a buzzer sounds: ● Brake Override System is malfunctioning ● Drive-Start Control is malfunctioning ● Drive-Start Control is operating → **Follow the instructions displayed on the multi-information display.** When a buzzer does not sound: Brake Override System is operating. → **Release the accelerator pedal and depress the brake pedal.**

*: This light illuminates on the multi-information display.

■ Electric power steering system warning light (warning buzzer)

Warning light	Details/Actions
 (Red) or  (Yellow)	Indicates a malfunction in the EPS (Electric Power Steering) system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Low fuel level warning light

Warning light	Details/Actions
	Indicates that remaining fuel is approximately 6.7 L (1.8 gal., 1.5 Imp. gal.) or less → **Refuel the vehicle.**

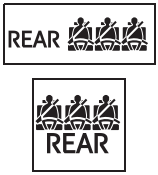
■ Driver's and front passenger's seat belt reminder light (warning buzzer)*

Warning light	Details/Actions
	Warns the driver and/or front passenger to fasten their seat belts → **Fasten the seat belt.** **If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) turn off.**

*: Driver's and front passenger's seat belt warning buzzer:

The driver's and front passenger's seat belt warning buzzer sounds to alert the driver and front passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

■ Rear passengers' seat belt reminder lights (warning buzzer)*

Warning light	Details/Actions
	Warns the rear passengers to fasten their seat belts → **Fasten the seat belt.**

*: Rear passengers' seat belt warning buzzer:

The rear passengers' seat belt warning buzzer sounds to alert the rear passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

■ PCS warning light (warning buzzer)

Warning light	Details/Actions
	Indicates a malfunction in the PCS (Pre-Collision System). → **Follow the instructions displayed on the multi-information display.** If the PCS (Pre-Collision System) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate.

■ LTA indicator (warning buzzer)

Warning light	Details/Actions
 (Yellow)	Indicates a malfunction in the LTA (Lane Tracing Assist). → **Follow the instructions displayed on the multi-information display.**

■ LDA indicator (warning buzzer)

Warning light	Details/Actions
 (Yellow)	Indicates a malfunction in the LDA (Lane Departure Alert). → **Follow the instructions displayed on the multi-information display.**

■ Dynamic radar cruise control indicator (warning buzzer)

Warning light	Details/Actions
 (Yellow)	Indicates a malfunction in the dynamic radar cruise control. → **Follow the instructions displayed on the multi-information display.**

■ Cruise control indicator (warning buzzer)

Warning light	Details/Actions
 (Yellow)	Indicates a malfunction in the cruise control. → **Follow the instructions displayed on the multi-information display.**

Driving assist information indicator

Warning light	Details/Actions
	Indicates either of the following systems may be malfunctioning. ● PCS (Pre-Collision System) ● LDA (Lane Departure Alert) → **Follow the instructions displayed on the multi-information display.** Indicates any of the following systems are malfunctioning, disabled, or turned off. ● PKSB (Parking Support Brake) ● RCD (Rear Camera Detection) ● BSM (Blind Spot Monitor) ● RCTA (Rear cross traffic alert) ● Safe Exit Assist → **Follow the instructions displayed on the multi-information display.**

Toyota parking assist-sensor OFF indicator (warning buzzer)

Warning light	Details/Actions
	When a buzzer sounds: Indicates a malfunction in the Toyota parking assist-sensor function → **Have the vehicle inspected by your Toyota dealer immediately.** When a buzzer does not sound: Indicates that the system is temporarily unavailable, possibly due to a sensor being dirty or covered with ice, etc. → **Follow the instructions displayed on the multi-information display. (→P.373)**

Slip indicator

Warning light	Details/Actions
	Indicates a malfunction in: ● The VSC system; ● The TRC system; or ● The hill-start assist control system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Parking brake indicator

Warning light	Details/Actions
 (Flashes)	It is possible that the parking brake is not fully engaged or released. → **Operate the parking brake switch once again.** This light 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.

■ Brake hold operated indicator

Warning light	Details/Actions
 (Flashes)	Indicates a malfunction in the brake hold system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Warning buzzer

In some cases, the buzzer may not be heard due to being in a noisy location or audio sound.

■ Front passenger detection sensor, seat belt reminder and warning buzzer

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash and the warning buzzer to sound even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

■ If the malfunction indicator lamp comes on while driving

The malfunction indicator lamp will come on if the fuel tank becomes completely empty. If the fuel tank is empty, refuel the vehicle immediately. The malfunction indicator lamp will go off after several trips.

If the malfunction indicator lamp does not go off, contact your Toyota dealer as soon as possible.

■ Electric power steering system warning light (warning buzzer)

When the 12-volt battery charge becomes insufficient or the voltage temporarily drops, the electric power steering system warning light may come on and the warning buzzer may sound.

WARNING

■ If both the ABS and the brake system warning lights remain on

Stop your vehicle in a safe place immediately and contact your Toyota dealer.
The vehicle will become extremely unstable during braking, and the ABS system may fail, which could cause an accident resulting in death or serious injury.

WARNING

■ When the electric power steering system warning light comes on

When the light comes on yellow, the assist to the power steering is restricted. When the light comes on red, the assist to the power steering is lost and handling operations of the steering wheel become extremely heavy.
When steering wheel operations are heavier than usual, grip the steering wheel firmly and operate it using more force than usual.

If a warning message is displayed

The multi-information display shows warnings for system malfunctions and incorrectly performed operations, and messages that indicate a need for maintenance. When a message is displayed, perform the appropriate corrective action for the message.

If a warning message is displayed again after the appropriate actions have been performed, contact your Toyota dealer.

Additionally, if a warning light comes on or flashes at the same time that a warning message is displayed, take the appropriate corrective action for the warning light. (→P.360)

■ Warning messages

The warning messages explained below may differ from the actual messages according to operation conditions and vehicle specifications.

■ Warning buzzer

In some cases, the buzzer may not be heard due to being in a noisy location or audio sound.

Messages and warnings

■ If “Engine Oil Level Low Add or Replace” is displayed

Cause	Actions
The engine oil level may be low.	Check the level of the engine oil, and add engine oil if necessary. (→P.327) This message may be displayed if the vehicle is stopped on a slope. Move the vehicle to a level surface and check if the message disappears.

■ If “Hybrid System Stopped Steering Power Low” is displayed

Cause	Actions
This message is displayed if the hybrid system is stopped while driving.	When steering wheel operations are heavier than usual, grip the steering wheel firmly and operate it using more force than usual.

■ If “Auto Power OFF to Conserve Battery” is displayed

Cause	Actions
Power was turned off due to the automatic power off function.	Next time when starting the hybrid system, operate the hybrid system for approximately 5 minutes to recharge the 12-volt battery.

■ If “Shift is in N Release Accelerator Before Shifting” is displayed

Cause	Actions
The accelerator pedal has been depressed when the shift lever is in N.	Release the accelerator pedal and change the shift the shift lever to D, S or R.

■ If “Press brake when vehicle is stopped Hybrid system may overheat” is displayed

Cause	Actions
The message may be displayed when the accelerator pedal is depressed to hold the vehicle while the vehicle is stopped on an incline, etc.	The hybrid system may overheat. Release the accelerator pedal and depress the brake pedal.

If “12-Volt Battery Charging System Malfunction Stop in a Safe Place See Owner's Manual” is displayed

Cause	Actions
It may indicate a malfunction.	Immediately stop the vehicle and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.

If “Traction battery needs to be protected. Shift into P to restart.” is displayed

Cause	Actions
This message is displayed when the hybrid battery (traction battery) charge has become extremely low because the vehicle has been left with the N shift position selected for a certain amount of time.	When operating the vehicle, shift to P and restart the hybrid system.

If “Traction battery needs to be protected. Refrain from the use of N position.” is displayed

Cause	Actions
This message may be displayed when the shift position is in N.	As the hybrid battery (traction battery) cannot be charged when the shift position is in N, shift the shift position to P when the vehicle is stopped.

If “Hybrid System Overheated Output Power Reduced” is displayed

Cause	Actions
This message may be displayed when driving under severe operating conditions. (For example, when driving up a long steep hill.)	→P.396

If “Maintenance Required For Traction Battery At Your Dealer” is displayed

Cause	Actions
The hybrid battery (traction battery) is scheduled to be inspected or replaced.	Have the vehicle inspected by your Toyota dealer immediately. • Continuing to drive the vehicle without having the hybrid battery (traction battery) inspected will cause the hybrid system not to start. • If the hybrid system does not start, contact your Toyota dealer immediately.

If “Headlight System Malfunction Visit Your Dealer” is displayed

Cause	Actions
The following systems may be malfunctioning. • The LED headlight system • AHB (Automatic High Beam)	Have the vehicle inspected by your Toyota dealer immediately.

If “Engine Coolant Temp High Stop in a Safe Place See Owner's Manual” is displayed

Actions
→P.396

If “Smart Entry & Start System Malfunction See Owner's Manual” is displayed

Cause	Actions
It may indicate a malfunction.	Have the vehicle checked by your Toyota dealer immediately.

If “Braking Power Low Stop in a Safe Place See Owner’s Manual” is displayed

Cause	Actions
It may indicate a malfunction.	Immediately stop the vehicle and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.

If “Oil Pressure Low Stop in a Safe Place See Owner's Manual” is displayed

Cause	Actions
It may indicate a malfunction.	Immediately stop the vehicle and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.

If “High Power Consumption Power to Climate Temporarily Limited” is displayed

Cause	Actions
If this message is displayed frequently, there is a possible malfunction relating to the charging system or the 12-volt battery may be deteriorating.	Have the vehicle checked by your Toyota dealer.

If a message that indicates the need for visiting your dealer is displayed

Cause	Actions
The system or part shown on the multi-information display is malfunctioning.	Have the vehicle inspected by your Toyota dealer immediately.

