RAV4 PRIME

2021

OWNER'S MANUAL

TOYOTA

WARNING: Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

Your Toyota dealer

Your Toyota dealer will provide quality maintenance and any other assistance you may require.
If there is not a Toyota dealer near you, please call the following number:

■ **U.S. OWNERS**

- In the U.S. mainland or Canada:
  Toyota Customer Experience Center
  1-800-331-4331 (Toll-Free)
- In Hawaii:
  Servco Automotive Customer Services
  1-888-272-5515 (Toll-Free)

■ **CANADIAN OWNERS**

- In Canada or the U.S. mainland:
  Toyota Canada Customer Interaction Centre
  1-888-TOYOTA-8 or **1-888-869-6828** (Toll-Free)

Please access our **websites** for further information.

- The U.S. mainland: **www.toyota.com**
- Hawaii: **www.toyotahawaii.com**
- Canada: **www.toyota.ca**

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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.

Noise from under vehicle after turning off the hybrid system

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

Accessories, spare parts and modification of your Toyota

A wide variety of non-genuine spare parts and accessories for Toyota vehicles are currently available in the market. You should know that Toyota does not warrant these products and is not responsible for their performance, repair, or replacement, or for any damage they may cause to, or adverse effect they may have on, your Toyota vehicle.

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

Installation of a mobile two-way radio system

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

- Hybrid system
- Multiport fuel injection system/sequential multiport fuel injection system

- Toyota Safety Sense 2.0
- 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 a mobile two-way radio system.

High voltage parts and cables on the hybrid 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 mobile two-way radio.

Vehicle data recording

The vehicle is equipped with sophisticated computers that will record certain data, such as:

- 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.
- Hybrid battery (traction battery) status

The recorded data varies according to the vehicle grade level and options 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 Transmission

Your vehicle may transmit the data recorded in these computers to Toyota without notification to you.

- 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

- Recorded image information can be erased by your Toyota dealer.

The image recording function can be disabled. However, if the function is disabled, data from when the system operates will not be avail-

able.

- To learn more about the vehicle data collected, used and shared by Toyota, please visit www.toyota.com/privacyvts/.

Usage of data collected through Safety Connect (U.S.mainland only)

If your Toyota has Safety Connect and if you have subscribed to those services, please refer to the Safety Connect Telematics Subscription Service Agreement for information on data collected and its usage.

- To learn more about the vehicle data collected, used and shared by Toyota, please visit www.toyota.com/privacyvts/.

Event data recorder

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

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

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

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

NOTE: EDR data are recorded by your vehicle only if a 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.

Perchlorate Material

Special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Your vehicle has components that may contain perchlorate. These components may include the airbags, seat belt pretensioners, wireless remote control batteries, and the batteries in the tire pressure warning valve and transmitters.

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.

WARNING

■ 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 side windows, the moon roof or 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.

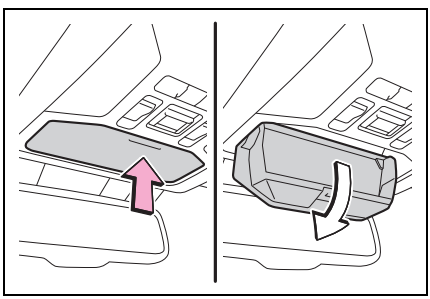
Reading this manual

Explains symbols used in this manual

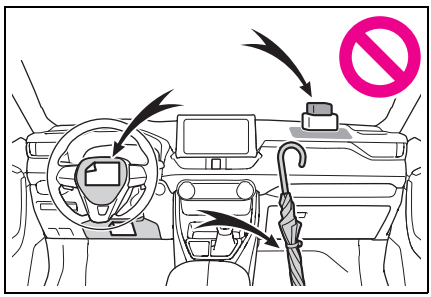
Symbols in this manual

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).

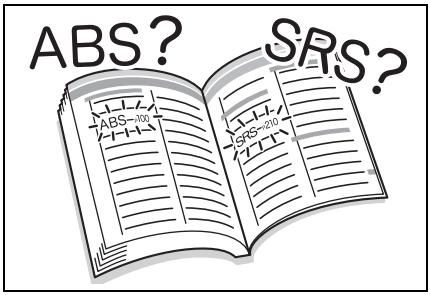


Symbols	Meanings
	Indicates the component or position being explained.
	Means **Do not**, **Do not do this**, or **Do not let this happen**.

How to search

■ Searching by name

- Alphabetical index: →P.599



■ Searching by installation position

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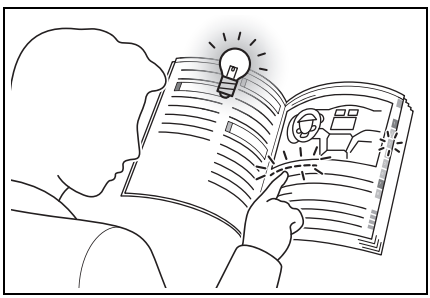

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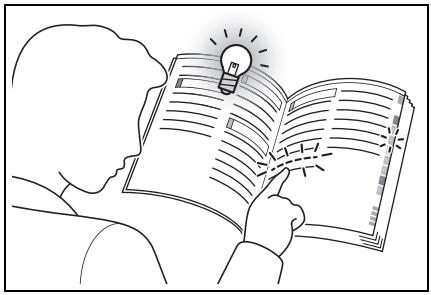

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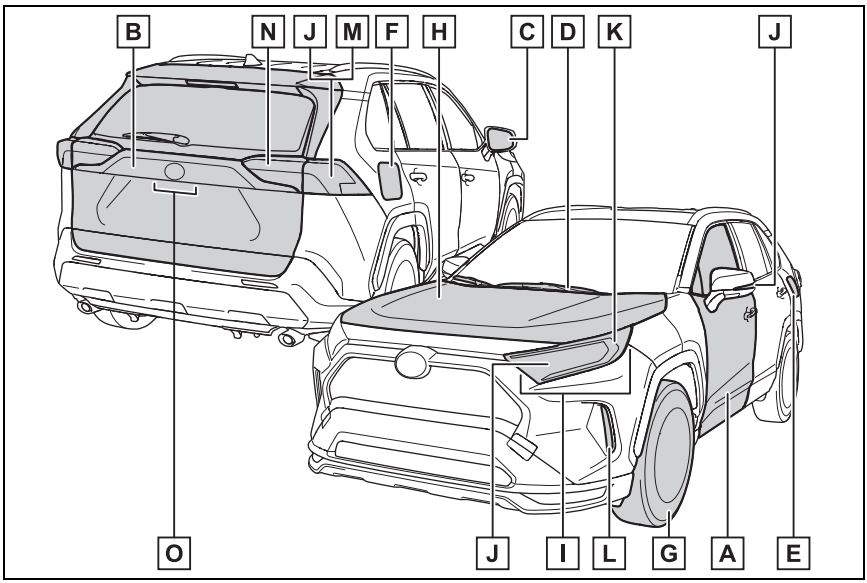

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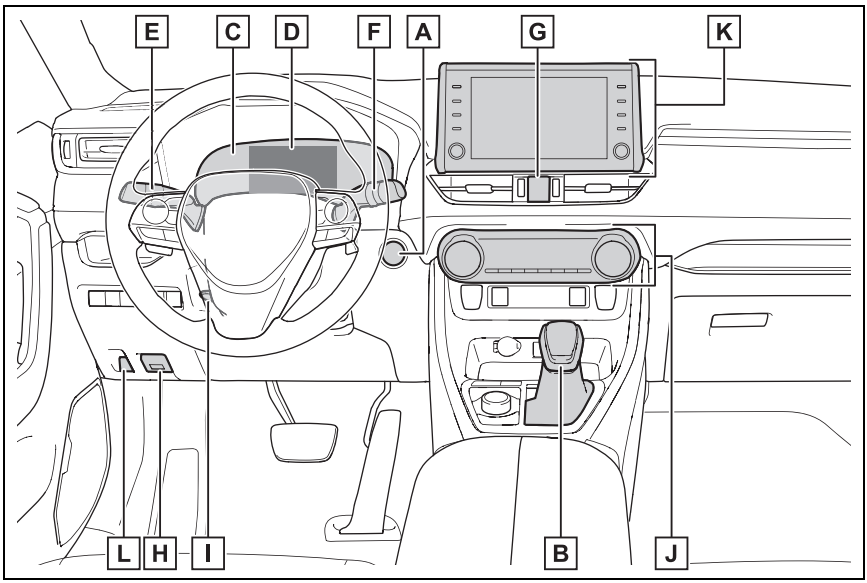

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*1: If equipped

*2: Refer to “NAVIGATION AND MULTIMEDIA SYSTEM OWNER’S MANUAL”.

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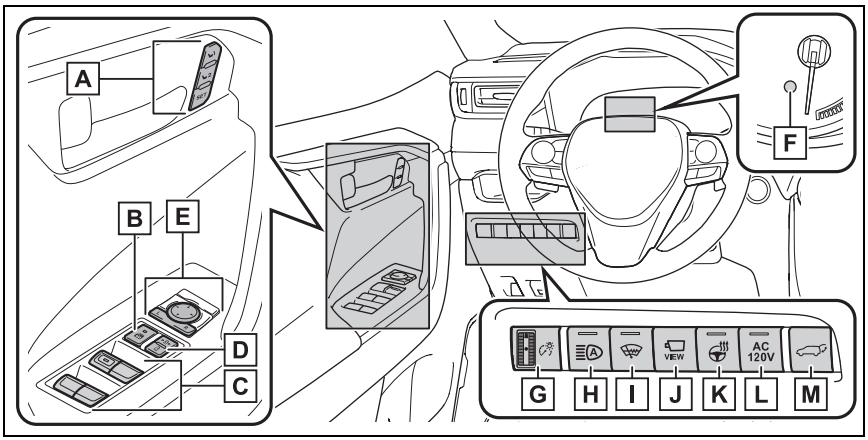

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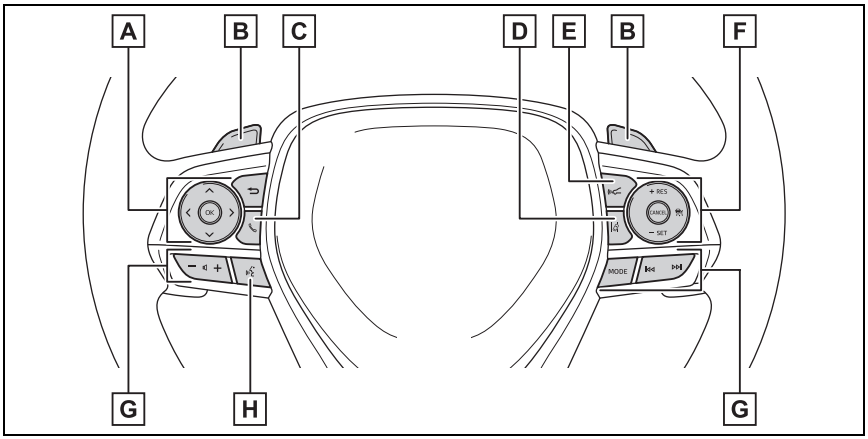
*1: If equipped

*2: Refer to "NAVIGATION AND MULTIMEDIA SYSTEM OWNER'S MANUAL".



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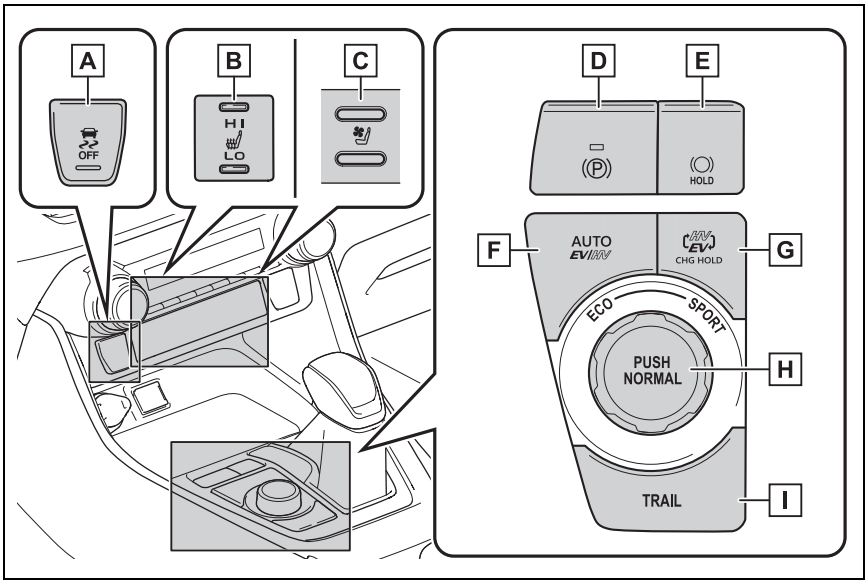
*1: If equipped

*2: Refer to “NAVIGATION AND MULTIMEDIA SYSTEM OWNER’S MANUAL”.



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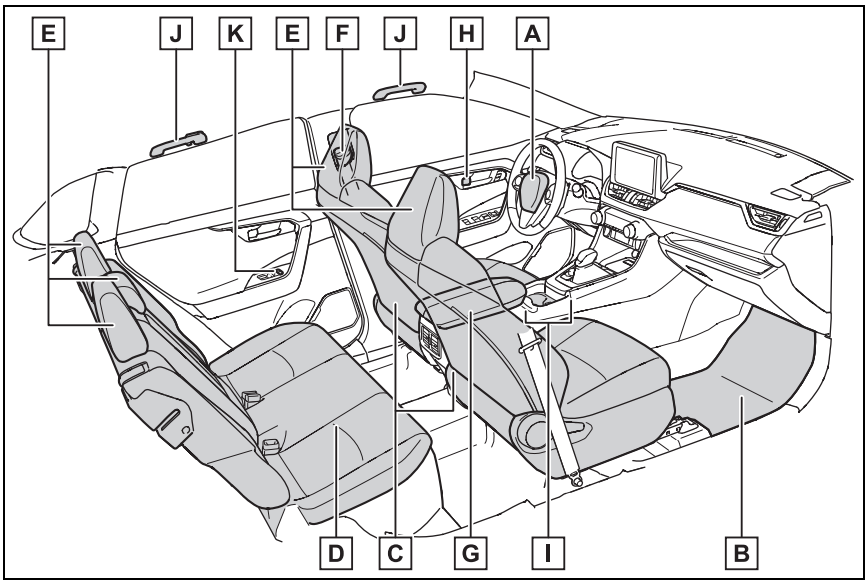
*: If equipped

■Interior



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*: If equipped

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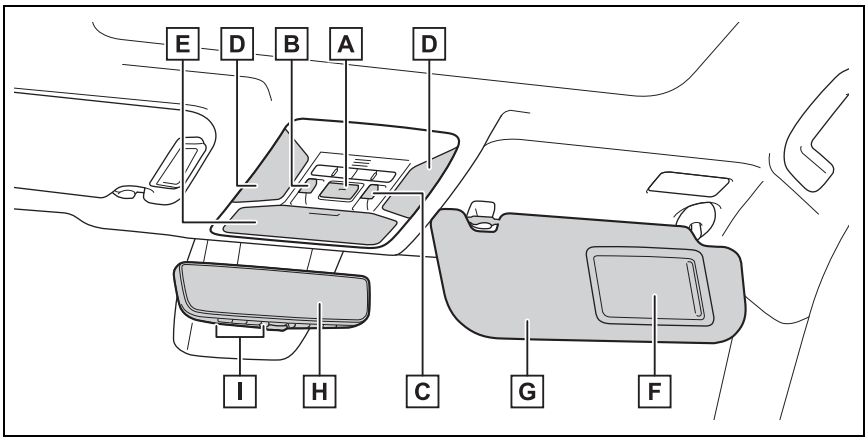

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*1: If equipped

*2: The illustration shows the front, but they are also equipped in the rear.

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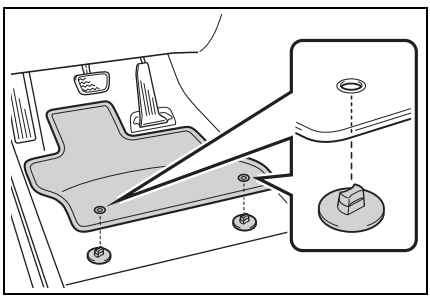
Before driving

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

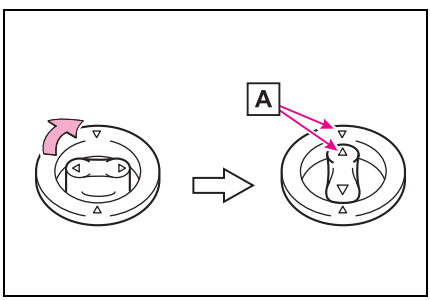
Installing floor mats

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.