If “Oil Maintenance Required Soon” is displayed

Cause	Actions
Indicates that the engine oil should be scheduled to be changed.	Check the engine oil and change it if necessary. After changing the engine oil, make sure to reset the message. (→P.328)

If “Oil Maintenance Required Visit Your Dealer” is displayed

Cause	Actions
Indicates that the engine oil should be changed.	Check and change the engine oil, and oil filter by your Toyota dealer. After changing the engine oil, make sure to reset the message. (→P.328)

If “Maintenance Required for Traction Battery Cooling Parts See Owner's Manual” is displayed

Cause	Actions
The filter may be clogged, the air intake vent may be blocked, or there may be a gap in the duct.	• Cleaning the hybrid battery (traction battery) air intake vent. (→P.339) • If the warning message is shown even if the vent are cleaned, have the vehicle inspected by your Toyota dealer.

If “Low 12-volt Battery See Owner's Manual” is displayed

Actions
• When the display goes off after several seconds: Maintain the hybrid system operation for more than 15 minutes and charge the 12-volt battery. • When the display does not go off: Start up the hybrid system using the procedures for if the 12-volt battery is discharged (→P.390).

If “System Malfunction Visit Your Dealer” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • PCS (Pre-Collision System) • LDA (Lane Departure Alert) • LTA (Lane Tracing Assist) • AHB (Automatic High Beam) • Dynamic radar cruise control system • RSA (Road Sign Assist) • BSM (Blind Spot Monitor) • RCTA (Rear Cross Traffic Alert) • Safe Exit Assist • Toyota parking assist-sensor • PKSB (Parking Support Brake) • RCD (Rear camera detection)	Have the vehicle inspected by your Toyota dealer immediately.

If “System Stopped See Owner's Manual” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • PCS (Pre-Collision System) • LDA (Lane Departure Alert) • LTA (Lane Tracing Assist) • AHB (Automatic High Beam) • Dynamic radar cruise control system • RSA (Road Sign Assist) • BSM (Blind Spot Monitor) • RCTA (Rear Cross Traffic Alert) • Safe Exit Assist • Toyota parking assist-sensor • PKSB (Parking Support Brake) • RCD (Rear camera detection)	Follow the following correction methods. • Check the voltage of the 12-volt battery • Check the sensors that the Toyota Safety Sense uses for foreign matter covering them. Remove them if any. (→P.193) • Check if the trunk is open.
Indicates the sensors may not be operating properly. • BSM (Blind Spot Monitor) (→P.244) • RCTA (Rear Cross Traffic Alert) (→P.259) • Safe Exit Assist (→P.248) • Toyota parking assist-sensor (→P.252) • PKSB (static objects front and rear of the vehicle) (→P.272) • PKSB (moving vehicles rear of the vehicle) (→P.273) • PKSB (pedestrians rear of the vehicle) (→P.275) • RCD (Rear camera detection) (→P.263)	• Check the rear bumper around the sensors (→P.241) used by the BSM, Safe Exit Assist and RCTA for foreign matter covering them. Remove them if any. • Check the sensors including camera sensors used by the Toyota parking assist-sensor and PKSB for foreign matter covering them. Remove them if any. • When problems are solved and the sensors are operational, this indication may disappear by itself.

If “System Stopped Front Camera Low Visibility See Owner's Manual” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • PCS (Pre-Collision System) • LDA (Lane Departure Alert) • LTA (Lane Tracing Assist) • AHB (Automatic High Beam) • Dynamic radar cruise control system • RSA (Road Sign Assist)	Follow the following correction methods. • Using the windshield wipers, remove the dirt or foreign matter from the windshield. • Using the air conditioning system, defog the windshield. • Close the hood, remove any stickers, etc. to clear the obstruction in front of the front camera.

If “System Stopped Front Camera Out of Temperature Range Wait until Normal Temperature” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • PCS (Pre-Collision System) • LDA (Lane Departure Alert) • LTA (Lane Tracing Assist) • AHB (Automatic High Beam) • Dynamic radar cruise control system • RSA (Road Sign Assist)	Follow the following correction methods. • If the front camera is hot, such as after the vehicle is parked in the sun, use the air conditioning system to decrease the temperature around the front camera • If a sunshade was used when the vehicle was parked, depending on its type, the sunlight reflected from the surface of the sunshade may cause the temperature of the front camera to become excessively high • If the front camera is cold, such after the vehicle is parked in an extremely cold environment, use the air conditioning system to increase the temperature around the front camera

If “System Stopped Front Radar Sensor Blocked Clean Radar Sensor” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • PCS (Pre-Collision System) • LTA (Lane Tracing Assist) • Dynamic radar cruise control system	Follow the following correction methods. • Check if there is any foreign matter attached to the radar sensor or radar sensor cover and clean them if necessary (→P.194) • This message may be displayed when driving in an open area with few nearby vehicles or structures, such as a desert, grasslands, suburbs, etc. The message may be cleared by driving the vehicle in an area with structures, vehicles, etc. nearby.

If “System Stopped Front Radar Sensor Out of Temp. Range Wait until Normal Temperature” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • PCS (Pre-Collision System) • LTA (Lane Tracing Assist) • Dynamic radar cruise control system	The temperature of the radar sensor is outside of the operating range. Wait for the temperature to become appropriate.

If “System Stopped Front Radar in Self Calibration See Owner's Manual” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • PCS (Pre-Collision System) • LTA (Lane Tracing Assist) • Dynamic radar cruise control system	Follow the following correction methods. • Check if there is any foreign matter attached to the radar sensor or radar sensor cover and clean them if necessary (→P.194) • The radar sensor may be misaligned and will be adjusted automatically while driving. Continue driving for a while.

If “Cruise Control Unavailable See Owner's Manual” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • Dynamic radar cruise control • Cruise control A message is displayed when the driving assist switch is pushed repeatedly.	Press the driving assist switch quickly and firmly.

If “Driver Monitor Out of Temperature Range Wait until Normal Temperature” is displayed

Cause	Actions
Indicates the driver monitor is disabled.	The temperature of the driver monitor camera is outside of the operating range. Wait for the temperature to become appropriate.

If “Driver Monitor Unavailable See Owner's Manual” is displayed

Cause	Actions
The lens of the driver monitor camera may be dirty.	When there is dirt on the camera lens, clean it with a dry, soft cloth so as to not damage it.

If “Parking Assist Unavailable Sensor Blocked” is displayed

Cause	Actions
A sensor may be covered with water drops, ice, snow, dirt, etc.	Remove the water drops, ice, snow, dirt, etc., from the sensor to return the system to normal. Also, due to ice forming on a sensor at low temperatures, a warning message may be displayed or the sensor may not be able to detect an object. Once the ice melts, the system will return to normal. If a sensor is dirty, the position of the dirty sensor will be shown on the display. If an abnormality is displayed even though there are no water drops, ice, snow or dirt, the sensor may be operating abnormally. Have the vehicle inspected by your Toyota dealer.

If “Parking Assist Unavailable Low Visibility See Owner's Manual” is displayed

Cause	Actions
Indicates one of the following systems is disabled. • RCD (Rear camera detection) • PKSB (Parking Support Brake)	Remove any dirt or foreign matter from the rear cameras.

If “Check Engine” is displayed

Cause	Actions
It may indicate a malfunction.	Have the vehicle inspected by your Toyota dealer immediately.

If “Hybrid System Malfunction” is displayed

Cause	Actions
It may indicate a malfunction.	Have the vehicle inspected by your Toyota dealer immediately.

If “Accelerator System Malfunction” is displayed

Cause	Actions
It may indicate a malfunction.	Have the vehicle inspected by your Toyota dealer immediately.

If “Traction battery system malfunction” is displayed

Cause	Actions
It may indicate a malfunction.	Have the vehicle inspected by your Toyota dealer immediately.

If “Hybrid System Stopped” is displayed

Cause	Actions
The vehicle may have run out of fuel.	Stop the vehicle in a safe place and, if the fuel level is low, refuel the vehicle.

If “Engine stopped No Fuel” is displayed

Cause	Actions
The vehicle may have run out of fuel.	Stop the vehicle in a safe place and, if the fuel level is low, refuel the vehicle.

NOTICE

If “Low 12-volt Battery See Owner's Manual” is displayed frequently

The 12-volt battery may have deteriorated. As the battery may discharge in this state when left unattended, have the battery inspected by your Toyota dealer.

If you have a flat tire

Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.

For details about tires: →P.334

WARNING

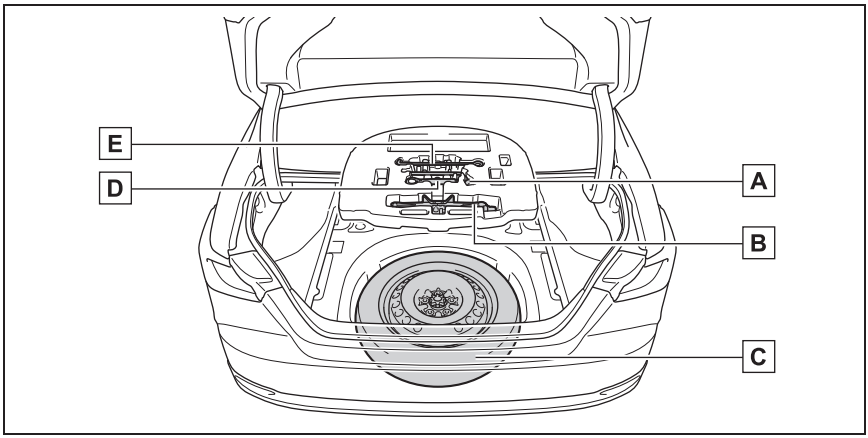
■ If you have a flat tire

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, which could result in an accident.

Before jacking up the vehicle

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the hybrid system.
- Turn on the emergency flashers.

Location of the spare tire, jack and tools



A Wheel nut wrench

B Jack

C Spare tire

D Towing eyelet

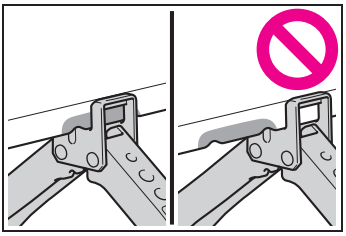
E Jack handle

WARNING

■ Using the tire jack

Observe the following precautions. Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Put the jack properly in its jack point.



- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start the hybrid system or drive the vehicle while the vehicle is supported by the jack.
- Do not raise the vehicle while someone is inside.

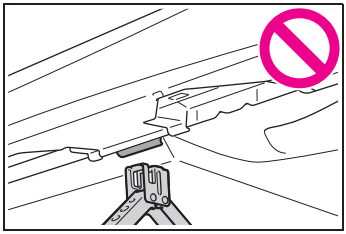
WARNING

- 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.
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering.

NOTICE

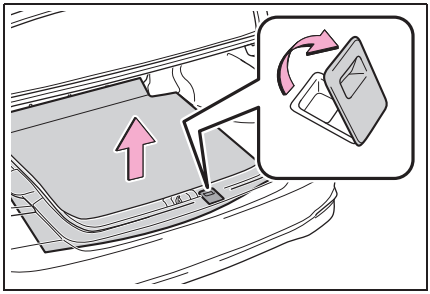
■ To prevent damage to the vehicle when using a jack

When jacking up the rear of the vehicle, make sure not to position the jack under the bracket shown in the illustration near the rear jack point, as the vehicle body may be damaged.

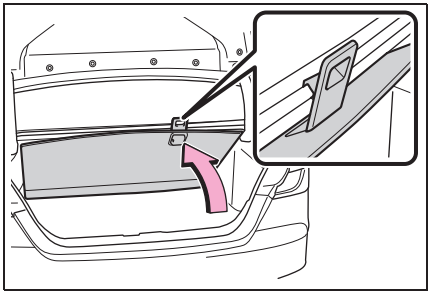


Taking out the jack

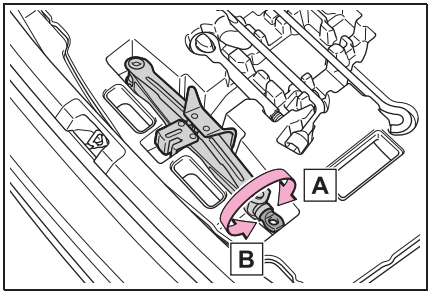
1 Lift up the hook of the luggage floor cover on the trunk floor.



2 Secure the luggage floor cover using the hook.



3 Take out the jack.



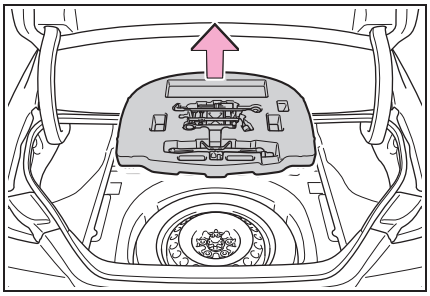
A For tightening

B For loosening

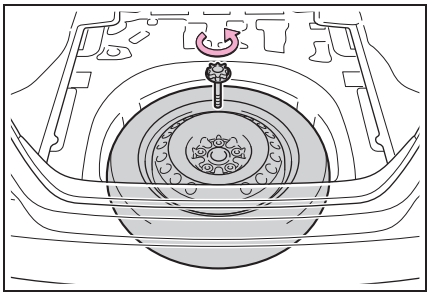
Taking out the spare tire

1 Remove the luggage floor cover. (→P.381)

2 Remove the tool tray.



3 Loosen the center fastener that secures the spare tire.



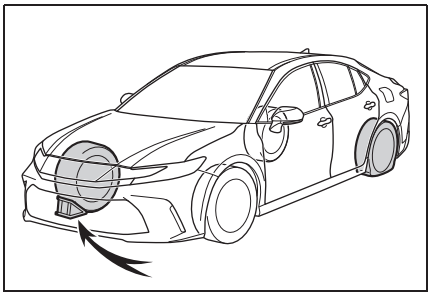
WARNING

■When storing the spare tire

Be careful not to catch fingers or other body parts between the spare tire and the body of the vehicle.

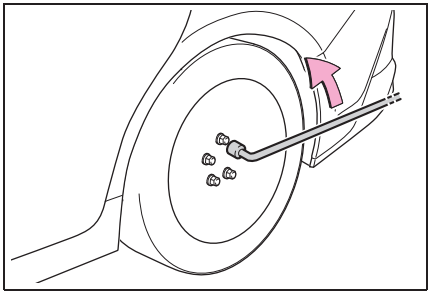
Replacing a flat tire

1 Chock the tires.



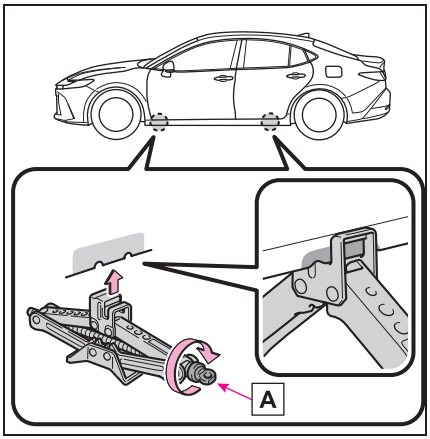
Flat tire	Wheel chock positions
Front left-hand side	Behind the rear right-hand side tire
Front right-hand side	Behind the rear left-hand side tire
Rear left-hand side	In front of the front right-hand side tire
Rear right-hand side	In front of the front left-hand side tire

2 Slightly loosen the wheel nuts (one turn).

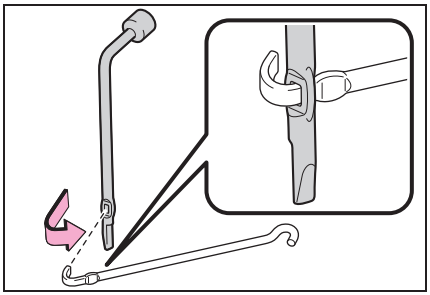


3 Turn the tire jack portion A by hand until the center of the recessed portion of the jack is in

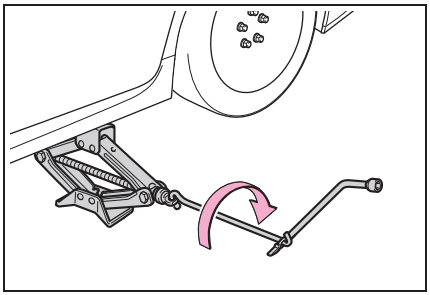
contact with the center of the jack point.



4 Assemble the jack handle extension.

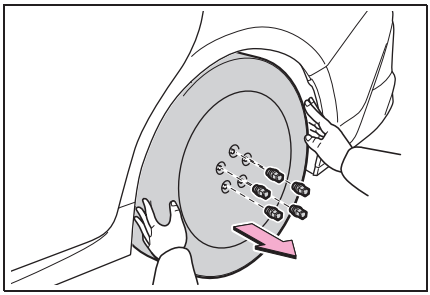


5 Raise the vehicle until the tire is slightly raised off the ground.



6 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.



WARNING

■ Replacing a flat tire

- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven. After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc. may result in burns.
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
  - Never use oil or grease on the wheel bolts or wheel nuts. Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. Remove any oil or grease that has adhered when installing the wheel nuts.
  - After replacing a tire, check the tightening torque as soon as possible. Wheel nut torque: 103 N•m (10.5 kgf•m, 76 ft•lbf)
  - Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.

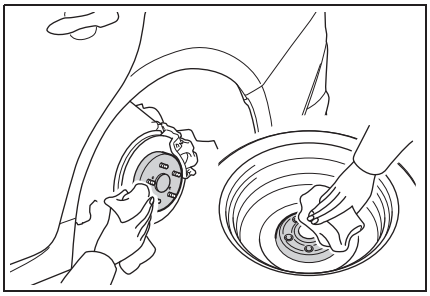
WARNING

- When installing a tire, only use wheel nuts that have been specifically designed for that wheel.
- If there are any cracks or deformations in the bolt screws, nut threads or bolt holes of the wheel, have the vehicle inspected by your Toyota dealer.

Installing the spare tire

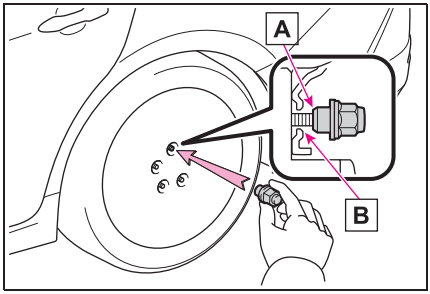
1 Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off.

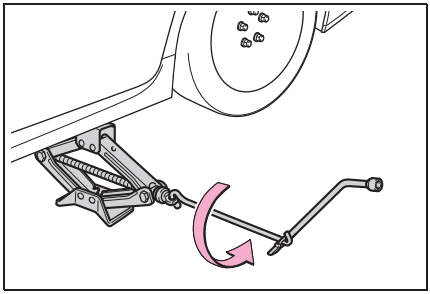


2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

Tighten the wheel nuts until the tapered portion A comes into loose contact with the disc wheel seat B.

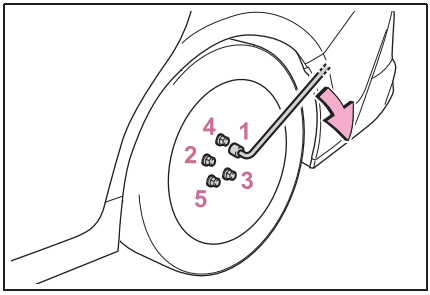


3 Lower the vehicle.



4 Securely tighten the wheel nuts two or three times in the order shown in the illustration using a wheel nut wrench.

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



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

The compact spare tire

- The compact spare tire is identified by

the label “TEMPORARY USE ONLY” on the tire sidewall. Use the compact spare tire temporarily, and only in an emergency.

- Make sure to check the tire inflation pressure of the compact spare tire. (→P.407)

■ When the compact spare tire is equipped

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires.

■ If you have a flat front tire on a road covered with snow or ice (vehicles with 17-inch tires)

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

1. Replace a rear tire with the compact spare tire.
2. Replace the flat front tire with the tire removed from the rear of the vehicle.
3. Fit tire chains to the front tires.

⚠ WARNING

■ When using the compact spare tire

- Remember that the compact spare tire provided is specifically designed for use with your vehicle. Do not use your compact spare tire on another vehicle.
- Do not use more than one compact spare tires simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.