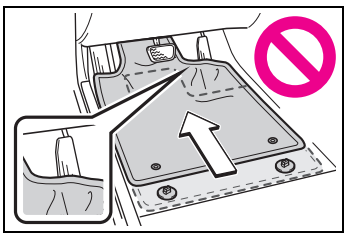
■ When installing the driver's floor mat

- 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.

WARNING

■ **Before driving**

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

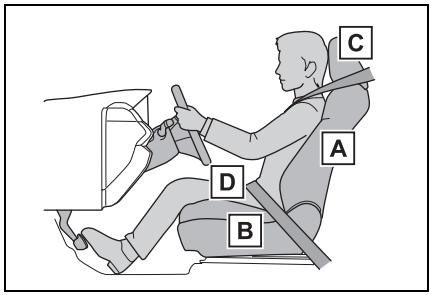


- With the hybrid system stopped and the shift lever in P, fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

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.224)

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.224)

C Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P.230)

D Wear the seat belt correctly. (→P.30)

WARNING

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

- 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.

Correct use of the seat belts

Make sure that all occupants are wearing their seat belts before driving the vehicle. (→P.30)

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt. (→P.51)

Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside rear view mirror (if equipped), Digital Rear-view Mirror (if equipped) and outside rear view mirrors properly. (→P.233, 234, 244)

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

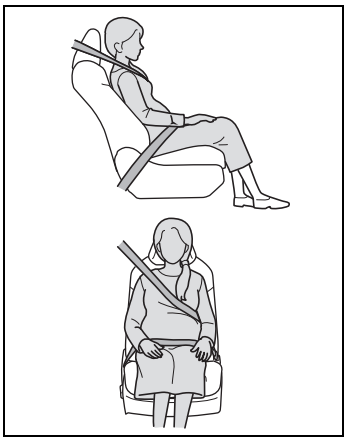
- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Each seat belt should be used by one person only. Do not use a seat belt for more than one person at once, including children.
- Toyota recommends that children be seated in the rear seat and always use a seat belt and/or 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.30)

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.30)

When children are in the vehicle

→P.59

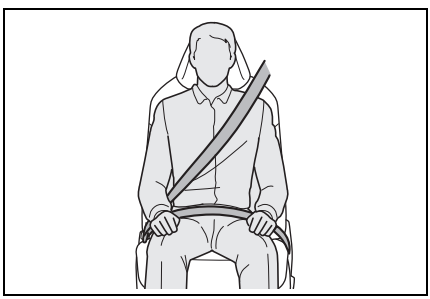
Seat belt damage and wear

- 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.

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.

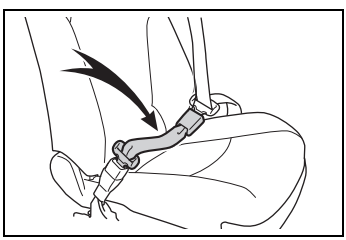
Child seat belt usage

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.51)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions regarding seat belt usage. (→P.29)

Seat belt extender

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



WARNING

Using a seat belt extender

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.

WARNING

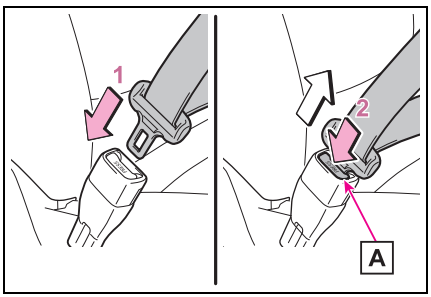
- Do not wear the seat belt extender if you can fasten the seat belt without the extender.
- Do not use the seat belt extender when installing a child restraint system because the belt will not securely hold the child restraint system, increasing the risk of death or serious injury in the event of an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

NOTICE

When using a seat belt extender

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

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 .

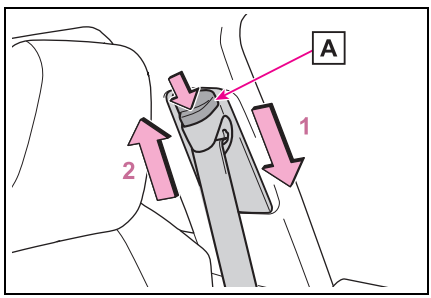
Emergency locking retractor (ELR)

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

Automatic locking retractor (ALR)

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

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 while pressing the release button A .

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

WARNING

■ Adjustable shoulder anchor

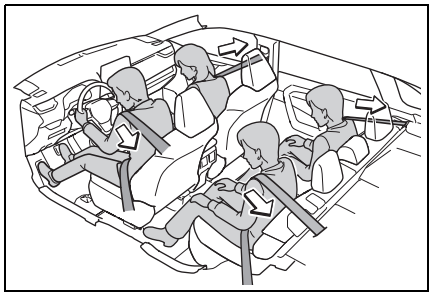
Always make sure the shoulder belt is positioned across the center of your shoulder. The belt should be kept away from your neck, but not falling off your shoulder. Failure to do so could reduce the amount of protection in an accident and cause death or serious injuries in the event of a sudden stop,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

Seat belt pretensioners (front and outboard rear seats)

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

The front seat belt pretensioners also activate when the vehicle is subjected to certain types of severe side collision.

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



■ 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 seat belt pretensioner 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

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.

- Do not place anything, such as a cushion, on the front passenger's seat.
  Doing so will disperse the passenger's weight, which prevents the sensor from detecting the passenger's weight properly. As a result, the seat belt pretensioner for the front passenger's seat may not activate in the event of a collision.

WARNING

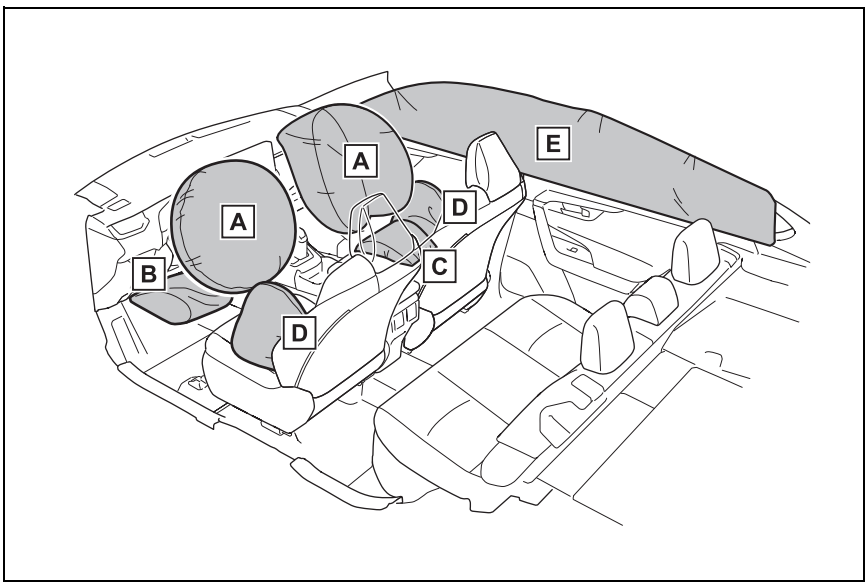
- If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at your Toyota dealer.

SRS airbags

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

SRS airbag system

■ Location of the SRS airbags



▶ SRS front airbags

A SRS driver airbag/front passenger airbag

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

B SRS knee airbag

Can help provide driver protection

C SRS seat cushion airbag

Can help restrain the front passenger

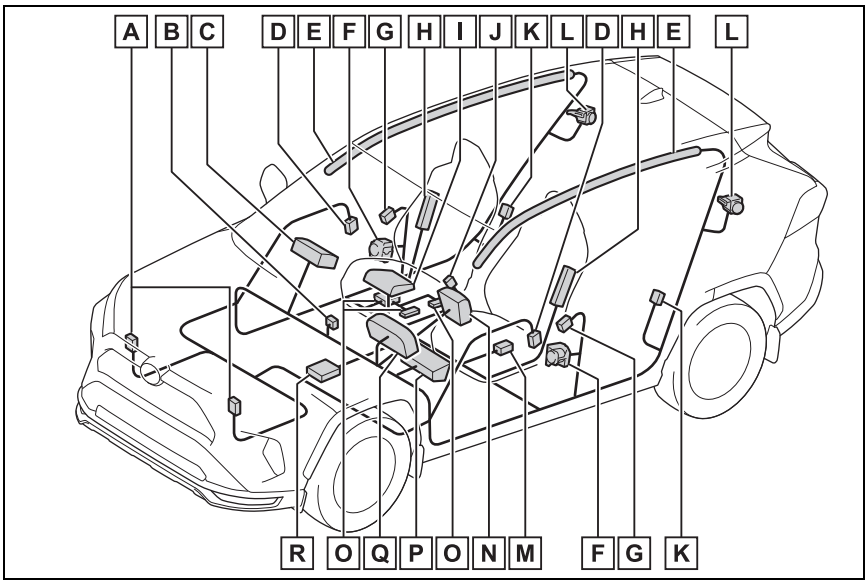
▶ SRS side and curtain shield airbags

D SRS front side airbags

Can help protect the torso of the front seat occupants

E SRS curtain shield airbags
- Can help protect primarily the head of occupants in the outer seats
- Can help prevent the occupants from being thrown from the vehicle in the event of vehicle rollover

■ SRS airbag system components



A Front impact sensors

B “AIR BAG ON” and “AIR BAG OFF” indicator lights

C Front passenger airbag

D Side impact sensors (front door)

E Curtain shield airbags

F Seat belt pretensioners and force limiters (front seats)

G Side impact sensors (front)

H Side airbags

I Seat cushion airbag

J Front passenger’s seat belt buckle switch

K Side impact sensors (rear)

L Seat belt pretensioners and force limiters (outboard rear seats)

M Driver’s seat position sensor

N Driver airbag

O Front passenger occupant classification sensors

P Knee airbag

Q SRS warning light

R Airbag sensor assembly

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

■ **If the SRS airbags deploy (inflate)**

- Slight abrasions, burns, bruising etc., may be sustained from SRS airbags, due to the extremely high speed 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 front seats, parts of the front and rear pillars, and roof side rails, may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.
- The hybrid system will be stopped and fuel supply to the engine will be stopped. (→P.91)
- The brakes and stop lights will be controlled automatically. (→P.381)
- The interior lights will turn on automatically. (→P.411)
- The emergency flashers will turn on automatically. (→P.504)
- For Safety Connect 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.66)
  - An SRS airbag is deployed.
  - A seat belt pretensioner is activated.
  - The vehicle is involved in a severe rear-end collision.

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

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

However, this threshold velocity will be considerably higher in the follow-

ing situations:

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

- Depending on the type of collision, it is possible that only the seat belt pretensioners will activate.
- The SRS front airbags for the front passenger will not activate if there is no passenger sitting in the front passenger seat. However, the SRS front airbags for the front passenger may deploy if luggage is put in the seat, even if the seat is unoccupied.
- The SRS seat cushion airbag on the front passenger seat will not operate if the occupant is not wearing a seat belt.

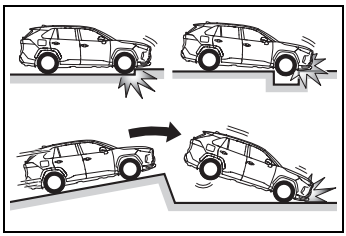
SRS airbag deployment conditions (SRS side and curtain shield airbags)

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

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

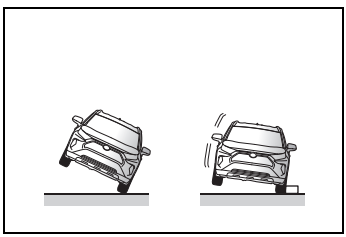
The SRS front airbags and SRS curtain shield airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.

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



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

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

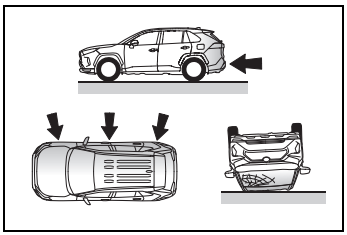


Types of collisions that may not deploy the SRS airbags (SRS front airbags)

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

front airbags may occur.

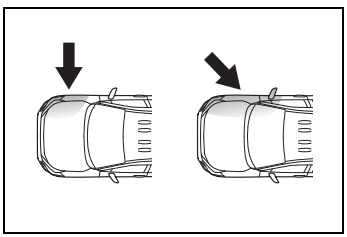
- Collision from the side
- Collision from the rear
- Vehicle rollover



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

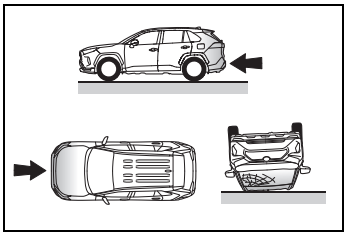
The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.

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



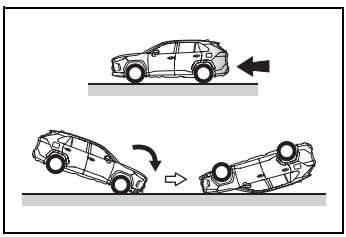
The SRS side airbags do not generally inflate if the vehicle is involved in a frontal or rear collision, if it rolls over, or if it is involved in a low-speed side collision.

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



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

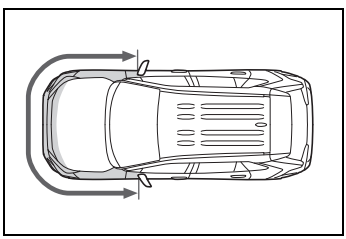
- Collision from the rear
- Pitching end over end



■ When to contact your Toyota dealer

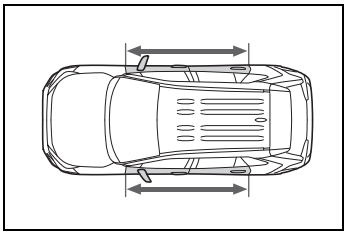
In the following cases, the vehicle will require inspection and/or repair. Contact your Toyota dealer as soon as possible.

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

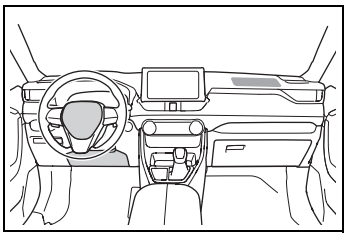


- A portion of a door or its surrounding area is damaged, deformed or has had a hole made in it, or the

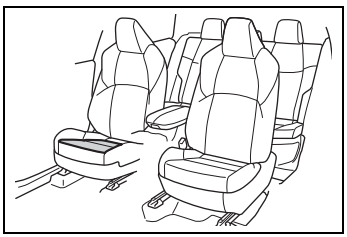
vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.



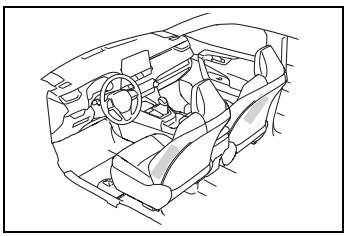
- The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.



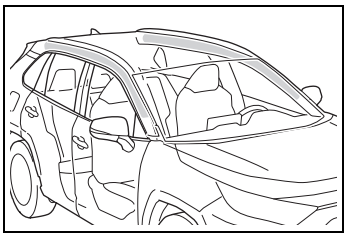
- The front passenger's seat cushion surface is scratched, cracked, or otherwise damaged.