■ When the compact spare tire is attached

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS
- VSC
- TRC
- PCS (Pre-Collision System)
- PKSB (Parking Support Brake)
- Navigation system (if equipped)

■ Speed limit when using the compact spare tire

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

The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

■ After using the tools and jack

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

NOTICE

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

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

NOTICE

■ Driving with tire chains and the compact spare tire

Do not fit tire chains to the compact spare tire. Tire chains may damage the vehicle body and adversely affect driving performance.

If the hybrid system will not start

Reasons for the hybrid system not starting vary depending on the situation. Check the following and perform the appropriate procedure:

The hybrid system will not start even though the correct starting procedure is being followed. (→P.164)

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

- The electronic key may not be functioning properly. (→P.388)
- There may not be sufficient fuel in the vehicle's tank. Refuel the vehicle.
- There may be a malfunction in the immobilizer system. (→P.66)
- The hybrid system may be malfunctioning due to an electrical problem such as electronic key battery depletion or a blown fuse. However, depending on the type of malfunction, an interim measure is available to start the hybrid system. (→P.387)
- The temperature of the hybrid battery (traction battery) may be extremely low (below approximately -30°C [-22°F]). (→P.62, 164)

The interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.

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

- The 12-volt battery may be discharged. (→P.390)
- The 12-volt battery terminal connections may be loose or corroded. (→P.333)

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:

- The 12-volt battery may be discharged. (→P.390)
- One or both of the 12-volt battery terminals may be disconnected. (→P.333)

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

Starting the hybrid system in an emergency

When the hybrid system does not start, the following steps can be used as an interim measure to start the hybrid system if the power switch is functioning normally.
Do not use this starting procedure except in case of emergency.

1. Pull the parking brake switch to check that the parking brake is set. (→P.175)
2. Check that the shift lever is in P.
3. Turn the power switch to ACC.*1, 2
4. Press and hold the power switch for about 15 seconds while depressing the brake pedal firmly.

Even if the hybrid system can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

*1: ACC mode can be enabled/disabled on the customize menu. (→P.410)

*2: When ACC is disabled, turn the power switch to ON then OFF, and perform the following step within 5 seconds.

If you lose your keys

New genuine mechanical keys can be made by your Toyota dealer using another mechanical key and the key number stamped on your key number plate.

Keep the plate in a safe place such as your wallet, not in the vehicle.

NOTICE

■ When an electronic key is lost

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

If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P.116) 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 can be opened and the hybrid system can be started by following the procedure below.

■ When the electronic key does not work properly

- Make sure that the smart entry & start system has not been deactivated in the customization setting. If it is off, turn the function on. (Customizable features: →P.410)
- Check if battery-saving mode is set. If it is set, cancel the function. (→P.116)
- The electronic key function may be suspended. (→P.116)

NOTICE

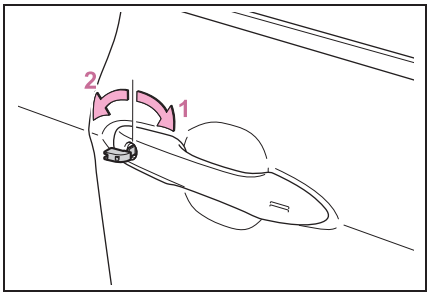
■ In case of a smart entry & start system malfunction or other key-related problems

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

Locking and unlocking the doors

Doors

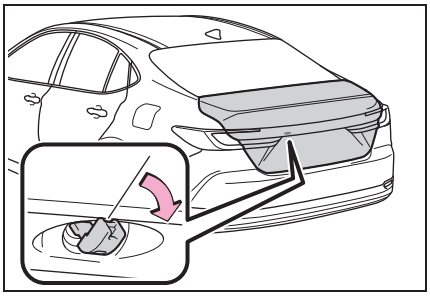
Use the mechanical key (→P.106) in order to perform the following operations:



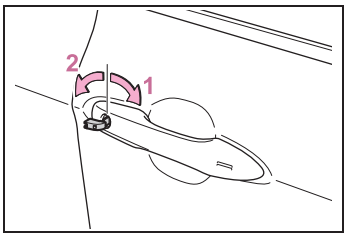
1 Locks all the doors
2 Unlocks all the doors

Trunk

Turn the mechanical key clockwise to open.



Key linked functions



1 Closes the windows and panoramic moon roof*1 (turn and hold)*2
2 Opens the windows and panoramic moon roof*1 (turn and hold)*2

*1: If equipped

*2: This setting may require customization at your Toyota dealer.

WARNING

When using the mechanical key and operating the power windows or panoramic moon roof (if equipped)

Operate the power window or panoramic moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window or panoramic moon roof.
Also, do not allow children to operate the mechanical key. It is possible for children and other passengers to get caught in the power window or panoramic moon roof.

Starting the hybrid system

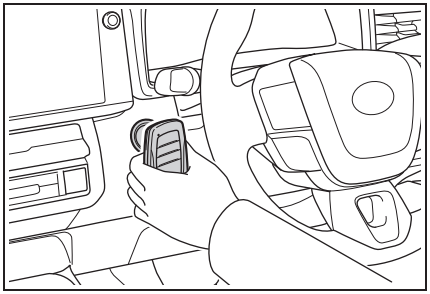
1 Ensure that the shift lever is in P and depress the brake pedal.

2 Touch the electronic key to the power switch.

When the electronic key is detected, a buzzer sounds and the power switch will turn to ON.

When the smart entry & start system is deactivated in customization setting and ACC customization is in on, the

power switch will turn to ACC.



3 Firmly depress the brake pedal and check that is shown on the multi-information display.

4 Press the power switch shortly and firmly.

In the event that the hybrid system still cannot be started, contact your Toyota dealer.

■ **Stopping the hybrid system**

Shift the shift lever to P and press the power switch as you normally do when stopping the hybrid system.

■ **Electronic key battery**

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P.342)

■ **Alarm**

Using the mechanical key to lock the doors will not set the alarm system.
If a door is unlocked using the mechanical key when the alarm system is set, the alarm may be triggered. (→P.67)

■ **Changing power switch modes**

Release the brake pedal and press the power switch in step 3 above.
The hybrid system does not start and modes will be changed each time the switch is pressed. (→P.166)

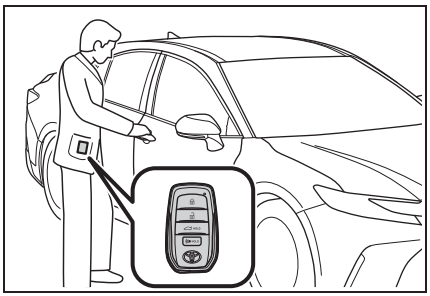
If the 12-volt battery is discharged

The following procedures may be used to start the hybrid system if the 12-volt battery is discharged.
You can also call your Toyota dealer or a qualified repair shop.

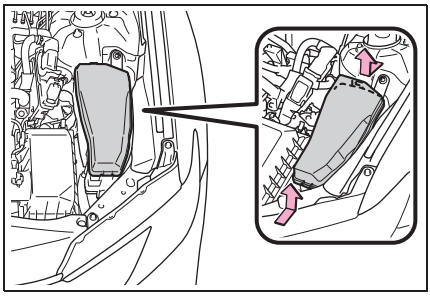
Restarting the hybrid system

1 Confirm that the electronic key is being carried.

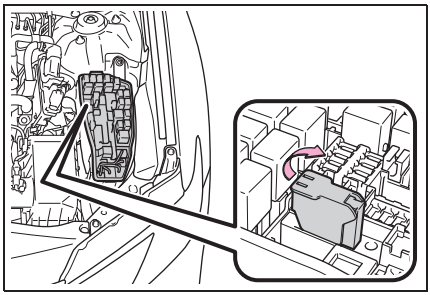
When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked. (→P.68)



2 Open the hood (→P.324) and fuse box cover.

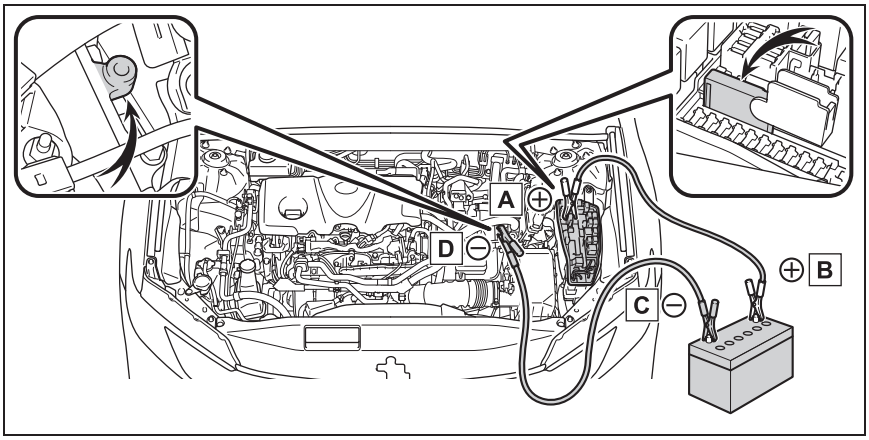


3 Open the exclusive jump starting terminal cover.



4 Connect a positive jumper cable clamp to A on your vehicle and connect the clamp on the other end of the positive cable to B on the second vehicle. Then, connect a negative cable clamp to C on the second vehicle and connect the clamp at the other end of the negative cable to D.

Use jumper cables that can reach the specified terminals and connecting point.



A Exclusive jump starting terminal (your vehicle)

B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Metallic point shown in the illustration

5 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the 12-volt battery of your vehicle.

6 Open and close any of the doors of your vehicle with the power switch OFF.

7 Maintain the engine speed of the second vehicle and start the hybrid system of your vehicle by turning the power switch to ON.

8 Make sure the “READY” indicator comes on. If the indicator does not come on, contact your Toyota dealer.

9 Once the hybrid system has started, remove the jumper cables in the exact reverse order from which they were connected.

10 Close the exclusive jump starting terminal cover, and reinstall the fuse box cover to its original position.

Once the hybrid system starts, have the vehicle inspected at your Toyota dealer as soon as possible.