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



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



WARNING

■ SRS airbag precautions

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

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

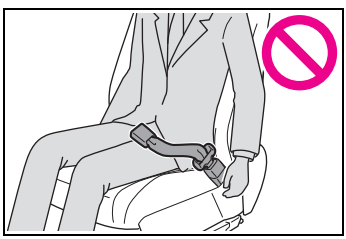
Since the risk zone for the driver's airbag is the first 2 - 3 in. (50 - 75 mm) of inflation, placing yourself 10 in. (250 mm) from your driver airbag provides you with a clear margin of safety. This distance is measured from the center of the steering wheel to your breastbone. If you sit less than 10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

WARNING

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

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

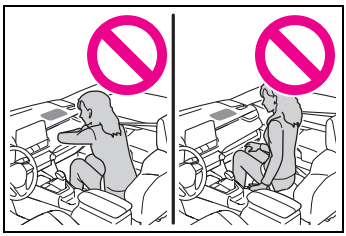
- If the seat belt extender has been connected to the front passenger's seat belt buckle but the seat belt extender has not also been fastened to the latch plate of the seat belt, the SRS front airbags will judge that the front passenger is wearing the seat belt even though the seat belt has not been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



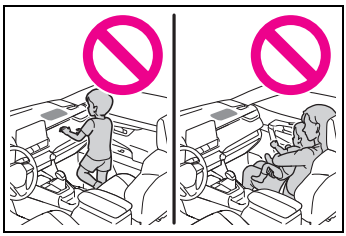
- The SRS front passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the front passenger is very close to the airbag. The front passenger seat should be as far from the airbag as possible with the seatback adjusted, so the front passenger sits upright.
- Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. 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.51)

WARNING

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



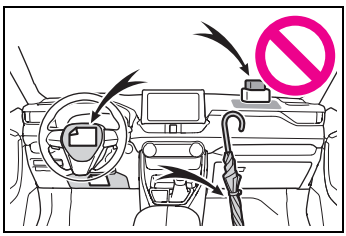
- Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger.



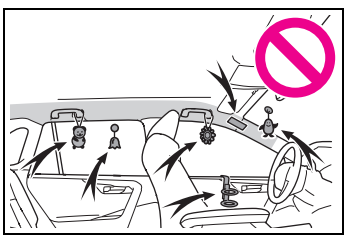
- Do not allow the front seat occupants to hold items on their knees.
- Do not lean against the door, the roof side rail or the front, side and rear pillars.

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

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



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



WARNING

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

Modification and disposal of SRS airbag system components

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

- Installation, removal, disassembly and repair of the SRS airbags
- Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard, seats or seat upholstery, front, side and rear pillars, roof side rails, front door panels, front door trims or front door speakers
- Modifications to the front door panel (such as making a hole in it)
- Repairs or modifications of the front fender, front bumper, or side of the occupant compartment

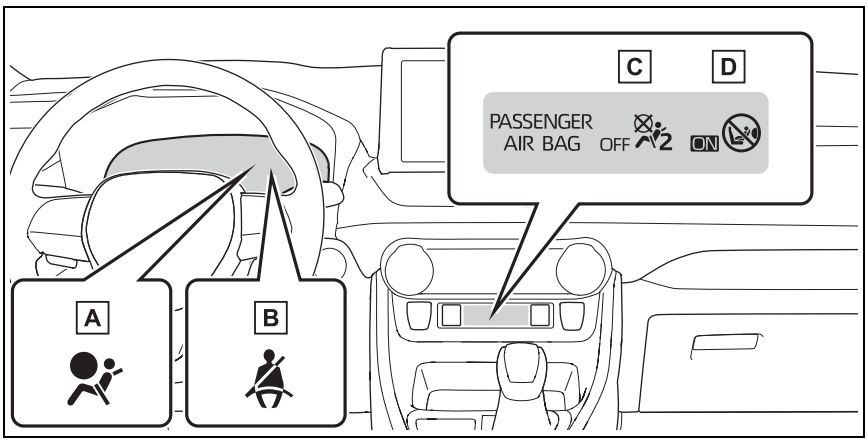
WARNING

- Installation of a grille guard (bull bars, kangaroo bar, etc.), snow plows, winches or roof luggage carrier
- Modifications to the vehicle's suspension system
- Installation of electronic devices such as mobile two-way radios and CD players
- Modifications to your vehicle for a person with a physical disability

Front passenger occupant classification system

Your vehicle is equipped with a front passenger occupant classification system. This system detects the conditions of the front passenger seat and activates or deactivates the front passenger airbag and seat cushion airbag in the front passenger side.

System components



A SRS warning light

B Driver's and front passenger's seat belt reminder light

C "AIR BAG OFF" indicator light

D "AIR BAG ON" indicator light

WARNING

■ **Front passenger occupant classification system precautions**

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

- Wear the seat belt properly.
- Make sure the front passenger's seat belt plate has not been left inserted into the buckle before someone sits in the front passenger seat.

WARNING

- Make sure the “AIR BAG OFF” indicator light is not illuminated when using the seat belt extender for the front passenger seat. If the “AIR BAG OFF” indicator light is illuminated, disconnect the extender tongue from the seat belt buckle, and reconnect the seat belt. Reconnect the seat belt extender after making sure the “AIR BAG ON” indicator light is illuminated. If you use the seat belt extender while the “AIR BAG OFF” indicator light is illuminated, the SRS airbags for the front passenger will not activate, which could cause death or serious injury in the event of a collision.
- Do not apply a heavy load to the front passenger seat or equipment (e.g. seatback pocket).
- Do not put weight on the front passenger seat by putting your hands or feet on the front passenger seat seatback from the rear passenger seat.
- Do not let a rear passenger lift the front passenger seat with their feet or press on the seatback with their legs.
- Do not put objects under the front passenger seat.
- Do not recline the front passenger seatback so far that it touches a rear seat. This may cause the “AIR BAG OFF” indicator light to be illuminated, which indicates that the SRS airbags for the front passenger will not activate in the event of a severe accident. If the seatback touches the rear seat, return the seatback to a position where it does not touch the rear seat. Keep the front passenger seatback as upright as possible when the vehicle is moving. Reclining the seatback excessively may lessen the effectiveness of the seat belt system.
- If an adult sits in the front passenger seat, the “AIR BAG ON” indicator light is illuminated. If the “AIR BAG OFF” indicator is illuminated, ask the passenger to sit up straight, well back in the seat, feet on the floor, and with the seat belt worn correctly. If the “AIR BAG OFF” indicator still remains illuminated, either ask the passenger to move to the rear seat, or if that is not possible, move the front passenger seat fully rearward.
- When it is unavoidable to install a forward-facing child restraint system on the front passenger seat, install the child restraint system on the front passenger seat in the proper order. (→P.54)
- Do not modify or remove the front seats.
- Do not kick the front passenger seat or subject it to severe impact. Otherwise, the SRS warning light may come on to indicate a malfunction of the front passenger occupant classification system. In this case, contact your Toyota dealer immediately.

WARNING

- Child restraint systems installed on the rear seat should not contact the front seatbacks.
- Do not use a seat accessory, such as a cushion and seat cover, that covers the seat cushion surface.
- Do not modify or replace the upholstery of the front seat.
- Adjust the front passenger seat so that the head restraint does not touch the ceiling. If the head restraint is left in contact with the ceiling, the system may not detect the front passenger properly, leading to improper operation of the airbags.

Condition and operation in the front passenger occupant classification system

■ Adult*1

Indicators/warning lights	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG ON”
	SRS warning light	Off
	Driver’s and front passenger’s seat belt reminder light	Off*2 or flashing*3
Devices	Front passenger airbag	Activated
	Front passenger seat cushion airbag	Activated *2 or deactivated*3

■ **Child**[*4]

Indicators/warning lights	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG OFF” or “AIR BAG ON”[*4]
	SRS warning light	Off
	Driver’s and front passenger’s seat belt reminder light	Off[*2] or flashing[*3]
Devices	Front passenger airbag	Deactivated or activated[*4]
	Front passenger seat cushion airbag	Deactivated or activated[*2, 4]

■ **Child restraint system with infant**[*5]

Indicators/warning lights	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG OFF” [*6]
	SRS warning light	Off
	Driver’s and front passenger’s seat belt reminder light	Off[*2] or flashing[*3]
Devices	Front passenger airbag	Deactivated
	Front passenger seat cushion airbag	

■ **Unoccupied**

Indicators/warning lights	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG OFF”
	SRS warning light	Off
	Driver’s and front passenger’s seat belt reminder light	
Devices	Front passenger airbag	Deactivated
	Front passenger seat cushion airbag	

■ There is a malfunction in the system

Indicators/warning lights	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG OFF”
	SRS warning light	On
	Driver’s and front passenger’s seat belt reminder light	
Devices	Front passenger airbag	Deactivated
	Front passenger seat cushion airbag	

*1: The system judges a person of adult size as an adult. When a smaller adult sits in the front passenger seat, the system may not recognize him/her as an adult depending on his/her physique and posture.

*2: In the event the front passenger is wearing a seat belt.

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

*4: For some children, child in seat, child in booster seat or child in convertible seat, the system may not recognize him/her as a child. Factors which may affect this can be the physique or posture.

*5: Never install a rear-facing child restraint system on the front passenger seat. A forward-facing child restraint system should only be installed on the front passenger seat when it is unavoidable. (→P.54)

*6: In case the indicator light is not illuminated, consult this manual on how to install the child restraint system properly. (→P.51)

Exhaust gas precautions

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

WARNING

Exhaust gases contain harmful carbon monoxide (CO), which is colorless and odorless. Observe the following precautions.
Failure to do so may cause exhaust gases to 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 back door closed.
- If you smell exhaust gases in the vehicle even when the back door is closed, open the side 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 operating 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.

■ 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.202, 248)
- Do not let small children operate equipment which may catch or pinch body parts, such as the power window, hood, back door, 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 side windows, the moon roof (if equipped), the panoramic moon roof (if equipped) 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.

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Child restraint system installation method
- Fixed with a seat belt: P.55
- Fixed with a child restraint LATCH anchor: P.60
- Using an anchor bracket (for top tether strap): P.62

Points to remember

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

- 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 that suits your vehicle and is appropriate to the age and size of the child.

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 instructions are provided in this manual.

WARNING

- 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.
- 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

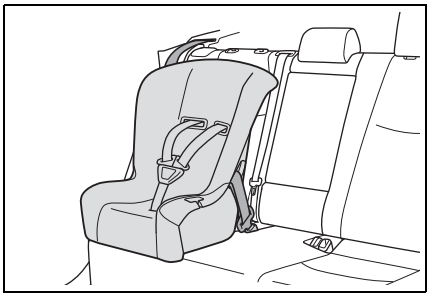
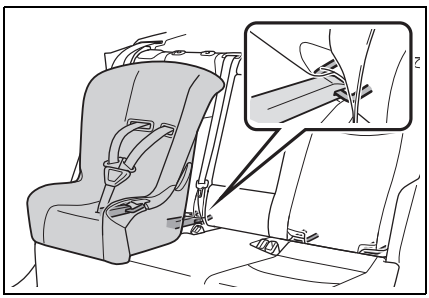
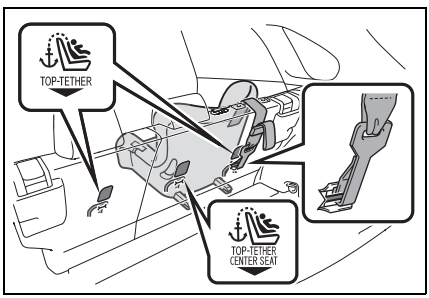
If the child restraint system is not properly fixed in place, the child or other passengers may be seriously injured or even killed in the event of sudden braking, sudden swerving, or an accident.

- 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.
- Make sure you have complied with all installation instructions provided with the child restraint system manufacturer and that the system is properly secured.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the luggage compartment.

Child restraint system

■ Types of child restraint system installation methods

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

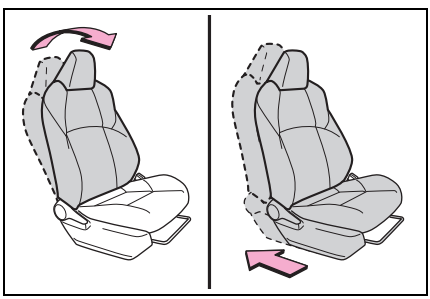
Installation method		Page
Seat belt attachment		P.55
Child restraint LATCH anchors attachment		P.60
Anchor brackets (for top tether strap) attachment		P.62

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 the child restraint system to a front passenger seat is unavoidable, adjust the seat as follows and install the child restraint system.

- Adjust the seatback angle to the most upright position.
- Move the front seat fully rearward.
- If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.



WARNING

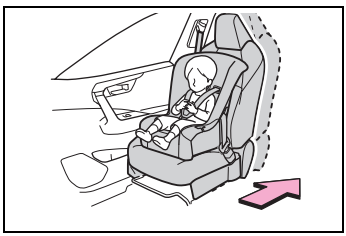
■ When using a child restraint system

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

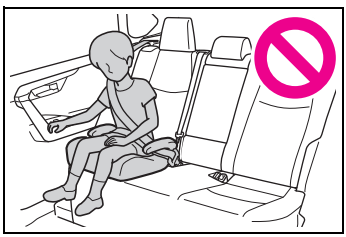
- Never install a rear-facing child restraint system on the front passenger seat even if the “AIR BAG OFF” indicator light is illuminated. In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child if the rear-facing child restraint system is installed on the front passenger seat.
- A forward-facing child restraint system may be installed on the front passenger seat only when it is unavoidable. A child restraint system that requires a top tether strap should not be used in the front passenger seat since there is no top tether strap anchor for the front passenger seat.

WARNING

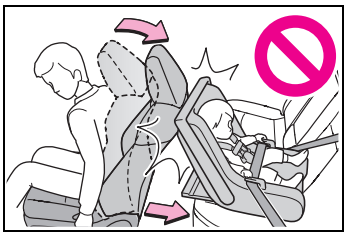
- A forward-facing child restraint system may be installed on the front passenger seat only when it is unavoidable. When installing a forward-facing child restraint system on the front passenger seat, adjust the seatback angle to the most upright position, move the seat to the rearmost position, even if the "AIR BAG OFF" indicator light is illuminated.
  If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint.



- 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 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.
- Use a 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 right-hand rear seat.



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

Child restraint system fixed with a seat belt

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

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

Install the child restraint system in accordance to the operation

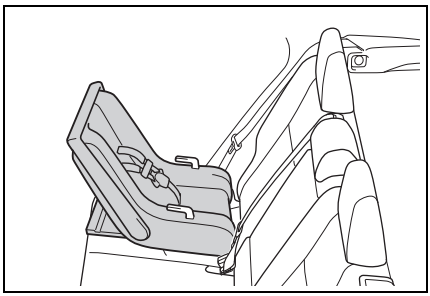
manual enclosed with the child restraint system.

■ **Rear-facing — Infant seat/convertible seat**

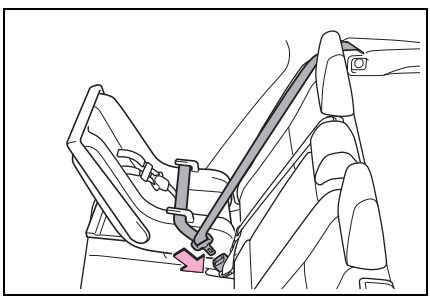
1 Adjust the rear seat.

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

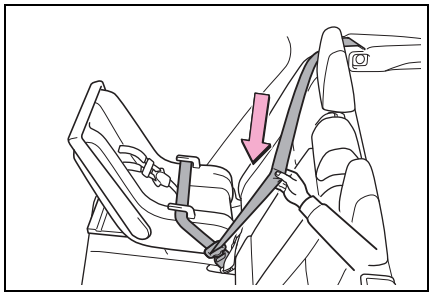
2 Place the child restraint system on the rear seat facing the rear of the vehicle.



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.

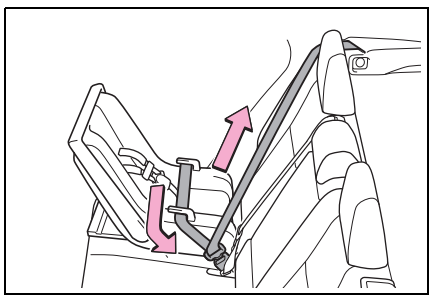


4 Fully extend the shoulder belt and allow it to retract to put it in lock mode. In lock mode, the belt cannot be extended.



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

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



6 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.59)

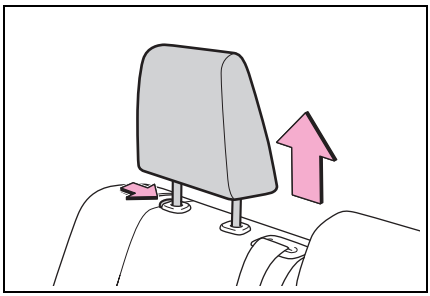
■ **Forward-facing — Convertible seat**

1 Adjust the seat.

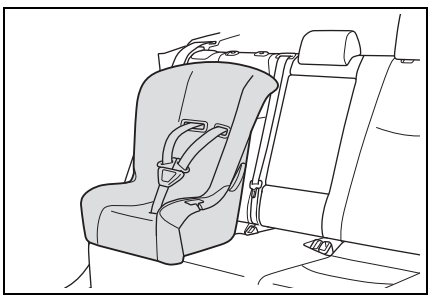
When using the front passenger seat: If installing the child restraint system to the front passenger seat is unavoidable, refer to P.54 for front passenger seat adjustment.