■ Starting the hybrid system when the 12-volt battery is discharged

The hybrid system cannot be started by push-starting.

■ **To prevent 12-volt battery discharge**

- Turn off the headlights and the audio system while the hybrid system is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.
- When ACC customization is in off, power is still provided to the multimedia system even though the power switch is off. To turn off the multimedia system, use the multimedia system power switch. For details, refer to the "Multimedia Owner's Manual".

■ **When the 12-volt battery is removed or discharged**

- Information stored in the ECU is cleared. When the 12-volt battery is depleted, have the vehicle inspected at your Toyota dealer.
- Some systems may require initialization. (→P.422)

■ **When removing the 12-volt battery terminals**

When the 12-volt battery terminals are removed, the information stored in the ECU is cleared. Before removing the 12-volt battery terminals, contact your Toyota dealer.

■ **Charging the 12-volt battery**

The electricity stored in the 12-volt battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the 12-volt battery may discharge, and the hybrid system may not be able to start. (The 12-volt battery recharges automatically while the hybrid system is operating.)

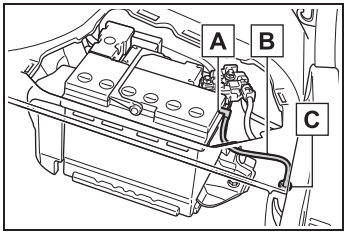
■ **When recharging or replacing the 12-volt battery**

- In some cases, it may not be possible to unlock the doors using the smart entry & start system when the 12-volt battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The hybrid system may not start on the first attempt after the 12-volt battery has recharged but will start normally after the second attempt. This is not a malfunction.
- The power switch mode is memorized by the vehicle. When the 12-volt battery is reconnected, the system will return to the mode it was in before the 12-volt battery was discharged.
  Before disconnecting the 12-volt battery, turn the power switch off.
  If you are unsure what mode the power switch was in before the 12-volt battery discharged, be especially careful when reconnecting the 12-volt battery.
- Some systems may require initialization. (→P.422)

■ **When replacing the 12-volt battery**

- Use a 12-volt battery that conforms to European regulations.
- Use a 12-volt battery that the case size is same as the previous one (LN2), 20 hour rate capacity (20HR) is equivalent (55Ah) or greater, and performance rating (CCA) is equivalent (345A) or greater.
  - If the sizes differ, the 12-volt battery cannot be properly secured.
  - If the 20 hour rate capacity is low, even if the time period where the vehicle is not used is a short time, the 12-volt battery may discharge and the hybrid system may not be able to start.
- Use a 12-volt battery with a handle. If a 12-volt battery without a handle is used, removal is more difficult.
- After replacing, firmly attach the following items to the exhaust hole of the 12-volt battery.
  - Use the exhaust hose that was attached to the 12-volt battery before replacing and confirm that it is firmly connected to the hole section of the vehicle.
  - Use the exhaust hole plug included

with the 12-volt battery replaced or the one installed on the 12-volt battery prior to the replacement. (Depending on the 12-volt battery to be replaced, the exhaust hole may be plugged.)



A Exhaust hole

B Exhaust hose

C Hole section of the vehicle

For details, consult your Toyota dealer.

WARNING

■ When removing the 12-volt battery terminals

Always remove the negative (-) terminal first. If the positive (+) terminal contacts any metal in the surrounding area when the positive (+) terminal is removed, a spark may occur, leading to a fire in addition to electrical shocks and death or serious injury.

■ Avoiding 12-volt battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the 12-volt battery:

- Make sure each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the other end of the jumper cable connected to the “+” terminal to come into contact with any other parts or metal surfaces in the area, such as brackets or unpainted metal.
- Do not allow the + and - clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the 12-volt battery.

■ 12-volt battery precautions

The 12-volt battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the 12-volt battery:

- When working with the 12-volt 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 12-volt 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 12-volt battery support, terminals, and other battery-related parts.
- Do not allow children near the 12-volt battery.

WARNING

■ After recharging the 12-volt battery

Have the 12-volt battery inspected at your Toyota dealer as soon as possible.
If the 12-volt battery is deteriorating, continued use may cause the 12-volt battery to emit a malodorous gas, which may be detrimental to the health of passengers.

■ When replacing the 12-volt battery

- When the vent plug and indicator are close to the hold down clamp, the battery fluid (sulfuric acid) may leak.
- For information regarding 12-volt battery replacement, contact your Toyota dealer.
- After replacing, securely attach the exhaust hose and exhaust hole plug to the exhaust hole of the replaced 12-volt battery. If not properly installed, gases (hydrogen) may leak into the vehicle interior, and there is the possible danger of the gas igniting and exploding.

■ When disconnecting the 12-volt battery

Do not disconnect the negative (-) terminal on the body side. The disconnected negative (-) terminal may touch the positive (+) terminal, which may cause a short and result in death or serious injury.

NOTICE

■ When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fan, etc.

■ When connecting jumper cables

Make sure to connect jumper cables to the specified terminals and connecting point. Failure to do so may adversely affect the electronic devices or damage to them.

■ To prevent damaging the vehicle

The exclusive jump starting terminal is to be used when charging the 12-volt battery from another vehicle in an emergency. It cannot be used to jump start another vehicle.

If your vehicle overheats

The following may indicate that your vehicle is overheating.

- The engine coolant temperature gauge (→P.74, 78) is in the red zone or a loss of hybrid system power is experienced. (For example, the vehicle speed does not increase.)
- “Engine Coolant Temp High Stop in a Safe Place See Owner’s Manual” or “Hybrid System Overheated Output Power Reduced” is shown on the multi-information display.
- Steam comes out from under the hood.

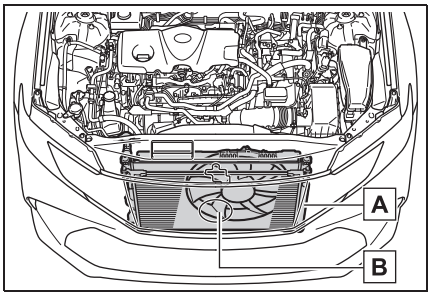
Correction procedures

▶ If the engine coolant temperature gauge enters the red zone or “Engine Coolant Temp High Stop in a Safe Place See Owner’s Manual” is shown on the multi-information display

1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the hybrid system.

2 If you see steam: Carefully lift the hood after the steam subsides.
If you do not see steam: Carefully lift the hood.

3 After the hybrid system has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.

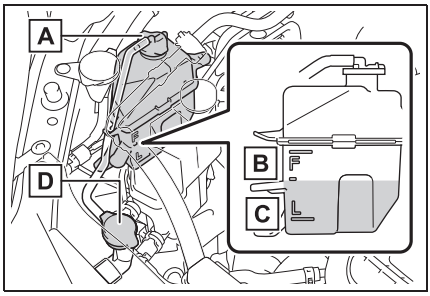


A Radiator

B Cooling fan

If a large amount of coolant leaks, immediately contact your Toyota dealer.

4 The coolant level is satisfactory if it is between the “F” and “L” lines on the reservoir.



A Reservoir

B “F” line

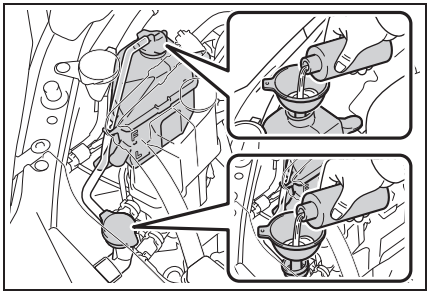
C “L” line

D Radiator cap

5 Add coolant if necessary.

Water can be used in an emergency if

coolant is unavailable.



6 Start the hybrid system and turn the air conditioning system on to check that the radiator cooling fan operates and to check for coolant leaks from the radiator or hoses.

The fan operates when the air conditioning system is turned on immediately after a cold start. Confirm that the fan is operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly. (The fan may not operate in freezing temperatures.)

7 If the fan is not operating: Stop the hybrid system immediately and contact your Toyota dealer.
If the fan is operating: Have the vehicle inspected at the nearest Toyota dealer.

8 Check if “Engine Coolant Temp High Stop in a Safe Place See Owner’s Manual” is shown on the multi-information display.

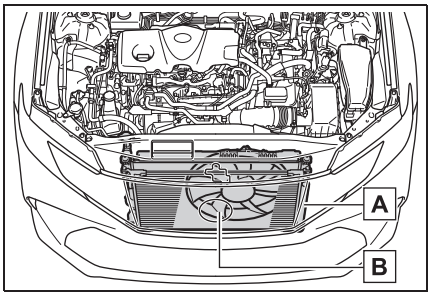
If the message does not disappear:
Stop the hybrid system and contact your Toyota dealer.
If the message is not displayed:
Have the vehicle inspected at the nearest Toyota dealer.

▶ If “Hybrid System Overheated Output Power Reduced” is shown on the multi-information display

1 Stop the vehicle in a safe place.

2 Stop the hybrid system and carefully lift the hood.

3 After the hybrid system has cooled down, inspect the hoses and radiator core (radiator) for any leaks.

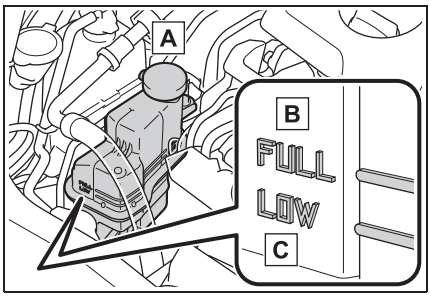


A Radiator

B Cooling fan

If a large amount of coolant leaks, immediately contact your Toyota dealer.

4 The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir.



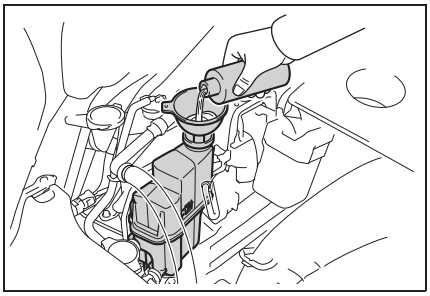
A Reservoir

B “FULL” line

C “LOW” line

5 Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.