When using the rear seat: If there is a gap between the child restraint system and the seatback, adjust the seatback angle until good contact is achieved.

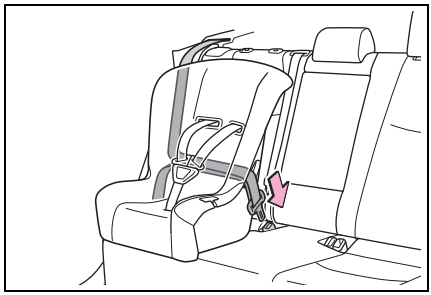
2 If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint. (→P.231)



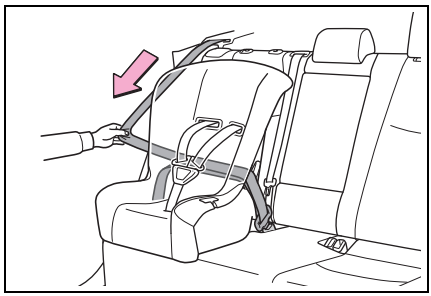
3 Place the child restraint system on the seat facing the front of the vehicle.



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



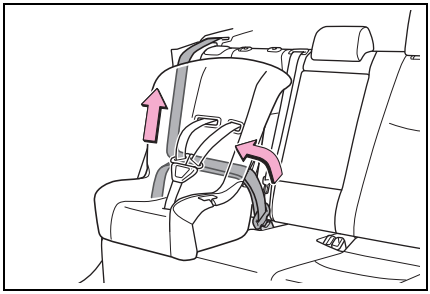
5 Fully extend the shoulder belt and allow it to retract to put it in lock mode. In lock mode, the belt cannot be extended.



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

After the shoulder belt has retracted to a point where there is no slack in the belt, pull the belt to

check that it cannot be extended.



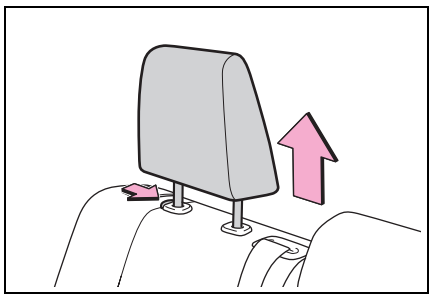
7 If the child restraint has a top tether strap, follow the child restraint manufacturer's operation manual regarding the installation, using the top tether strap to latch onto the top tether strap anchor. (→P.62)

8 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.59)

■ **Booster seat**

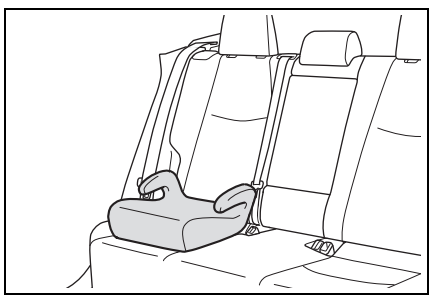
1 If installing the child restraint system to the front passenger seat is unavoidable, refer to P.54 for front passenger seat adjustment.

2 High back type: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. (→P.231)

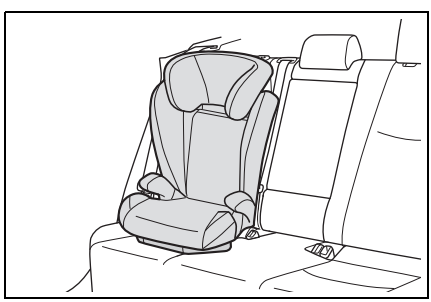


3 Place the child restraint system on the seat facing the front of the vehicle.

▶ Booster type



▶ High back type



4 Sit the child in the child restraint system. Fit the seat belt to the child restraint system according to the manufacturer's instructions and insert the plate into the

buckle. Make sure that the belt is not twisted.

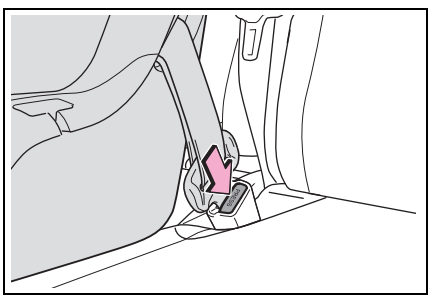
Check that the shoulder belt is correctly positioned over the child's shoulder and that the lap belt is as low as possible. (→P.29)

■ 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.



⚠ 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 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.

WARNING

- When securing some types of child restraint systems in rear seats, 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 system in the center rear seat, adjust both seatbacks at the same angle. Otherwise, the child restraint system cannot be securely restrained and this may cause death or serious injuries in the event of sudden braking, sudden swerving or an accident.

■ When installing a booster seat

To prevent the belt from going into ALR lock mode, do not fully extend the shoulder belt. ALR mode causes the belt to tighten only. This could cause injury or discomfort to the child. (→P.31)

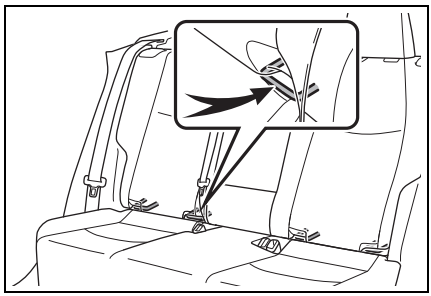
■ Do not use a seat belt extender

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

Child restraint system fixed with a child restraint LATCH anchor

■ Child restraint LATCH anchors

LATCH anchors are provided for the outboard rear seats.



■ When installing in the rear outboard seats

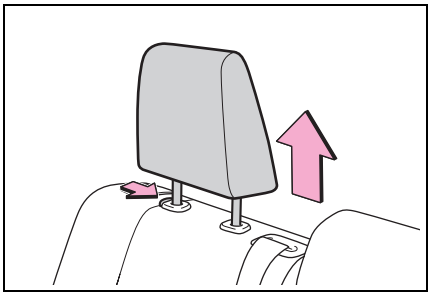
Install the child restraint system in accordance to the operation manual enclosed with the child restraint system.

1 Adjust the seat.

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

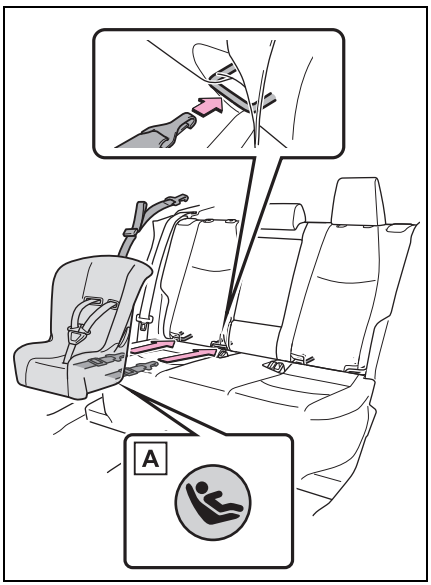
2 If the head restraint interferes with the child restraint system installation and the head restraint can be removed,

remove the head restraint. (→P.231)



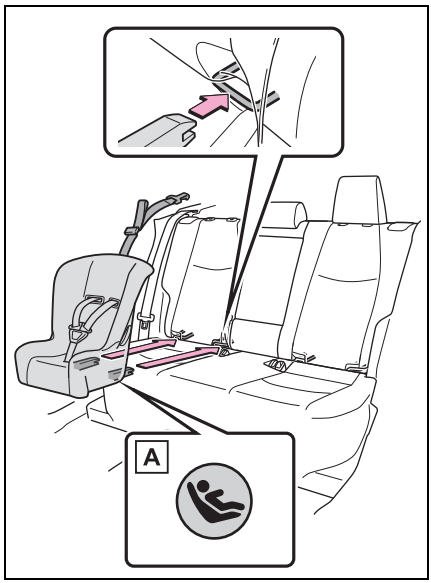
▶ With flexible lower attachments

3 Latch the hooks of the lower attachments onto the LATCH anchors.
For owners in Canada:
The symbol on a child restraint system indicates A the presence of a lower connector system.



▶ With rigid lower attachments

3 Latch the buckles onto the LATCH anchors.
For owners in Canada:
The symbol on a child restraint system indicates A the presence of a lower connector system.



4 If the child restraint has a top tether strap, follow the child restraint manufacturer's operation manual regarding the installation, using the top tether strap to latch onto the top tether strap anchor. (→P.62)

5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.59)

When installing in the rear center seat

There are no LATCH anchors behind the rear center seat. However, the inboard LATCH anchors of the outboard seats, which are 17.3 in. (440 mm) apart, can be used if the child restraint system manufacturer's instructions permit use of those anchors with the anchor spacing stated.

Child restraint systems with rigid lower attachments cannot be installed in the center seat. This type of child restraint system can only be installed in the outboard seat.

Laws and regulations pertaining to anchors

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

WARNING

When installing a child restraint system

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

- When using the LATCH anchors, be sure that there are no foreign objects around the anchors and that the seat belt is not caught behind the child restraint system.
- Follow all installation instructions provided by the child restraint system manufacturer.
- Never attach two child restraint system attachments to the same anchor. In a collision, one anchor may not be strong enough to hold two child restraint system attachments and may break.
  If the LATCH anchors are already in use, use the seat belt to install a child restraint system in the center seat.
- When securing some types of child restraint systems in rear seats, 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.
- If the seat is adjusted, reconfirm the security of the child restraint system.

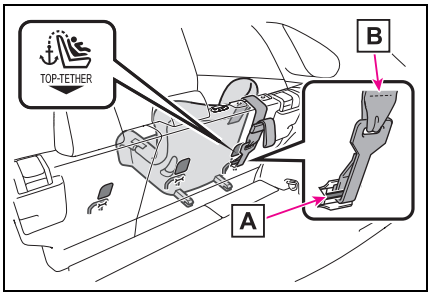
Using an anchor bracket (for top tether strap)

Anchor brackets (for top tether strap)

Anchor brackets are provided for each rear seat.

Use anchor brackets when fixing the top tether strap.

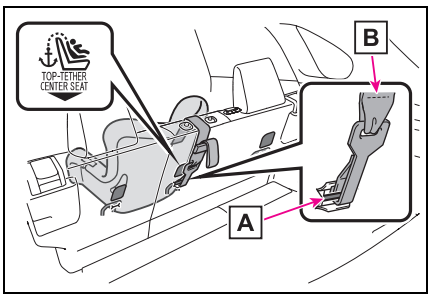
▶ Outboard rear seats



A Anchor brackets

B Top tether strap

▶ Center rear seat



A Anchor bracket

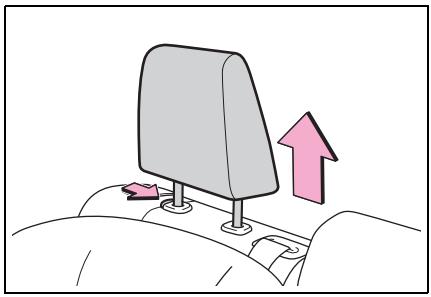
B Top tether strap

■ Fixing the top tether strap to the anchor bracket

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

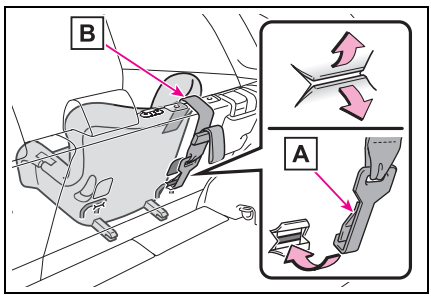
▶ Outboard rear seats

1 Remove the head restraint. (→P.231)



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

Make sure the top tether strap is securely latched. (→P.59)

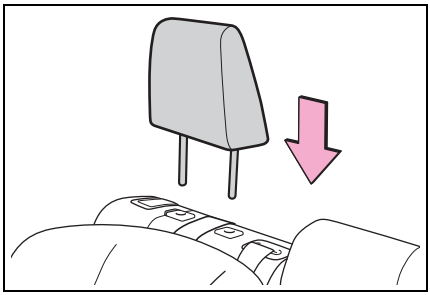


A Hook

B Top tether strap

3 If the head restraint does not interfere with the child

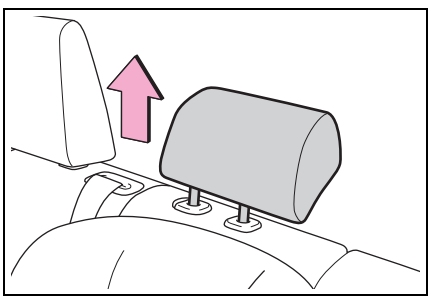
restraint system installation, install the head restraint.



▶ Center rear seat

1 Adjust the head restraint to the upmost position.

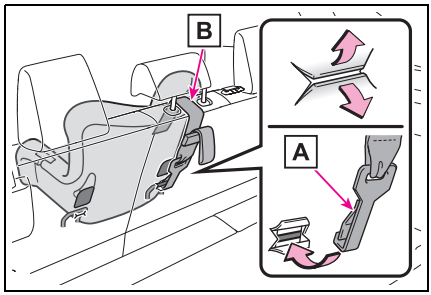
If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. (→P.231)



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

Make sure the top tether strap is securely latched.

When installing the child restraint system with the head restraint being raised, be sure to have the top tether strap pass underneath the head restraint.



A Hook

B Top tether strap

■ Laws and regulations pertaining to anchors

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

⚠ WARNING

■ When installing a child restraint system

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

- Firmly attach the top tether strap and make sure that the belt is not twisted.
- Do not attach the top tether strap to anything other than the anchor bracket.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.

WARNING

- Center rear seat: When installing the child restraint system with the head restraint being raised, after the head restraint has been raised and then the anchor bracket has been fixed, do not lower the head restraint.

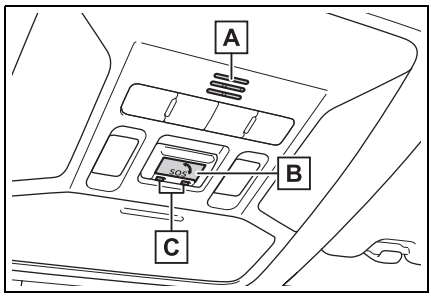
Safety Connect

Safety Connect is a subscription-based telematics service that uses Global Positioning System (GPS) data and embedded cellular technology to provide safety and security features to subscribers. Safety Connect is supported by Toyota's designated response center, which operates 24 hours per day, 7 days per week.

Safety Connect service is available by subscription on select, telematics hardware-equipped vehicles.

By using the Safety Connect service, you are agreeing to be bound by the Telematics Subscription Service Agreement and its Terms and Conditions, as in effect and amended from time to time, a current copy of which is available at Toyota.com in the United States, Toyotapr.com in Puerto Rico and Toyota.ca in Canada. All use of the Safety Connect service is subject to such then-applicable Terms and Conditions.

System components



A Microphone

B "SOS" button

C LED light indicators

Certification for the Safety Connect

FCC ID: JOYDA39

NOTE
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
FCC WARNING
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
CAUTION : Radio Frequency Radiation Exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

IC: 574B-DA39

NOTE
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
The antenna cannot be removed (and changed) by user.
Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
CAUTION: Radio Frequency Radiation Exposure
This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

NOTE
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
L'utilisateur n'est pas autorisé à retirer (ou modifier) l'antenne.
Emplacement: Cet émetteur ne doit pas être installé ou utilisé conjointement avec d'autres antennes ou émetteurs.
ATTENTION : exposition aux radiofréquences
Cet équipement est conforme aux limites d'exposition aux rayonnements ISDE établies pour un environnement non contrôlé et satisfait à la norme CNR-102 de la réglementation ISDE sur l'exposition aux radiofréquences (RF). Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et le corps.

Services

Subscribers have the following Safety Connect services available:

- Automatic Collision Notification*

Helps drivers receive necessary response from emergency service providers. (→P.69)

*: U.S. Patent No. 7,508,298 B2

- Stolen Vehicle Location

Helps drivers in the event of vehicle theft. (→P.70)

- Emergency Assistance Button ("SOS")

Connects drivers to response-center support. (→P.70)

- Enhanced Roadside Assistance

Provides drivers various on-road assistance. (→P.70)

Subscription

After you have signed the Telematics Subscription Service Agreement and are enrolled, you can begin receiving services.

A variety of subscription terms are available for purchase. Contact your Toyota dealer, call the following appropriate Customer Experience Center or push the "SOS" button in your vehicle for further subscription details.

- The United States

1-800-331-4331

- Canada

1-888-869-6828

- Puerto Rico

1-877-855-8377

■ **Safety Connect Services Information**

- Phone calls using the vehicle's Bluetooth® technology will not be possible when Safety Connect is active and in use.
- Safety Connect is available beginning Fall 2009 on select Toyota models (in the contiguous United States only). Contact with the Safety Connect response center is dependent upon the telematics device being in operative condition, cellular connection availability, and GPS satellite signal reception, which can limit the ability to reach the response center or receive emergency service support. Enrollment and Telematics Subscription Service Agreement are required. A variety of subscription terms are available; charges vary by subscription term selected and location.
- Automatic Collision Notification, Emergency Assistance and Stolen Vehicle Location are available in the United States, including Hawaii and Alaska, Puerto Rico and Canada, and Enhanced Roadside Assistance are available in the United States, Puerto Rico and Canada.
- Automatic Collision Notification, Emergency Assistance, Stolen Vehicle and Enhanced Road Assistance are not available in the U.S. Virgin Islands.
  For vehicles first sold in the U.S. Virgin Islands, no Safety Connect services will function in or outside the U.S. Virgin Islands.
- Safety Connect services are not subject to section 255 of the Telecommunications Act and the device is not TTY compatible.

■ **Languages**

The Safety Connect response center will offer support in multiple languages. The Safety Connect system will offer voice prompts in English, Spanish, and French. Please indicate your language of choice when enrolling.

■ **When contacting the response center**

You may be unable to contact the response center if the network is busy.

Safety Connect LED light Indicators

When the power switch is turned to ON, the red indicator light comes on for 2 seconds then turns off. Afterward, the green indicator light comes on, indicating that the service is active.

The following indicator light patterns indicate specific system usage conditions:

- Green indicator light on = Active service
- Green indicator light flashing = Safety Connect call in process
- Red indicator light (except at vehicle start-up) = System malfunction (contact your Toyota dealer)
- No indicator light (off) = Safety Connect service not active

Safety Connect services

■ **Automatic Collision Notification**

In case of either airbag deploy-

ment or severe rear-end collision, the system is designed to automatically call the response center. The responding agent receives the vehicle's location and attempts to speak with the vehicle occupants to assess the level of emergency. If the occupants are unable to communicate, the agent automatically treats the call as an emergency, contacts the nearest emergency services provider to describe the situation, and requests that assistance be sent to the location.

■ Stolen Vehicle Location

If your vehicle is stolen, Safety Connect can work with local authorities to assist them in locating and recovering the vehicle. After filing a police report, call the Customer Experience Center at 1-800-331-4331 in the United States, 1-877-855-8377 in Puerto Rico or 1-888-869-6828 in Canada, and follow the prompts for Safety Connect to initiate this service.

In addition to assisting law enforcement with recovery of a stolen vehicle, Safety-Connect-equipped vehicle location data may, under certain circumstances, be shared with third parties to locate your vehicle. Further information is available at Toyota.com in the United States, Toyotapr.com in Puerto Rico and Toyota.ca in Canada.

■ Emergency Assistance Button ("SOS")

In the event of an emergency on the road, push the "SOS" button to reach the Safety Connect response center. The answering agent will determine your vehicle's location, assess the emergency, and dispatch the necessary assistance required.

If you accidentally press the "SOS" button, tell the response-center agent that you are not experiencing an emergency.

■ Enhanced Roadside Assistance

Enhanced Roadside Assistance adds GPS data to the already included warranty-based Toyota roadside service.

Subscribers can press the "SOS" button to reach a Safety Connect response-center agent, who can help with a wide range of needs, such as: towing, flat tire, fuel delivery, etc. For a description of the Enhanced Roadside Assistance services and their limitations, please see the Safety Connect Terms and Conditions, which are available at Toyota.com in the United States, Toyotapr.com in Puerto Rico and Toyota.ca in Canada.

Safety information for Safety Connect

Important! Read this information before using Safety Connect.

Exposure to radio frequency signals

The Safety Connect system installed in your vehicle is a low-power radio transmitter and receiver. It receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for mobile wireless phones. Those guidelines are consistent with the safety standards previously set by the following U.S. and international standards bodies.

- ANSI (American National Standards Institute) C95.1 [1992]
- NCRP (National Council on Radiation Protection and Measurement) Report 86 [1986]
- ICNIRP (International Commission on Non-Ionizing Radiation Protection) [1996]

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. Over 120 scientists, engineers, and physicians from universities, and government health agencies and industries reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of Safety Connect complies with the FCC guidelines in addition to those standards.

Immobilizer system

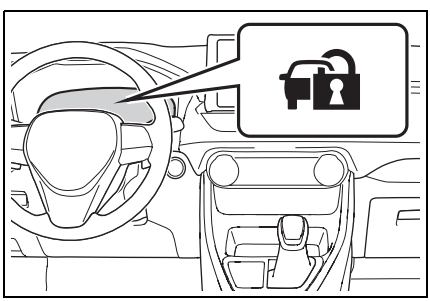
The vehicle's keys have built-in transponder chips that prevent the hybrid system from starting if a key has not been previously registered in the vehicle's on-board computer.

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 to OFF to indicate that the system is operating.
The indicator light goes off 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

■ Certification for the immobilizer system

→P.221

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*

*: If equipped

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 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/canceling/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:

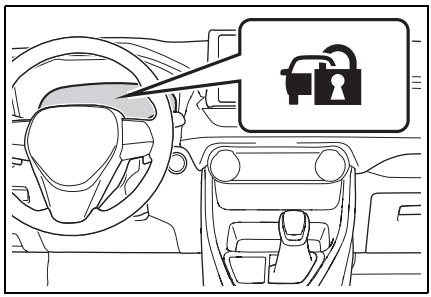
- Nobody is in the vehicle.
- The side windows and moon roof (if equipped) or panoramic moon roof (if equipped) are closed before the alarm is set.
- No valuables or other personal items are left in the vehicle.

■ Setting

Close the doors and hood, and lock all the doors. The system will be set automatically after 30 seconds.

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

If all doors are closed with hood open, alarm system can be set. (→P.73)



■ Canceling or stopping

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

- 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.)

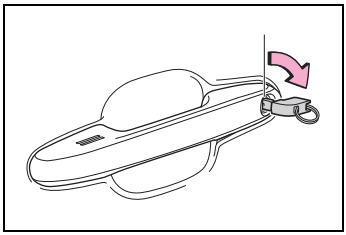
■ System maintenance

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.)

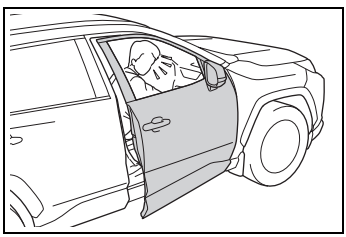
- The doors are unlocked using the mechanical key.



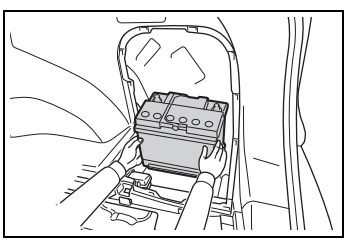
If a door is unlocked using the mechanical key while the alarm is set, a warning will sound intermittently for approximately 10 seconds.

If the alarm is not canceled or stopped during this time, the warning pattern changes and the warning sounds for a certain period of time.

- A person inside the vehicle opens a door or hood, or unlocks the vehicle using an inside lock button.



- The 12-volt battery is recharged or replaced when the vehicle is locked. (→P.539)



■ 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.

2-1. Plug-in hybrid system

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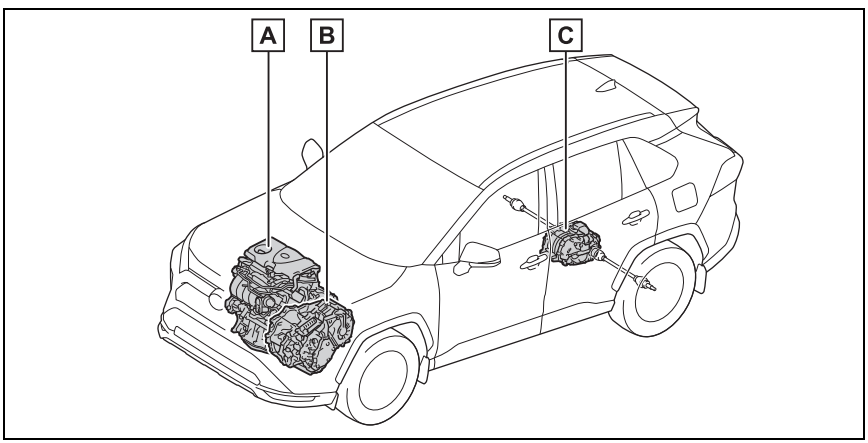
Plug-in hybrid system features

The plug-in hybrid system is a system excellent in both economical efficiency of electric vehicles and practicality of hybrid vehicles.

- EV driving can be performed using electricity charged from an external power source.*
- If the amount of electricity remaining in the hybrid battery (traction battery) becomes low, the vehicle is automatically controlled in such a way that it can be driven as a hybrid vehicle through the joint use of the gasoline engine.

*: The EV driving range will vary in accordance with conditions such as vehicle speed, the amount of charge remaining in the hybrid battery (traction battery) and the usage of the air conditioning system. The gasoline engine may also be used simultaneously in accordance with driving conditions.

System components



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

A Gasoline engine

B Front electric motor (traction motor)

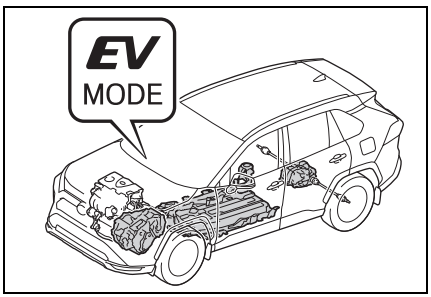
C Rear electric motor (traction motor)

Plug-in hybrid system operation mode

The plug-in hybrid system operates in the following modes.

The multi-information display can be used to check which mode the plug-in hybrid system is currently being driven in. (→P.160)

■ EV mode



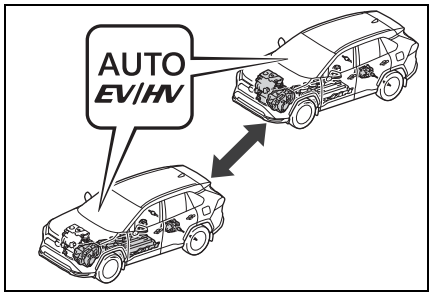
When a sufficient amount of electricity is remaining after charging[*1], EV driving is performed using electricity stored in the hybrid battery (traction battery).[*2]

When in EV mode, the EV drive mode indicator illuminates.

[*1]: The amount of remaining charge can be checked on the SOC (State of Charge) gauge. (→P.165)

[*2]: Depending on the situation, EV driving may be canceled and both gasoline engine and electric motor are used. (→P.82)

■ AUTO EV/HV mode

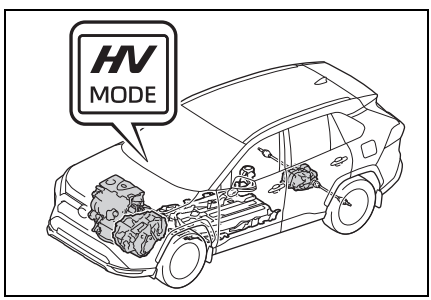


Normally, the electricity stored in the hybrid battery (traction battery) is used for EV driving. However, when more power is required, such as for driving uphill or accelerating suddenly, the gasoline engine starts and provides powerful acceleration by strongly depressing the accelerator pedal.

When the vehicle is in a condition where EV driving is possible, EV mode and AUTO EV/HV mode can be switched by operating the switch. (→P.78)

When in AUTO EV/HV mode, the AUTO EV/HV mode indicator illuminates.

■ HV mode



When in HV mode, the vehicle is driven using both the gasoline

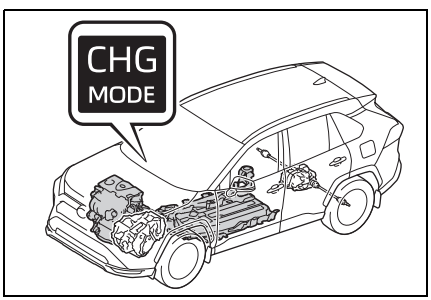
engine and electric motor. (→P.81)

- If electricity needed for EV driving in EV mode or AUTO EV/HV mode is not remaining, the operation mode will be automatically switched to HV mode.
- The operation mode can be switched to HV mode at any timing by operating the switch to keep electricity for EV driving etc.* (→P.78). Switching to HV mode when driving on a highway or when driving uphill is recommended in order to conserve battery power.

When in HV mode, the HV drive mode indicator illuminates.

*: The EV driving range may reduce even after switching to HV mode.

■ Hybrid battery (traction battery) charge mode (→P.79)



Electricity generated in the gasoline engine can be charged in the hybrid battery (traction battery) by switching to the hybrid battery (traction battery) charge mode when electricity needed for EV driving is not remaining.*

- The system may not be able to switch to the hybrid battery (traction battery) charge mode due to the state of the plug-in hybrid system. (→P.80)
- Charging time differs depending on the driving state of the vehicle when driving in hybrid battery (traction battery) charge mode.

When in the hybrid battery (traction battery) charge mode, the hybrid battery charge mode indicator illuminates.

*: When in the hybrid battery (traction battery) charge mode, the hybrid battery can be charged while driving. However, the gasoline engine runs to charge the battery and fuel consumption becomes higher compared with driving in HV mode.

Plug-in hybrid system operation mode selection switches

The plug-in hybrid system operation modes can be switched using the switches.

■ Switching the plug-in hybrid system operation modes

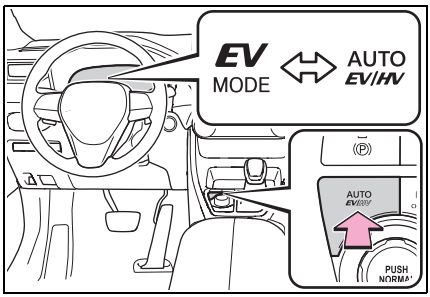
Press the AUTO EV/HV mode switch or EV/HV mode selection switch to change modes as the following table shows.

When in EV mode, the EV drive mode indicator illuminates.

When in AUTO EV/HV mode, the AUTO EV/HV mode indicator illuminates.

When in HV mode, the HV drive mode indicator illuminates.

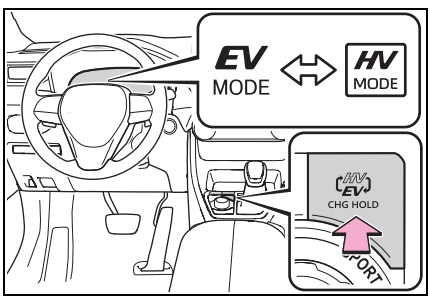
▶ AUTO EV/HV mode switch



Current mode	Mode after switching
EV mode	AUTO EV/HV mode
AUTO EV/HV mode	EV mode
HV mode	AUTO EV/HV mode*

*: If there is not enough charge remaining in the hybrid battery (traction battery) to allow EV driving, AUTO EV/HV mode will not be selectable.

▶ EV/HV mode selection switch



Current mode	Mode after switching
EV mode	HV mode
AUTO EV/HV mode	HV mode
HV mode	EV mode*

*: If there is not enough charge remaining in the hybrid battery (traction battery) to allow EV driving, EV mode will not be selectable.

■ Switching to the hybrid battery (traction battery) charge mode

Press and hold the EV/HV mode selection switch.

Take your hand off the switch once the hybrid battery charge mode indicator starts to blink.

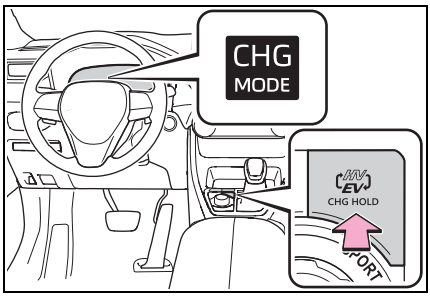
The hybrid battery charge mode indicator illuminates when the switch to hybrid battery (traction battery) charge mode is complete.