6 After stopping the hybrid system and waiting for 5 minutes or more, start the hybrid system again and check for the multi-information display.
If the message does not disappear: Stop the hybrid system and contact your Toyota dealer.
If the message is not displayed: The hybrid system temperature has dropped and the vehicle may be driven normally.

However, if the message appears again frequently, contact your Toyota dealer.

WARNING

■ When inspecting under the hood of your vehicle

Observe the following precautions. Failure to do so may result in serious injury such as burns.

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot.
- After the hybrid system has been turned off, check that the “READY” indicator is off. When the hybrid system is operating, the gasoline engine may automatically start, or the cooling fan may suddenly operate even if the gasoline engine stops. Do not touch or approach rotating parts such as the fan, which may lead to fingers or clothing (especially a tie, a scarf or a muffler) getting caught, resulting in serious injury.
- Do not loosen the radiator cap and the coolant reservoir caps while the hybrid system and radiator are hot. High temperature steam or coolant could spray out.

NOTICE

■ When adding engine/power control unit coolant

Add coolant slowly after the hybrid system has cooled down sufficiently. Adding cool coolant to a hot hybrid system too quickly can cause damage to the hybrid system.

■ To prevent damage to the cooling system

Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use any coolant additive.

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

Recovering procedure

1 Stop the hybrid system. Set the parking brake and shift the shift lever to P.

Do not press the shift release button after shifting the shift position to P.

2 Remove the mud, snow or sand from around the front wheels.

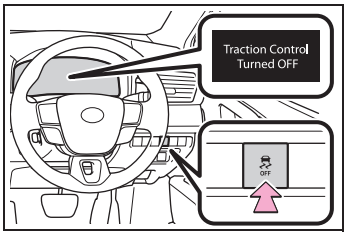
3 Place wood, stones or some other material under the front wheels to help provide traction.

4 Restart the hybrid system.

5 Shift the shift lever to D or R and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

■ When it is difficult to free the vehicle

Press the OFF switch to turn off TRC.



WARNING

■ When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

■ When shifting the shift lever

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

NOTICE

■ To avoid damaging the transmission and other components

- Avoid spinning the front wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

Vehicle specifications

8

Maintenance data (fuel, oil level, etc.)

Dimensions

Overall length			4920 mm (193.7 in.)
Overall width			1840 mm (72.4 in.)
Overall height*			1445 mm (56.9 in.)
Wheelbase			2825 mm (111.2 in.)
Tread	Front	17-inch tires	1590 mm (62.6 in.)
		18-inch tires	1580 mm (62.2 in.)
	Rear	17-inch tires	1600 mm (63.0 in.)
		18-inch tires	1590 mm (62.6 in.)

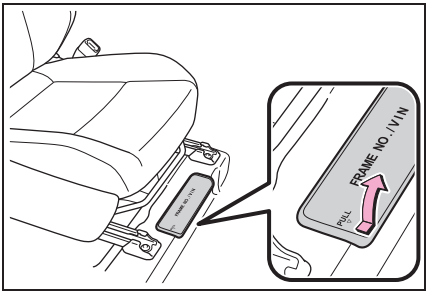
*: Unladen vehicles

Vehicle identification

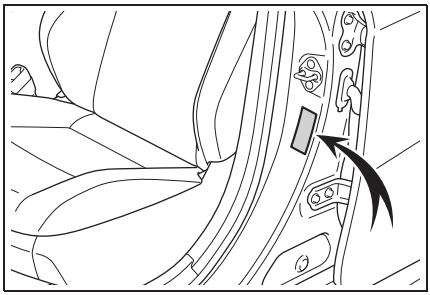
Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

This number is stamped under the right-hand front seat.

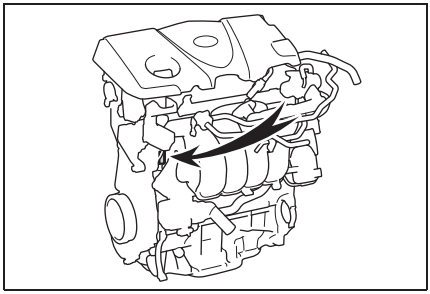


This number is also on the manufacturer's label.



Engine number

The engine number is stamped on the engine block as shown.



Engine

Model	A25A-FXS
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	87.5 × 103.4 mm (3.44 × 4.07 in.)
Displacement	2487 cm^3 (151.8 cu. in.)
Valve clearance	Automatic adjustment

Fuel

Fuel type	Unleaded gasoline only
Research Octane Number	▶ For Australia 95 or higher ▶ For New Zealand 91 or higher
Fuel tank capacity (Reference)	50.0 L (13.2 gal., 11.0 Imp. gal.)

Electric motor (traction motor)

Type	Permanent magnet synchronous motor
Maximum output	100 kW
Maximum torque	208 N•m (21.2 kgf•m, 153.4 ft•lbf)

Hybrid battery (traction battery)

Type	Lithium-ion battery
Voltage	3.7 V/cell
Capacity	4.0 Ah
Quantity	68 cells
Nominal voltage	251.6 V

Lubrication system

■ Oil capacity (Drain and refill [Reference*])

With filter	4.3 L (4.5 qt., 3.8 Imp. qt.)
Without filter	4.0 L (4.2 qt., 3.5 Imp. qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. When actually adding the engine oil, make sure that the oil level is between the low level mark and refill upper limit mark (→P.328). Warm up and turn off the engine, wait about 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

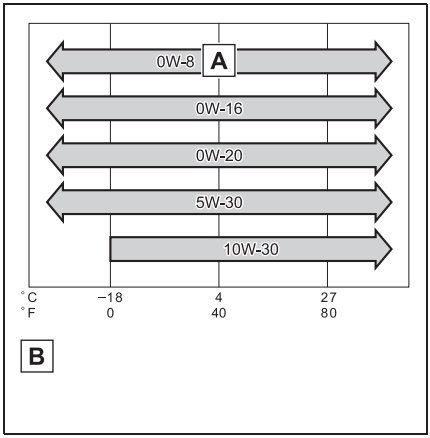
Oil grade:

0W-8:
JASO GLV-1

0W-16:
API grade SN “Resource-Conserving”, SN PLUS “Resource-Conserving” or SP “Resource-Conserving”; or ILSAC GF-6B multigrade engine oil

0W-20, 5W-20, 5W-30 and 10W-30:
API grade SL “Energy-Conserving”, SM “Energy-Conserving”, SN “Resource-Conserving”, SN PLUS “Resource-Conserving” or SP “Resource-Conserving”; or ILSAC GF-6A multigrade engine oil

Recommended viscosity (SAE):



A Preferred

B Temperature range anticipated before next oil change

SAE 0W-8 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

If you use SAE 10W-30 engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 0W-8, 0W-16, 0W-20 or 5W-30 engine oil is recommended.

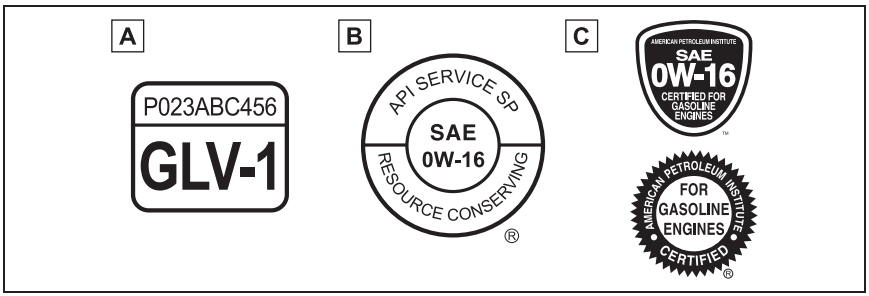
Oil viscosity (0W-8 is explained here as an example):

- The 0W in 0W-8 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 8 in 0W-8 indicates the vis-

cosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either one or two of following marks are added to some oil containers to help you select the oil you should use.



A JASO GLV-1 Mark

The Japanese Automotive Standards Organization (JASO) GLV-1 Mark is displayed on the container.

B API Service Symbol

Top portion: “API SERVICE SP” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 0W-16” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

C ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

Cooling system

Capacity (Reference)	Gasoline engine	6.1 L (6.4 qt., 5.4 Imp. qt.)
	Power control unit	1.9 L (2.0 qt., 1.7 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)

Make	DENSO FC16HR-Q8
Gap	0.8 mm (0.031 in.)

NOTICE

■ Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

Electrical system (12-volt battery)

Open voltage at 20°C (68°F):	12.0 V or higher (Turn the power switch off and turn on the high beam headlights for 30 seconds.)
Charging rates	5 A max.

Hybrid transmission

Fluid capacity*	3.7 L (3.9 qt., 3.2 Imp. qt.)
Fluid type	Toyota Genuine e-Transaxle Fluid TE

*: The fluid capacity is a reference quantity.
If replacement is necessary, contact your Toyota dealer.

NOTICE

■ Hybrid transmission fluid type

Using transmission fluid other than the above type may cause abnormal noise or vibration, or ultimately damage the transmission of your vehicle.

Brakes

Pedal clearance*	90 mm (3.5 in.) Min.
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)
Brake pad wear limit	1.0 mm (0.04 in.)
Fluid type	SAE J1703 or FMVSS No.116 DOT 3 SAE J1704 or FMVSS No.116 DOT 4

*: Minimum pedal clearance when depressed with a force of 300 N (30.6 kgf, 67.4 lbf) while the hybrid system is operating.

Steering

Free play	Less than 30 mm (1.2 in.)

Tires and wheels

▶ 17-inch tires

Tire size	215/55R17 94V	
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	270 (2.7, 39)
	160 km/h (99 mph) or less	240 (2.4, 35)
Wheel size	17 × 7 1/2J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

▶ 18-inch tires

Tire size	235/45R18 94W

Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	kPa (kgf/cm^2 or bar, psi)
	More than 190 km/h (118 mph)	270 (2.7, 39)
	190 km/h (118 mph) or less	240 (2.4, 35)
Wheel size	18 × 8J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

▶ Compact spare tire

Tire size	T155/70D17 110M
Tire inflation pressure (Recommended cold tire inflation pressure)	420 kPa (4.2 kgf/cm^2 or bar, 60 psi)
Wheel size	17 × 4T
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

■ When towing a trailer

Add 20.0 kPa (0.2 kgf/cm^2 or bar, 3 psi) to the recommended tire inflation pressure and drive at speeds below 100 km/h (62 mph).

■ When installing a compact spare tire

Do not tow if your vehicle has a compact spare tire installed.

Light bulbs

	Light bulbs	W	Type
Exterior	Rear turn signal lights (bulb type)	21	A
	Back-up lights (bulb type)	16	B
interior	Rear interior light*	8	C
	Trunk light	5	B

A: Wedge base bulbs (amber)

B: Wedge base bulbs (clear)

C: Double end bulbs

*: If equipped

Fuel information

For Australia:
You must only use unleaded gasoline.
Select premium unleaded gasoline with a Research Octane Number of 95 or higher for optimum engine performance.
If this premium type cannot be obtained, you may temporarily use unleaded gasoline with a Research Octane Number as low as 91.
In this case, engine performance may be decreased.

For New Zealand:
You must only use unleaded gasoline.
Select unleaded gasoline with a Research Octane Number of 91 or higher for optimum engine performance.

Use of ethanol blended gasoline in a gasoline engine

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

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 fuel quality

- Do not use improper fuels. If improper fuels are used, the engine will be damaged.
- Do not use gasoline with metallic additives, for example manganese, iron or lead, otherwise it may cause damage on your engine or emission control system.
- Do not add aftermarket fuel additives which contain metallic additives.
- Do not use the methanol blended gasoline such as M15, M85, M100. The use of gasoline containing methanol may cause engine damage or failure.

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. The settings of these features can be changed using the multi-information display, the multimedia display or at your Toyota dealer.

Some of the customizable features are changed in conjunction with the settings of My Settings. (→P.149)

Customizing vehicle features

■ Changing by using the multimedia display

1 Select ⚙ on the main menu.

2 Select “Vehicle customise”.

3 Select the item to change the settings of from the list.

For functions that can be turned on/off, select (ON)/ (OFF).

■ Changing by using the meter control switches

1 Select ⚙ of the multi-information display.

2 Select the item.

7-inch display meter: Press ❮ or ❯ to select the desired item to be customized.

12.3-inch display meter: Press ^ or v to select the desired item to be customized.

3 Press or press and hold OK .

The available settings will differ depending on if OK is pressed or pressed and held. Follow the instructions on the display.

⚠ WARNING

■ During customization

As the hybrid system needs to be operating during customization, ensure that the vehicle is parked in a place with adequate ventilation. In a closed area such as a garage, exhaust gases including harmful carbon monoxide (CO) may collect and enter the vehicle. This may lead to death or a serious health hazard.

⚠ NOTICE

■ During customization

To prevent 12-volt battery discharge, ensure that the hybrid system is operating while customizing features.

Customizable features

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

A Settings that can be changed using the multimedia display

B Settings that can be changed using the meter control switches

C Settings that can be changed by your Toyota dealer

Definition of symbols: O = Available, — = Not available

■ Gauges, meters and multi-information display (→P.70, 74, 78, 82, 89)

Function	Customized setting	A	B	C
Language*1	The customized setting varies according to country.	—	O	—
Units	• km/L • L/100 km	—	O	—
Meter Type*1, 2	• Type 1 • Type 2*3 • Type 3*3	—	O	—
Meter Style*1	• Smart • Casual • Tough*2 • Sporty	—	O	—
Analog meter type*1,4	• Tachometer • Hybrid System Indicator • Simple (non-dial)	—	O	—
Analog meter type*1,2	• Tachometer • Speedometer*5 • Hybrid System Indicator	—	O	—
EV indicator*1	• On • Off	—	O	—
Eco Accelerator Guidance*1	• On • Off	—	O	—
Fuel economy	• Total average (Average fuel consumption [after reset]) • Trip average (Average fuel consumption [after start]) • Tank average (Average fuel consumption [after refuel])*4	—	O	—
Audio system linked display*1,4	• On • Off	—	O	—

Function	Customized setting	A	B	C
Energy monitor*1,4	• On • Off	—	O	—
Drive information items (First item)*1	• Distance • Average vehicle speed • Elapsed time	—	O	—
Drive information items (Second item)*1		—	O	—
TRIP A Items (First item)*1	• Distance • Average vehicle speed • Elapsed time	—	O	—
TRIP A Items (Second item)*1		—	O	—
TRIP B Items (First item)*1	• Distance • Average vehicle speed • Elapsed time	—	O	—
TRIP B Items (Second item)*1		—	O	—
Pop-up display*1	• On • Off	—	O	—
Suggestion function*1	• On • On (when the vehicle is stopped) • Off	O	—	O
Stop light indicator	• On • Off	—	O	—

*1: This setting changes in accordance with My Settings.

*2: 12.3-inch display

*3: The on/off operation of the widget can be changed.

*4: 7-inch display

*5: When 1-dial display is selected

■ Head-up display*1 (→P.96)

Function	Customized setting	A	B	C
Head-up display*2	• On • Off	—	O	—
Head-up display type*2	• Full • Standard • Minimal	—	O	—
Head-up display brightness*2	Desired brightness	—	O	—

Function	Customized setting	A	B	C
Head-up display position	Desired position	—	O	—
Head-up display angle adjustment*2	Desired angle	—	O	—

*1: If equipped

*2: This setting changes in accordance with My Settings.

■ Rear seat reminder function (→P.109)

Function	Customized setting	A	B	C
Rear seat reminder function	• On • Off	—	O	—

■ Door lock (→P.107, 112, 388)

Function	Customized setting	A	B	C
Unlocking using the mechanical key	• All doors unlocked in one step • Driver's door unlocked in one step, all doors unlocked in two step	—	—	O
Speed linked door locking function*	• On • Off	O	—	O
Shift position linked door locking function*	• On • Off	O	—	O
Shift position linked door unlocking function*	• On • Off	O	—	O
Driver's door linked door unlocking function*	• On • Off	O	—	O
Locking/unlocking of the trunk when all doors are locked/unlocked	• On • Off	—	—	O

*: This setting changes in accordance with My Settings.

■ **Smart entry & start system and wireless remote control (→P.107, 114)**

Function	Customized setting	A	B	C
Operation buzzer volume*	• 1 to 7 • Off	O	—	O
Operation signal (Emergency flashers)*	• On • Off	O	—	O
Time elapsed before automatic door lock function is activated if door is not opened after being unlocked*	• 30 seconds • 60 seconds • 120 seconds	—	—	O
Open door warning buzzer	• On • Off	—	—	O

*: This setting changes in accordance with My Settings.

■ **Smart entry & start system (→P.107, 114)**

Function	Customized setting	A	B	C
Smart entry & start system	• On • Off	O	—	O
Smart door unlocking*	• Driver's door • All the doors	O	—	O
Time elapsed before unlocking all the door when gripping and holding the driver's door handle	• 1.5 seconds • 2.0 seconds • 2.5 seconds • Off	—	—	O
Number of consecutive door lock operations	• 2 times • As many as desired	—	—	O

*: This setting changes in accordance with My Settings.

■ **Wireless remote control (→P.104, 107, 112)**

Function	Customized setting	A	B	C
Wireless remote control	• On • Off	—	—	O
Unlocking operation*	• All doors unlocked in one step • Driver's door unlocked in one step, all doors unlocked in two step	O	—	O

Function	Customized setting	A	B	C
Trunk unlocking operation	• One short press • Push twice • Press and hold (short) • Press and hold (long) • Off	—	—	O
Theft deterrent panic mode	• On • Off	—	—	O

*: This setting changes in accordance with My Settings.

■ Outside rear view mirrors (→P.135)

Function	Customized setting	A	B	C
Automatic mirror folding and extending operation	• Linked to operation of the power switch • Linked to the locking/unlocking of the doors • Off	—	—	O

■ Power windows and panoramic moon roof* (→P.137, 140)

Function	Customized setting	A	B	C
Mechanical key linked operation	• On • Off	—	—	O
Wireless remote control linked operation	• On • Off	—	—	O
Wireless remote control linked operation signal (buzzer)	• On • Off	—	—	O

*: If equipped

■ Panoramic moon roof* (→P.140)

Function	Customized setting	A	B	C
Linked operation of components when key is used (open only)	• Tilt only • Slide only	—	—	O
Linked operation of components when wireless remote control is used (open only)	• Tilt only • Slide only	—	—	O

*: If equipped

■ Driving position memory[*1] (→P.144)

Function	Customized setting	A	B	C
Driver's seat movement when exiting the vehicle[*2]	• Full • Partial • Off	O	—	O

[*1]: If equipped

[*2]: This setting changes in accordance with My Settings.

■ Power switch (→P.164)

Function	Customized setting	A	B	C
ACC customization Enabling/Disabling ACC mode	• On • Off	O	—	O

■ Automatic light control system (→P.180)

Function	Customized setting	A	B	C
Light sensor sensitivity[*]	• Brighter • Bright • Normal • Dark • Darker	O	—	O
Time elapsed before headlights automatically turn off after doors are closed[*]	• 30 seconds • 60 seconds • 90 seconds • Off	O	—	O

[*]: This setting changes in accordance with My Settings.

■ Lights (→P.180)

Function	Customized setting	A	B	C
Welcome lighting	• On • Off	—	—	O

■ Pre-Collision System (→P.201)

Function	Customized setting	A	B	C
Pre-Collision System	• ON • OFF	—	O	—
Warning timing*	• Later • Default • Earlier	—	O	—

*: This setting changes in accordance with My Settings.

■ Lane Departure Alert system (LDA) (→P.216)

Function	Customized setting	A	B	C
Lane Departure Alert system (LDA)*	• ON • OFF	—	O	—
Alert timing*	• Default • Earlier	—	O	—
Alert options*	• Vibration • Audible	—	O	—

*: This setting changes in accordance with My Settings.