When the hybrid battery (traction battery) is fully charged*, the hybrid battery (traction battery) charge mode is automatically canceled and the operation mode will be switched to HV mode.

The hybrid battery (traction battery) charge mode will be canceled by pressing AUTO EV/HV mode switch or EV/HV mode selection switch.

*: The maximum charge amount in the hybrid battery (traction battery) charge mode is approximately 80% of the fully charged capacity for the charging from an

external power source.



■ **If the plug-in hybrid system operation mode cannot be changed**

In the following situations, the plug-in hybrid system operation mode cannot be changed even if the AUTO EV/HV mode switch or EV/HV mode selection switch is pressed. (In this case, the warning message is displayed on the multi-information display when the switch is pressed.)

- When electricity needed for EV driving is not remaining (when in EV mode or AUTO EV/HV mode)
- When the traction battery is almost completely charged (hybrid battery [traction battery] charge mode)

■ **When switching from EV mode to another mode using the switch**

When the power switch is turned off, operation mode switching is canceled and the system returns to EV mode the next time the vehicle is started.*

*: If there is not enough charge remaining in the hybrid battery (traction battery) to allow EV driving, the system switches to HV mode.

■ **Hybrid battery (traction battery) charge mode**

- The following may occur to protect the system, etc.
  - Cannot switch to hybrid battery (traction battery) charge mode or cannot cancel it
  - Gasoline engine does not start or stops even after switching to hybrid battery (traction battery) charge mode
- If a load to the system is large, such as when the power consumption of the air conditioning system is large or when the temperature of the engine coolant is high, it may take longer time than usual to charge using the hybrid battery (traction battery) charge mode, or charging to the hybrid battery (traction battery) may not be performed.

WARNING

■ **When using the hybrid battery (traction battery) charge mode**

Observe the following precautions when using the hybrid battery (traction battery) charge mode while parking.

Failure to do so may lead to death or serious health hazard, as the gasoline engine operates when in the hybrid battery (traction battery) charge mode.

- Do not stop the vehicle near flammable materials.
- Do not use the hybrid battery (traction battery) charge mode in a closed area where ventilation is insufficient, such as in a garage or area with snow buildup.

Control when driving in each mode

■ **When in EV mode**

In EV mode, EV driving (driving

using only the electric motor)* is possible. However, depending on the situation, EV driving may be canceled and both gasoline engine and electric motor are used (→P.82). Also, if a little electricity is remaining in the hybrid battery (traction battery), HV mode is automatically selected. To drive in EV mode long, observe the followings.

- Avoid sudden acceleration and sudden deceleration, and be sure to drive smoothly. If you repeatedly accelerate, the hybrid battery (traction battery) charge will deplete quickly. Also, EV driving may be canceled by rapid acceleration or vehicle speed.
- Restrain your speed as much as possible. The distance that can be driven in EV mode will reduce considerably at high speeds.

*: The EV driving range can be checked using the multi-information display. (→P.172)

■ **When in AUTO EV/HV mode**

Only the electric motor is used for EV driving* during normal driving, but when the accelerator pedal is strongly depressed, the gasoline engine starts. (→P.82)

Also, when the hybrid battery (traction battery) level is low, the mode switches to HV mode automatically the same as in EV mode.

AUTO EV/HV mode is suitable for driving conditions when more power is required, such as for driving uphill or accelerating suddenly. However, because the gasoline engine will start more easily, it is recommended to drive in EV mode usually.

*: The EV driving range can be checked using the multi-information display. (→P.172)

■ **When in HV mode**

The vehicle can be used in the same way as a standard hybrid vehicle.

In HV mode, controls are primarily carried out as follows in accordance with the driving conditions.

- The gasoline engine stops* when the vehicle is stopped.
- During start off, the electric motor (traction motor) drives the vehicle.
- During normal driving, the gasoline engine and electric motor (traction motor) are controlled effectively, and the vehicle is driven with optimum fuel efficiency. Also, when necessary, the electric motor (traction motor) operates as an electrical generator to charge the hybrid battery (traction battery).

- When the accelerator pedal is depressed heavily, drive force from both the gasoline engine and the electric motor (traction motor) is used to accelerate.

*: When the hybrid battery (traction battery) requires charging or the engine is warming up, etc., the gasoline engine will not automatically stop. (→P.83)

■ When braking (regenerative braking)

The electric motor (traction motor) charges the hybrid battery (traction battery).

The EV driving range can be extended by actively using this regenerative braking to store electricity in the hybrid battery (traction battery).

Moreover, as fuel consumption is also reduced when in HV mode, the regenerative braking system can be used effectively.

■ 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.

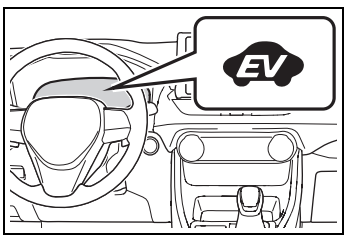
■ EV driving range

- The EV driving range is displayed on the multi-information display. (→P.172)
- The EV driving range changes in accordance with the charge status of the hybrid battery (traction battery), the speed of the vehicle, etc.
- Even if there is enough charge remaining in the hybrid battery (traction battery), EV driving may be canceled and both gasoline engine and electric motor are used depending on the situation. (→P.82)

■ 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.

The on/off operation of the EV indicator can be changed. (→P.177)



■ After EV mode has switched to HV mode due to low hybrid battery (traction battery) charge

If the hybrid battery (traction battery) is regenerated by driving continuously down a long slope, the EV driving range etc. will be displayed on the multi-information display and EV mode will be automatically switched to.

If EV mode is not switched to even though EV driving range is being displayed, EV mode can be switched to by pressing the EV/HV mode selection switch.

■ Gasoline engine operation in EV mode or AUTO EV/HV mode

Even if there is a sufficient amount of electricity remaining in the hybrid battery (traction battery) and EV

driving range (→P.172) is being displayed on the multi-information display, EV driving (driving using only the electric motor) may be canceled and both gasoline engine and electric motor are used depending on the situation (EV driving will be returned to automatically after EV driving becomes possible again).

EV driving may be canceled automatically in the following circumstances[*1]:

- When vehicle speed is more than approximately 84 mph (135 km/h).
- When power is needed temporarily, for example when the accelerator pedal is depressed firmly or when accelerating suddenly.[*2]
- When 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.
- When the temperature of the hybrid system is low.
- When the heater is switched on when the outside temperature is below about 14°F (-10°C).
- When the windshield defogger switch is pressed. (→P.398)
- When the system determines that the gasoline engine needs to be started.

[*1]: The gasoline engine may also operate in circumstances other than those listed above, depending on conditions.

[*2]: When driving in AUTO EV/HV mode. Even in EV mode, the gasoline engine may start, depending on the condition of the hybrid battery (traction battery).

■ If "Engine Started to Protect System EV driving unavailable" is displayed on the multi-information display

EV driving may be canceled in order to protect the hybrid system, etc.

In this case, perform driving with the gasoline engine until EV driving will be returned to automatically.

■ 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 windshield defogger switch is pressed. (→P.398)

[*]: Depending on the circumstances, the gasoline engine may also not stop automatically in situations other than those above.

■ Sounds and vibrations specific to a hybrid 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) 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), behind the rear seats, when the hybrid system is started or stopped.

- Sounds from the hybrid system may be heard when the back door 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 under the rear seat. (→P.91)
- Sounds may be heard from near the hybrid battery (traction battery) in accordance with the operation of the air conditioning system or "Battery Cooler" (→P.116).

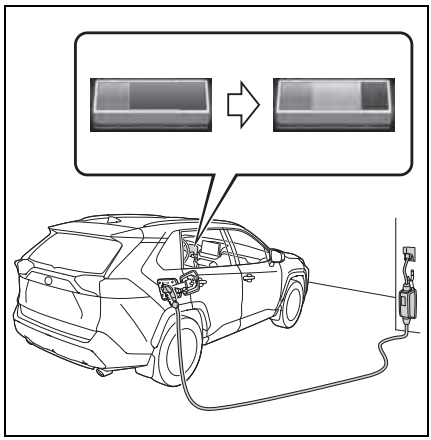
■ Maintenance, repair, recycling, and disposal

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

Charging (→P.99)

In order to make EV mode or AUTO EV/HV mode available, charge the hybrid battery (traction battery) from an external power source before using the vehicle.

Even if charging the hybrid battery (traction battery) has not been completed, the vehicle can be driven. However, if there is not enough charge remaining, it is possible that the vehicle cannot be driven in EV mode or AUTO EV/HV mode or the EV driving range will become shorter.



■ Refilling fuel

Plug-in hybrid vehicles can be driven using electricity charged from an external power source. However, as the gasoline engine is used depending on the situation (→P.82) even if in EV mode or AUTO EV/HV mode, and the gasoline engine is provided on board as a power source for driving in HV mode, it is needed to refueling the vehicle.

Check the fuel amount and refill immediately when the fuel level becomes low. (→P.306)

■ If the vehicle is not used for a long time

- The 12-volt battery may discharge. In this event, charge the 12-volt battery. (→P.539)
  In order to prevent the hybrid battery (traction battery) from becoming extremely low in charge, charge the hybrid battery (traction battery) from external power source or start the hybrid system at least once every 2 or 3 months, and turn the power switch off after the gasoline engine has stopped automatically. (If the gasoline engine does not start up even after approximately 10 seconds have passed since the "READY" indicator came on, the power

switch can be turned to off without any further action.)
When the 12-volt battery is discharged, refer to P.539, “If the 12-volt battery is discharged” and perform the correction procedure.

- When the vehicle is left with the AC charging cable connected, the electricity consumption amount of the 12-volt battery increases due to controls, such as the system checking, operating. When the AC charging cable is not needed, immediately remove it from the vehicle.

Acoustic Vehicle Alerting System

When driving with the gasoline engine stopped, a sound, which changes in accordance with the driving speed, will be played in order to warn people nearby of the vehicle’s approach. The sound will stop when the vehicle speed exceeds approximately 22 mph (35 km/h).

■ Acoustic Vehicle Alerting System

In the following cases, the Acoustic Vehicle Alerting System may be difficult for surrounding people to hear.

- In very noisy areas
- In the wind or the rain

Also, as the Acoustic Vehicle Alerting System is installed on the front of the vehicle, it may be more difficult to hear from the rear of the vehicle compared to the front.

■ When “Acoustic Vehicle Alerting System Malfunction Visit your Dealer” is displayed on the multi-information display

The Acoustic Vehicle Alerting System may be malfunctioning. Have the vehicle inspected by your Toyota dealer immediately.

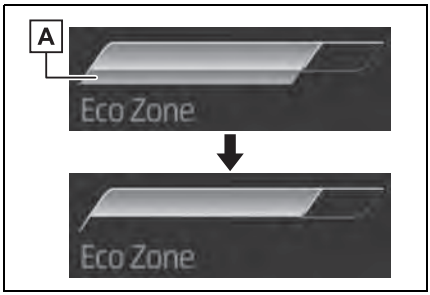
Predictive efficient drive (predictive deceleration support) (vehicles with navigation system)*

*: This function can only be used in the mainland U.S.A. It cannot be used in other states and territories, including Alaska and Hawaii.

This system operates based on the driving situation and traffic information to enhance fuel economy.

For details about Predictive efficient drive, refer to “NAVIGATION AND MULTIMEDIA SYSTEM OWNER’S MANUAL”.

- When the vehicle approaches to predictive deceleration support points registered in the navigation system, the “Reference operation range” (A) of the ECO Accelerator Guidance (→P.173) on the multi-information display will be turned off to encourage the driver to reduce excessive acceleration.

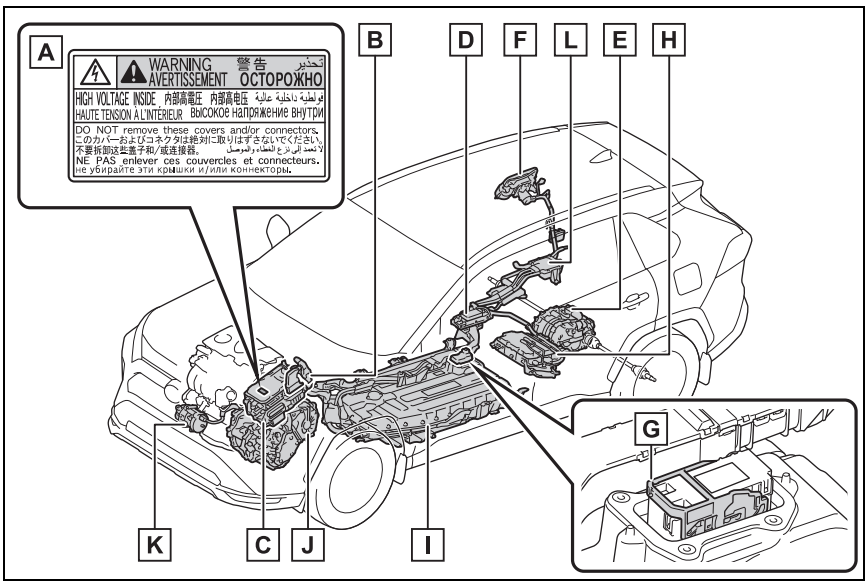


- The engine braking force will be increased according to the driving conditions to more efficiently charge the hybrid battery (traction battery) after the accelerator pedal is released.

Plug-in hybrid system precautions

Take care when handling the hybrid system, as it contains a high voltage system (about 650V at maximum) as well as parts that become extremely hot when the hybrid system is operating. Obey the caution labels attached to the vehicle.

System components



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

A Caution label

B High voltage cables (orange)

C Power control unit

D DC/DC converter

E Rear electric motor (traction motor)

F AC charging inlet

G Service plug

H Onboard traction battery charger

I Hybrid battery (traction battery)

J Front electric motor (traction motor)

K Air conditioning compressor

L Junction box

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.518) 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 about 2.3 gal. [8.8 L, 1.9 Imp.gal.], when the vehicle 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 the hybrid 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.

Effect of magnetic forces

If objects that generate strong magnetic forces, such as large speakers, are placed inside the luggage compartment or installed nearby, the generated magnetic forces may negatively affect the hybrid system.

Hybrid battery (traction battery) (lithium-ion battery)

The hybrid battery (traction battery) has a limited service life.

The hybrid battery (traction battery) capacity (the ability to hold a charge) reduces with time and use in the same way as other rechargeable batteries. The extent at which capacity reduces changes drastically depending on the environment (ambient temperature, etc.) and usage conditions, such as how the vehicle is driven and how the hybrid battery (traction battery) is charged. This is a natural characteristic of lithium-ion batteries, and is not a malfunction. Also, even though the EV driving range becomes shorter when the hybrid battery (traction battery) capacity reduces, vehicle performance does not significantly become worse.

In order to reduce the possibility of the capacity reducing, follow the directions listed on P.121, “Capacity reduction of the hybrid battery (traction battery)”.

Starting the hybrid system in an extremely cold environment

When the hybrid battery (traction battery) is extremely cold (below approximately -22°F [-30°C]) 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.

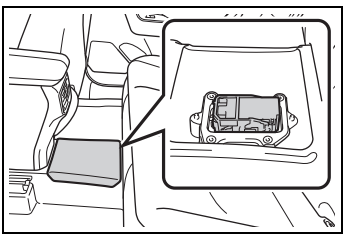
WARNING

High voltage precautions

The 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.

WARNING

- Never touch, disassemble, remove or replace the high voltage parts, cables or their connectors.
- The hybrid system will become hot after starting as the system uses high voltage. Be careful of both the high voltage and the high temperature, and always obey the caution labels attached to the vehicle.
- Never try to open the service plug access hole located in the luggage compartment. 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.
- 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.
- If a fire occurs in the hybrid 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.
- If your vehicle needs to be towed, do so with 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.507)

WARNING

- 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.

■ 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 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.

■ Caution while driving

If the vehicle under floor area receives strong shock or impact while driving, stop the vehicle in a safe area and check around the bottom of the vehicle. If there is damage to the hybrid battery (traction battery) or liquid leakage, it may lead to a vehicle fire, etc. Do not touch the vehicle and immediately contact your Toyota dealer.

■ Modifications

Do not modify the vehicle to make the height lower.

It is easier for the hybrid battery (traction battery) in the under floor area to come in contact with the ground when the vehicle is lowered. If the hybrid battery (traction battery) is damaged, a vehicle fire may occur which could lead to death or serious injury.