■ Dynamic Radar Cruise Control (DRCC) (→P.223)

Function	Customized setting	A	B	C
Acceleration setting*1	• Low • Mid • High	—	O	—
Speed setting (short press)*1	• 1 km/h*2 • 5 km/h*2 • 10 km/h*2	—	O	—
	• 1 mph*3 • 5 mph*3 • 10 mph*3			

Function	Customized setting	A	B	C
Speed setting (long press)*1	• 1 km/h*2 • 5 km/h*2 • 10 km/h*2	—	O	—
	• 1 mph*3 • 5 mph*3 • 10 mph*3			
DRCC(RSA)*1	• ON • OFF	—	O	—
Speed limit offset*1	-5 to 5	—	O	—
Guide message*1	• ON • OFF	—	O	—
Curve speed reduction*1	• OFF • Low • Mid • High	—	O	—

*1: This setting changes in accordance with My Settings.

*2: When the set speed is shown in “km/h”

*3: When the set speed is shown in “MPH”

■ Road Sign Assist (→P.221)

Function	Customized setting	A	B	C
Road Sign Assist*	• ON • OFF	—	O	—
Excess speed notification method*	• None • Visual • Visual and Audible	—	O	—
Excess speed notification level*	• 5 km/h (3 mph) • 3 km/h (2 mph) • 1 km/h (1 mph)	—	O	—

*: This setting changes in accordance with My Settings.

■ Driver break suggestion (→P.218)

Function	Customized setting	A	B	C
Driver break suggestion	• ON • OFF	—	O	—

■ Driver monitor (→P.199)

Function	Customized setting	A	B	C
Warning function*	• ON • OFF	—	O	—

*: This setting changes in accordance with My Settings

■ BSM (Blind Spot Monitor) (→P.240)

Function	Customized setting	A	B	C
BSM (Blind Spot Monitor)	• On • Off	—	O	—
Outside rear view mirror indicator brightness*	• Dim • Bright	—	O	—
Alert timing for presence of approaching vehicle (sensitivity)*	• Later • Default • Earlier	—	O	—
Buzzer warning*	• On • Off	—	O	—

*: This setting changes in accordance with My Settings.

■ Safe Exit Assist (→P.245)

Function	Customized setting	A	B	C
Safe Exit Assist	• On • Off	—	O	—
Outside rear view mirrors display*	• On • Off	—	O	—
Detection sensitivity*	• Low • Mid • High	—	O	—

*: This setting changes in accordance with My Settings.

■ Toyota parking assist-sensor (→P.250)

Function	Customized setting	A	B	C
Toyota parking assist-sensor*1	• On • Off	—	O	—
Buzzer volume of Toyota parking assist-sensor when operating*1,2	• Level1 • Level2 • Level3	—	O	—

*1: This setting changes in accordance with My Settings.

*2: The sound volume is linked among the Toyota parking assist-sensor, RCTA, and RCD.

■ RCTA (Rear Cross Traffic Alert) function (→P.256)

Function	Customized setting	A	B	C
RCTA (Rear Cross Traffic Alert)	• On • Off	—	O	—
Buzzer volume of RCTA when operating*1,2	• Level1 • Level2 • Level3	—	O	—

*1: The sound volume is linked among the Toyota parking assist-sensor, RCTA, and RCD.

*2: This setting changes in accordance with My Settings.

■ RCD (Rear Camera Detection) function (→P.261)

Function	Customized setting	A	B	C
RCD (Rear Camera Detection) function	• ON • OFF	—	O	—

■ PKSB (Parking Support Brake) (→P.265)

Function	Customized setting	A	B	C
PKSB (Parking Support Brake)*	• ON • OFF	—	O	—

*: This setting changes in accordance with My Settings.

■ Automatic air conditioning system (→P.288)

Function	Customized setting	A	B	C
Switching between outside air and recirculated air mode linked to automatic mode switch operation*1	• On • Off	O	—	O
Steering wheel temperature*1,2	-2 to 2	O	—	O
A/C auto switch operation*1	• On • Off	O	—	O

*1: This setting changes in accordance with My Settings.

*2: If equipped

■ Illumination (→P.295)

Function	Customized setting	A	B	C
Time elapsed before the interior lights turn off*	• 30 seconds • 15 seconds • 7.5 seconds • Off	O	—	O
Operation after the power switch is turned off	• On • Off	—	—	O
Operation when you approach the vehicle with the electronic key on your person	• On • Off	—	—	O
Operation when the doors are unlocked	• On • Off	—	—	O
Brightness control*	• 1 to 9 • Off	O	—	O

*: This setting changes in accordance with My Settings.

■ Vehicle customization

- When the smart entry & start system is off, smart door unlocking cannot be customized.
- When the doors remain closed after unlocking the doors and the automatic door lock function is activated, the signals will be generated in accordance with the operation buzzer volume and the operation signal (emergency flashers) settings.

■ In the following situations, customize mode in which the settings can be changed through the multi-information display will automatically be turned off

- A warning message appears after the customize mode screen is displayed
- The power switch is turned off.
- The vehicle begins to move while the customize mode screen is displayed.

Items to initialize

The following items must be initialized for normal system operation after such cases as the 12-volt battery being reconnected, or maintenance being performed on the vehicle:

List of items to initialize

Item	When to initialize	Reference
Engine oil maintenance data	After maintenance is performed	P.328

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What to do if... (Troubleshooting)

If you have a problem, check the following before contacting your Toyota dealer.

The doors cannot be locked, unlocked, opened or closed

You lose your keys

- If you lose your mechanical keys, new genuine mechanical keys can be made by your Toyota dealer. (→P.388)
- If you lose your electronic keys, the risk of vehicle theft increases significantly. Contact your Toyota dealer immediately. (→P.388)

The doors cannot be locked or unlocked

- Is the electronic key battery weak or depleted? (→P.342)
- Is the power switch in ON?

When locking the doors, turn the power switch off. (→P.165)

- Is the electronic key left inside the vehicle?

When locking the doors, make sure that you have the electronic key on your person.

- The function may not operate properly due to the condition of the radio wave. (→P.116)

The rear door cannot be opened

- Is the child-protector lock set?

The rear door cannot be opened from inside the vehicle when the lock is set. Open the rear door from outside and then unlock the child-protector lock. (→P.110)

If you think something is wrong

The hybrid system does not start

- Did you press the power switch while firmly depressing the brake pedal? (→P.164)
- Is the shift lever in P? (→P.164)
- Is the electronic key anywhere detectable inside the vehicle? (→P.115)
- Is the electronic key battery weak or depleted?

In this case, the hybrid system can be started in a temporary way. (→P.389)

- Is the 12-volt battery discharged? (→P.390)

The shift lever cannot be shifted from P even if you depress the brake pedal

- Is the power switch in ON?

If you cannot release the shift lever by depressing the brake pedal with the

power switch in ON. (→P.172)

The windows do not open or close by operating the power window switches

- Is the window lock switch pressed?

The power window except for the one at the driver's seat cannot be operated if the window lock switch is pressed. (→P.139)

The power switch is turned off automatically

- The auto power off function will be operated if the vehicle is left in ACC or ON (the hybrid system is not operating) for a period of time. (→P.167)

A warning buzzer sounds during driving

- The seat belt reminder light is flashing

Are the driver and the passenger wearing the seat belts? (→P.363, 363)

- The parking brake indicator is on

Is the parking brake released? (→P.175)

Depending on the situation, other types of warning buzzer may also sound. (→P.360, 367)

An alarm is activated and the horn sounds

- Did anyone inside the vehicle open a door during setting the alarm?

Do one of the following to deactivate or stop the alarms:

- Unlock the doors.
- Turn the power switch to ACC or ON, or start the hybrid system. (The alarm will be deactivated or stopped after a few seconds.)

A warning buzzer sounds when leaving the vehicle

- Is the electronic key left inside the vehicle?

Check the message on the multi-information display. (→P.367)

A warning light turns on or a warning message is displayed

- When a warning light turns on or a warning message is displayed, refer to P.360, 367.

When a problem has occurred

If you have a flat tire

- Stop the vehicle in a safe place and replace the flat tire with the spare tire. (→P.379)

The vehicle becomes stuck

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P.399)

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For information regarding the equipment listed below, refer to “Multimedia Owner’s Manual”.

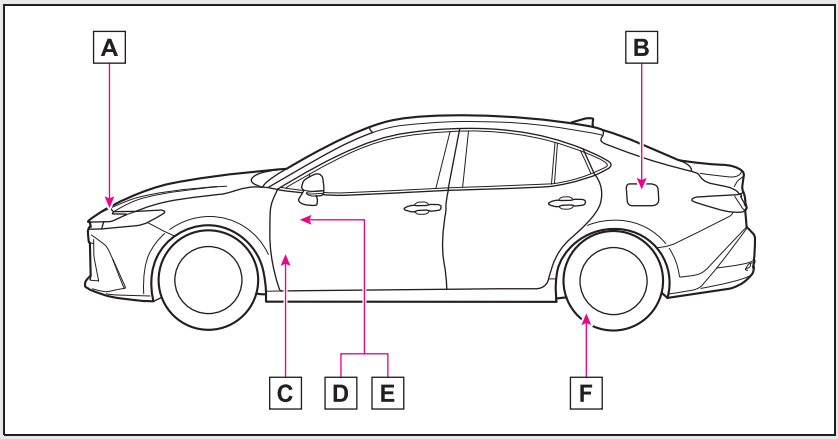
- Navigation system
- Multimedia system
- Panoramic view monitor

Certifications

▶ Blind Spot Monitor

C5-052

GAS STATION INFORMATION



A Auxiliary catch lever (→P.324)

B Fuel filler door (→P.191)

C Hood lock release lever (→P.324)

D Trunk opener (→P.113)

E Fuel filler door opener (→P.191)

F Tire inflation pressure (→P.407)

Fuel tank capacity (Reference)	50.0 L (13.2 gal., 11.0 Imp. gal.)	
Fuel type		P.403 P.409
Cold tire inflation pressure		P.407
Engine oil capacity (Drain and refill — reference)		P.404
Engine oil type	“Toyota Genuine Motor Oil” or equivalent	P.404

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