NOTICE

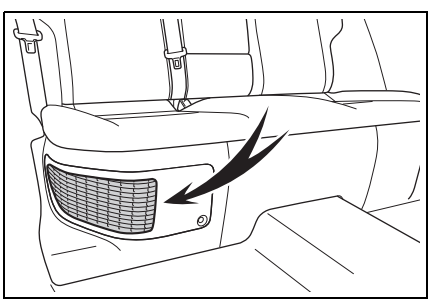
■ Notice about fuel

- For plug-in hybrid vehicles, fuel may remain in the tank for a long time and undergo changes in quality depending on the how the vehicle is used. Refuel at least 5.3 gal. (20 L, 4.4 Imp.gal.) of fuel every 12 months (refuel a total of at least 5.3 gal. [20 L, 4.4 Imp.gal.] over a 12-month period), as this may affect components of the fuel system or the gasoline engine.
- If the vehicle has not been refueled for a certain amount of time and it is possible that the quality of the fuel remaining in the tank has changed, “No New Fuel has been Added Recently Please refuel” is displayed on the multi-information display when the power switch is turned to ON. If the message is displayed, refuel the vehicle immediately.

DC/DC converter air intake vent

There is an air intake vent under the rear seat for cooling the DC/DC converter.

Blocking the air intake vent may prevent the plug-in hybrid system from operating properly.



NOTICE

■ DC/DC converter air intake vent

- Make sure not to block the air intake vent with anything, such as a seat cover, plastic cover, or luggage. Blocking the air intake vent may prevent the plug-in hybrid system from operating properly.
- When dust etc. has accumulated in the air intake vent, clean it with a vacuum cleaner to prevent the vent from clogging.
- Do not wet or allow foreign substances to enter the air vent as this may cause a short circuit and damage the DC/DC converter.
- Do not carry large amounts of water such as water cooler bottles in the vehicle. If water spills onto the DC/DC converter, the converter may be damaged. Have the vehicle inspected by your Toyota dealer.
- A filter is installed to the air intake vent. When the filter remains noticeably dirty even after cleaning the air intake vent, filter cleaning or replacement is recommended. When cleaning the filter, refer to P.486.
- If “Maintenance required for DCDC converter cooling parts See Owner’s Manual” is shown on the multi-information display, the air intake vent and filter may be clogged. Refer to P.486 for information on how to clean the air intake vent.

Emergency shut off system

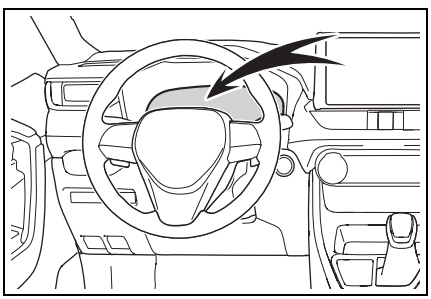
When a certain level of impact is

detected by the impact sensor, the emergency shut off system blocks off 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 instructions.



■ 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 that case, try to start the system again. If the "READY" indicator does not come on, contact your Toyota dealer.

Plug-in hybrid vehicle driving tips

For economical and ecological driving, pay attention to the following points:

Using EV mode, AUTO EV/HV mode and HV mode effectively

Primarily using EV mode and AUTO EV/HV mode when driving in cities and using HV mode when driving on highways (or freeways) can help conserve fuel and electricity. (→P.78)

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 fuel and electricity economy. (→P.377)

Use of Hybrid System Indicator

Eco-friendly driving is possible by keeping the Hybrid System Indicator within Eco area. (→P.167)

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 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 high fuel and electricity consumption. 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 electricity and fuel 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.
- Electricity consumption will increase significantly when driving at high speeds in EV mode or AUTO EV/HV mode. If there will be a long distance to the next external charging point after leaving a freeway, it is recommended to drive in

HV mode while on the freeway and change to EV mode or AUTO EV/HV mode after leaving the freeway. (→P.78)

Air conditioning

- Turn the “A/C” switch off when it is not needed. Doing so can help reduce excessive electricity and fuel 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 electricity and fuel consumption as well.

In winter: Avoid excessive and unnecessary use of the heater. Usage of the heated steering wheel (if equipped) (→P.407) and seat heaters (→P.408) are effective.

- Using the Remote Air Conditioning System (→P.405) while the AC charging cable is connected to the vehicle can reduce electricity consumption immediately after starting off by operating air conditioning mainly using electricity from an external power source.
- When setting the charging schedule, setting the charging mode to “Departure” and “Climate Prep” to on can reduce electricity consumption immediately after starting off by operating air conditioning before charging is completed. (→P.130)

Checking tire inflation pressure

Make sure to check the tire inflation pressure frequently. If there is improper tire inflation pressure in the tires, the EV driving range will become shorter, and fuel consumption when in HV mode will increase.

Also, as snow tires can cause large amounts of friction, their use on dry roads can lead to increased fuel and electricity consumption.

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, warming up is not necessary.

EV driving range

The EV driving range displayed on the multi-information display shows the reference distance that EV driving (driving using only the electric motor) is possible, and the actual distance that can be driven may differ from that displayed.

Even if the EV driving range is displayed, EV driving may be canceled and both gasoline engine and electric motor are used depending on the situation. (→P.82)

Displayed value

The value displayed on the SOC (State of Charge) gauge (→P.165) is estimated from the following information.

- The amount of hybrid battery (traction battery) charge currently remaining
- The electricity consumption (the estimated distance that EV driving is possible per unit of electrical energy) based on the recorded value
- Past air conditioning system electricity consumption amount

The electricity consumption varies depending on how the vehicle is driven. The vehicle automatically records the electricity consumption when being charged and uses the electricity consumption for estimating the EV driving range. Therefore, the EV driving range displayed when the hybrid battery (traction battery) is fully charged may differ from the previous EV driving range depending on how the vehicle was driven.

The EV driving range may change significantly with each charging until the electricity consumption based on the recorded value is stable (for approximately the first month or two). However, this does not indicate a malfunction.

When the air conditioning system is turned on, the EV driving range (with using the air conditioning system) is estimated based on the past air conditioning electricity consumption amount considering that the electricity consumption may become higher.

Tips for extending the EV driving range

The distance that EV driving is possible varies significantly depending on how the vehicle is driven, road conditions, the weather, the outside temperature, usage conditions of electrical components and the number

of occupants.

The distance that EV driving is possible can be extended if the following is performed:

■ **When starting off, depress the accelerator pedal smoothly to accelerate**

As a guide, accelerate up to approximately 12mph (20 km/h) in the first 5 seconds.

Electrical and fuel efficiency can be improved just by using the ECO Accelerator Guidance displayed on the multi-information display and taking care to start off gently. (→P.173)

When the driving mode is set to Eco drive mode, depressing the accelerator pedal generates smooth torque that makes it easier to operate the accelerator gently.

At the same time, the air conditioning control is switched to eco air conditioning mode (→P.397) to reduce the strength of the air conditioning operation.

■ **Maintain sufficient vehicle-to-vehicle distance and do not accelerate or decelerate unnecessarily**

Try to maintain a fixed speed while driving. Driving at a short vehicle-to-vehicle distance will result in repeating wasteful acceleration and deceleration, which will worsen the electrical and fuel efficiency.

■ **Release the accelerator pedal early before stopping the vehicle, such as at a traffic light**

The regenerative brake will operate to convert the kinetic energy of the vehicle into electrical energy, which will charge the hybrid battery (traction battery).

The regeneration status can be checked from the Hybrid System Indicator. (→P.167)

When the brake pedal is depressed lightly during deceleration, the regeneration amount increases, enabling more electrical energy to be recovered.

If the brake pedal is depressed too strongly, the recovered amount indicator will reach the maximum level and the upper limit of the recoverable energy will be exceeded. Therefore, be sure to operate the brake pedal early.

■ **Use the air conditioning system appropriately, and also utilize the heated steering wheel (if equipped) and seat heaters**

In EV mode, the vehicle is cooled and heated by electrical energy. (Except in extremely cold temperatures of approximately 14°F (-10°C) or less.)

Preventing excessive cooling or heating of the vehicle will reduce power consumption and improve electrical efficiency.

When eco air conditioning mode is used, the air conditioning control is switched automatically to a lower setting. (→P.397)

The heated steering wheel (if equipped) and seat heaters are efficient heating device that directly warm the body using less electric power.

When used together with the air conditioning system, a low temperature setting can be used to improve electrical and fuel efficiency.

■ **Check the tire pressure**

If the tire pressure is lower than the specified value, it will worsen the electrical and fuel efficiency.

A pressure level 7 psi (50 kPa, 0.5 kgf/cm^2 or bar) lower than the specified value will cause a worsening of several percentage points.

■ **When driving on highways, use the EV/HV mode selection switch to drive in HV mode**

The power consumption will increase significantly if the vehicle is driven in EV mode on highways.

■ **Do not load unnecessary objects in the vehicle**

Driving with objects weighing 220 lb. (100 kg) in the vehicle will worsen the electrical and fuel efficiency by approximately 3%.

Air resistance also greatly affects electrical and fuel efficiency. Remove any exterior accessories such as a roof luggage carrier when they are not being used.

The running resistance of snow tires is high and they will worsen electrical and fuel efficiency. Replace them with standard tires as soon as they are no longer needed.

■ **Know your vehicle's electrical and fuel efficiency**

If you know your vehicle's daily electrical and fuel efficiency, you will understand the benefits of Eco drive.

Use the Power Consumption/Fuel Economy, ECO Accelerator Guidance/"Eco Score" and other data displayed on the multi-information display.

Display when charging is completed

The following indicate that charging has been carried out properly.

- The charging indicator of the charging port turns off
- "Charging Complete" is displayed on the multi-information display when a door is opened with the power switch off (→P.119)

Regardless of the type of power

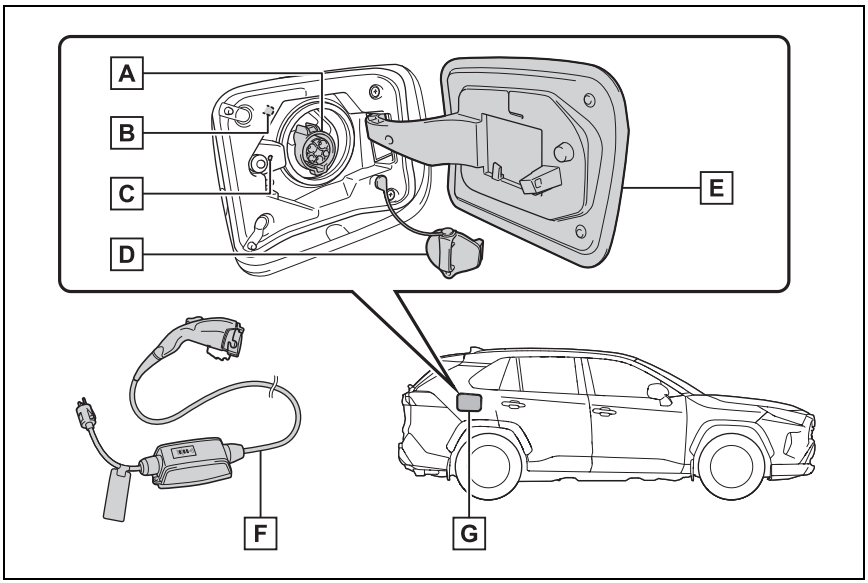
source or whether the charging schedule function is used, charging is completed if the above can be confirmed.

Charging-related messages: →P.152

Charging equipment

This vehicle features equipment for connecting to an external power source.

Charging equipment and names



A AC charging inlet

B AC charging inlet light

C Charging indicator (→P.100)

D AC charging inlet cap

E Charging port lid (→P.100)

F AC charging cable (→P.102)

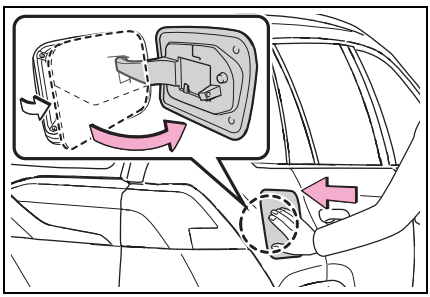
G Charging port

Opening and closing the charging port lid

■ Opening the charging port lid

Press the central rear edge of the charging port lid (the location shown in the illustration) with the doors unlocked.

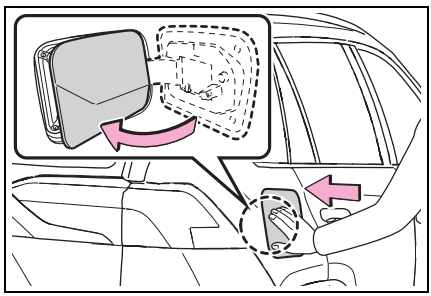
Push and take your hand away to slightly open the charging port lid. Then open the lid fully by hand.



■ Closing the charging port lid

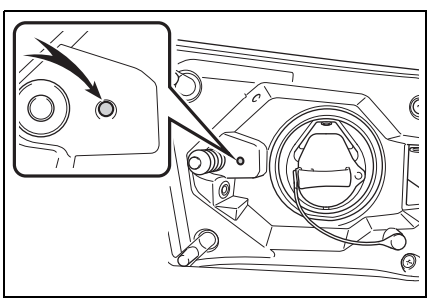
Close the charging port lid and press the central rear edge of the charging port lid (the location shown in the illustration).

When the doors are locked, the charging port lid is also locked. (→P.107)



Charging indicator

The illumination/flashing pattern changes to inform the user of the charging status in the following ways.



Illumination/flashing pattern	Vehicle condition
Illuminated	• Charging is in progress • Charging is possible • “Battery Heater” (→P.115) is operating • “Battery Cooler” (→P.116) is operating
Flashing (normally)*	When charging schedule is registered (→P.130) and AC charging cable is connected to vehicle
Rapidly flashing*	When charging cannot be carried out due to malfunction in a power source or the vehicle etc. (→P.149)
Not illuminated	• Charging connector is not inserted into AC charging inlet • When the charging schedule (→P.130) is on standby • When charging is completed

*: Flashes for a certain period of time, and then turns off.

■ Charging indicator of the charging port

When a system malfunction occurs while charging or using the Remote Air Conditioning System, the charging indicator rapidly flashes for a certain period of time, and then turns off.

If this occurs, when a door is opened with the power switch off, a message is displayed on the multi-information display. When a message is displayed, follow the instructions displayed on the screen.

AC charging cable

The function, correct operating procedure, etc. of the AC charging cable are explained.

WARNING

■When using the AC charging cable and CCID (Charging Circuit Interrupting Device)

Observe the following precautions.

Failure to do so may cause an unexpected accident, resulting in death or serious injury.

- Do not attempt to disassemble or repair the AC charging cable, charging connector, plug or CCID (Charging Circuit Interrupting Device).
  If a problem arises with the AC charging cable or the CCID (Charging Circuit Interrupting Device), stop charging immediately and contact your Toyota dealer.
- Do not subject the AC charging cable, charging connector, plug or CCID (Charging Circuit Interrupting Device) to strong force or impact.
- Do not apply excessive force to the AC charging cable by forcefully folding, twisting, pulling or dragging the AC charging cable.
- Do not damage the AC charging cable with sharp objects.
- Do not fold the charging connector or plug or insert foreign objects into them.
- Do not put the charging connector and plug into water.
- Do not bring the AC charging cable to a high-temperature item such as a heating device.
- Do not apply a load to the AC charging cable and plug-cord (such as wrapping the AC charging cable around the CCID (Charging Circuit Interrupting Device) and the charging connector).
- Do not use or leave the AC charging cable in situations where a load is applied to the outlet and the plug (such as when the CCID (Charging Circuit Interrupting Device) is hanging in the air without contacting the ground).

NOTICE

■Precautions when handling AC charging cable

Make sure to observe the following precautions. Failure to observe these precautions may result in damage to the AC charging cable and AC charging inlet.

- Insert the charging connector straight into the AC charging inlet.
- After inserting the charging connector, do not apply excessive force to or twist the connector. Also, do not lean on the connector or hang any objects from it.
- Do not step on or trip over the AC charging cable.
- Before removing the charging connector, make sure that it is unlocked. (→P.107)
- After removing the AC charging cable, promptly return it to its proper location.

NOTICE

- After removing the charging connector, securely install the AC charging inlet cap.

■ When using the AC charging cable and related parts

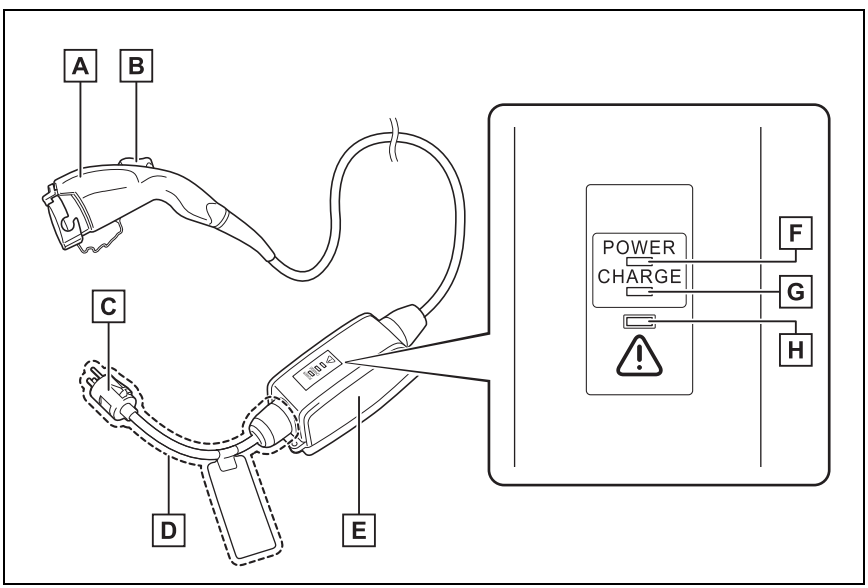
→P.123

■ Precautions for low temperatures

In low temperatures, the AC charging cable and plug-cord may become hard.

Therefore, make sure to not apply excessive force when they are hard. If excessive force is applied to the hardened AC charging cable and plug-cord, they may be damaged.

The names of each part of the AC charging cable



A Charging connector

B Latch release button

C Plug

D Plug-cord

E CCID (Charging Circuit Interrupting Device)

F Power indicator (→P.104)

G Charging indicator (→P.104)

H Error warning indicator (→P.104)

Safety functions

The CCID (Charging Circuit Interrupting Device) has the following safety features.

■ Electrical leakage detection function

If an electrical leakage is detected during charging, the power source will be automatically interrupted, thus preventing fires or electrical shocks caused by electrical leakage.

If the power source is interrupted, the error warning indicator flashes.

If the power source is interrupted: →P.105

■ Automatic check function

This is an automatic system check that is run before charging begins to check for problems in the operation of the electrical leakage detection function.

If a malfunction is found in the electrical leakage detection function as a result of the check, the error warning indicator flashes to inform the user. (→P.105)

■ Temperature detection function

A temperature detection function is equipped to the plug. While charging, if heat is generated due to looseness on the outlet side etc., this function suppresses heat by controlling the charging current.

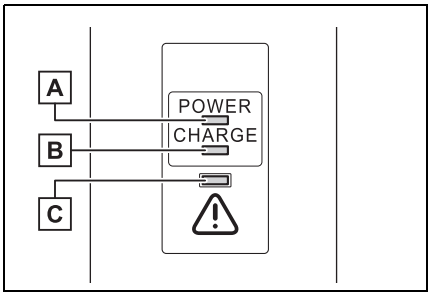
■ Conditions for supplying current to the vehicle

The CCID (Charging Circuit Interrupting Device) is designed to prevent electrical current from being supplied to the charging connector when it is not connected to the vehicle, even if the plug is inserted into the outlet.

CCID (Charging Circuit Interrupting Device) indicators

■ Indicator operation

3 indicators are used to indicate the following conditions.



A Power indicator

Illuminates when electricity is flowing to the CCID (Charging Circuit Interrupting Device).

B Charging indicator

Illuminates when charging is in progress.

C Error warning indicator

Flashes when there is an electrical leakage or when a malfunction occurs in the CCID (Charging Circuit Interrupting Device).

■ When a malfunction occurs during charging

The indicators on the CCID (Charging Circuit Interrupting Device) use a combination of different statuses (not illuminated, illuminated or flashing) to inform the user of internal malfunctions.

When the error warning indicator is illuminated or flashing, temporarily remove the plug from the outlet and then reconnect it to check if the error indicator turns off.

If the error warning indicator turns off, charging is now possible.

If it does not turn off, perform the correction procedure in the following chart.

Status	Power indicator	Error warning indicator	Cause/Correction procedure
Charging system error	Not illuminated	Not illuminated or illuminated	An electrical leakage is detected and charging is canceled, or there is a malfunction in the AC charging cable. → **Consult your Toyota dealer**
	Illuminated	Flashes	
Plug temperature detection malfunction	Flashes	Flashes	There is a malfunction in the plug temperature detection part.[*1] → **Consult your Toyota dealer**

Status	Power indicator	Error warning indicator	Cause/Correction procedure
Plug temperature increase detection	Flashes	Not illuminated	An increase in the temperature of the plug is detected due to an improper connection between the outlet and plug.*2 → **Check that the plug is securely connected to the outlet**
AC charging cable life span notice	Illuminated	Flashes	The number of charges using the AC charging cable is nearing the end of its usable life span. → **Consult your Toyota dealer**
AC charging cable life span	Illuminated	Illuminated	The number of charges using the AC charging cable has exceeded its usable number of charges. → **Consult your Toyota dealer**

*1: When this occurs, charging is carried out without a limited charging current.

*2: When this occurs, charging is carried out with a limited charging current.

Inspecting and maintaining the AC charging cable

For safety, inspect the AC charging cable on a routine basis.

WARNING

■ Routine inspection

Check the following points regularly.

Failure to do so may cause an unexpected accident, resulting in death or serious injury.

- The AC charging cable, plug, charging connector, CCID (Charging Circuit Interrupting Device) etc. have not been damaged.
- The outlet has not been damaged.

WARNING

- The plug can be securely inserted into the outlet.
- The plug does not get extremely hot during use.
- The tip of the plug has not been deformed.
- The plug is not dirtied by dust etc.

Remove the plug from the outlet before inspecting it. If any abnormalities are found in the AC charging cable as a result of the inspection, immediately stop use and consult your Toyota dealer.

■ Maintaining the AC charging cable

When the AC charging cable is dirty, first remove the dirt with a hard, wringed cloth, and then wipe the cable with a dry cloth.

However, never wash it with water. If the AC charging cable is washed with water, fire or electric shock may occur during charging, possibly resulting in death or serious injury.

■ When not using the AC charging cable for a long time

Remove the plug from the outlet. Dust could accumulate on the plug or in the outlet, possibly causing overheating which could lead to a fire.

Also, keep the cable in a place free from moisture.

Locking and unlocking the charging port lid and charging connector

The charging port lid and charging connector can be locked/unlocked by the following procedures.

- Using the smart key system*: →P.198
- Using the wireless remote control*: →P.196

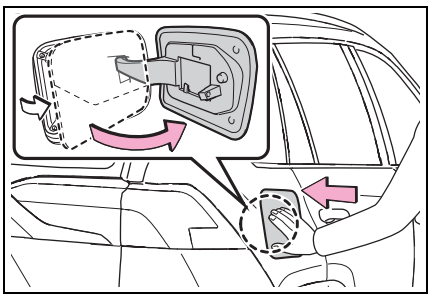
*: If the smart key system or the wireless remote control does not operate properly, use the mechanical key. (→P.537)

Locking and unlocking the charging port lid

■ Unlocking the charging port lid

1. Unlock the doors using the smart key system or wireless remote control.
2. Press the central rear edge of the charging port lid (the

location shown in the illustration) and open it.



■ Locking the charging port lid

The charging port lid will be locked when the lid is closed and the doors are locked using the smart key system or wireless remote control.

■ Security feature

If a door or charging port lid is not opened within approximately 60 seconds after the vehicle is unlocked, the security feature automatically locks the lid again when the doors are automatically locked. (→P.199)

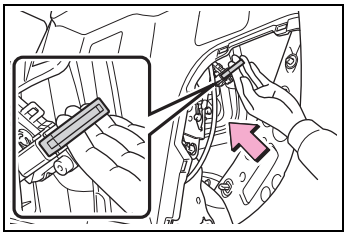
■ Locking the charging port lid

If the charging port lid is closed after the doors are locked, the lid will not be locked. In this case, close the lid and then lock the doors again.

■ If the charging port lid does not open

If the charging port lid does not open when using the normal procedure, it can be opened in an emergency by performing the following steps.

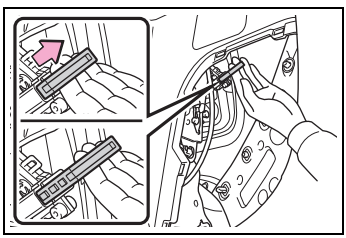
1. Open the back door. (→P.205, 207)
2. Pull the luggage side cover and remove it. (→P.467)
3. Hook a finger to the emergency release lever as shown in the illustration.



4. Move the emergency release lever in the direction shown in the illustration.*

The charging port lid is unlocked and can be opened.

*: Make sure to move in the direction shown in the illustration. Applying force in other directions may damage the emergency release lever.



5. Press the central rear edge of the charging port lid to open it. (→P.100)

This unlocking method is a temporary correction procedure for emergency use only. If the problem persists, have the vehicle inspected by your Toyota dealer immediately.

Locking and unlocking the charging connector

■ Locking the charging connector

The charging connector will be automatically locked when inserting it into the AC charging

inlet. (The setting can be changed: →P.109)

■ Unlocking the charging connector

The charging connector will be unlocked when the doors are unlocked using the smart key system or wireless remote control.

■ Changing the charging connector lock settings

The method for locking and unlocking the charging connector can be changed as follows on the ⚙ screen on the multi-information display.

Refer to P.177 for details on how to change the settings.

Setting	Operation description
"Auto Lock" (Default setting)	The charging connector is automatically locked when the charging connector is connected.
"Auto Lock & Unlock"	The charging connector is automatically locked when the charging connector is connected and automatically unlocked when charging is completed.*1, 2
"OFF"	Not using the charging connector locking system

*1: The charging connector will be unlocked if power supply is interrupted due to a power outage etc. after the charging connector is automatically locked.

*2: The charging connector can be unlocked by similar operations to that of "Auto Lock" (Default setting).

■ Charging connector lock function

The charging connector lock function does not guarantee that theft of the AC charging cable will be prevented, and is not necessarily effective for all mischiefs.

■ Unlocking the charging connector using the smart key system

If the charging connector is locked while the doors are unlocked, lock and then unlock the doors to unlock the charging connector.

■ Security function for unlocking

If the charging connector is not removed within approximately 30 seconds after the vehicle is unlocked, the security function automatically locks the connector again.

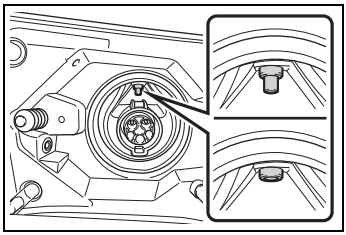
■ Changing the charging connector lock settings

The charging connector lock settings cannot be changed when the AC charging cable is connected to the vehicle.

■ When the charging connector cannot be inserted into the AC charging inlet

Check that the connector lock pin is not lowered.

If the connector lock pin is lowered, the connector lock is operating. Unlock the doors using the smart key system or wireless remote control and unlock the charging connector lock and check that the connector lock pin is not lowered.

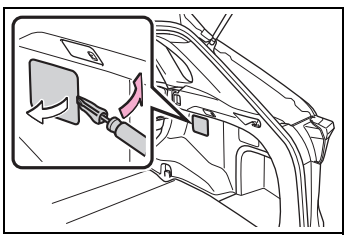


■If the charging connector cannot be unlocked

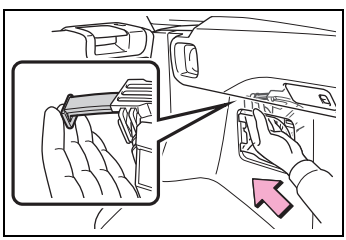
The charging connector can be unlocked by operating the emergency release lever.

1 Open the back door. (→P.205, 207)

2 Remove the cover as shown in the illustration.



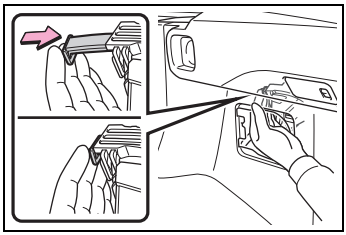
3 Insert a hand from the lower side of the vehicle obliquely upward, and hook a finger to the emergency release lever.



4 Move the emergency release lever in the direction shown in the illustration.*

The charging connector is unlocked and can be removed.

*: Make sure to move in the direction shown in the illustration. Applying force in other directions may damage the emergency release lever.



5 Reinstall the cover to the its original position.

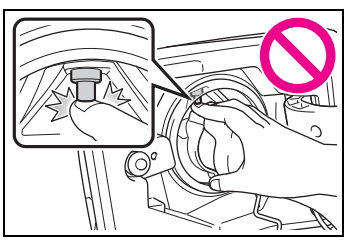
This method is a temporary correction procedure for emergency use only. If the problem persists, have the vehicle inspected by your Toyota dealer immediately.

Do not operate the emergency release lever when the charging connector can be unlocked in the normal procedure.

⚠ WARNING

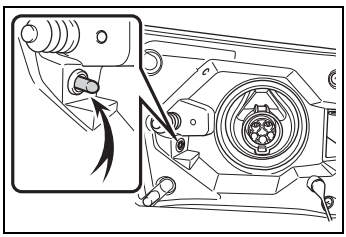
■When connecting the charging connector to the AC charging inlet

- Do not insert hand into the connector lock portion.
  A hand may be caught in the connector lock pin, resulting in an injury.



WARNING

- Be careful not to touch the charging port lid lock portion. When the connector lock operates, the charging port lid lock will also operate. The charging port lid lock pin may hit a hand, resulting in an injury.



NOTICE

When locking the charging connector

Observe the following precautions. Failure to do so may cause a malfunction in the charging connector locking system.

- Check that the charging connector is compatible with this vehicle.
  A charging connector of the different type or a charging connector with damaged or deformed insertion part may not be locked.
- Do not apply excessive force to the charging connector when the charging connector is locked.
  When removing the charging connector, make sure to unlock the charging connector.

Power sources that can be used

An external power source that fulfills the following criteria is necessary for charging this vehicle. Confirm this before charging.

WARNING

Warnings for electrical faults

Make sure to observe the precautions in this Owner's Manual when charging the vehicle.

Failure to use a power source that fulfills the requirements, or failure to observe regulations while charging could lead to an accident, possibly resulting in death or serious injury.

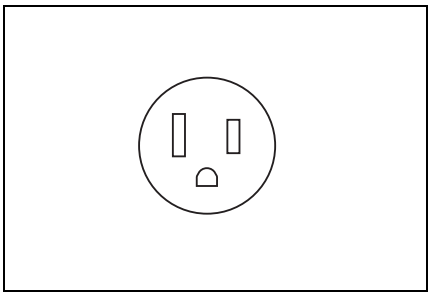
Power sources

- Connect to an AC 120 V outlet (NEMA 5-15R) with a Ground-Fault Circuit-Interrupter (GFCI) and a circuit breaker. Use of a 15A individual circuit is strongly recommended to ensure AC charging cable will operate properly.
- When charging outdoors, make sure to connect to a weatherproof outlet that is certified for outdoor use. Checking Ground-Fault Circuit-Interrupter (GFCI) operation before its use is recommended.

Outlets that can be connected

NEMA 5-15R outlet

The illustration is an example shown for demonstration purposes, and may differ from the actual configuration.



■ The charging environment

For safe charging, the following charging equipment and settings are recommended.

● Weatherproof outlet

When charging outdoors, connect the plug to a weatherproof outlet, and ensure that the plug remains waterproof while the plug is connected.

● Dedicated circuit

- To reduce the risk of fire, connect only to an at least 15A branch circuit with an over-current protection in accordance with the National Electric Code, ANSI/NFPA 70.
- To reduce the risk of electric shock when working with the plug, connect to a outlet with a Ground-Fault Circuit-Interrupter (GFCI) or that has an Earth Leakage Circuit Breaker installed.

■ When your circuit breaker trips during charging

The upper limit of the charging current can be changed in “Vehicle Settings” on the multi-information display.

1. Press ❮ or ❯ of the meter control switches to select ⚙.
2. Press ^ or v of the meter control switches to select “Vehicle Settings”, and then press and hold OK.
3. Press ^ or v of the meter control switches to select “Charging Settings”, and then press OK.
   The “Charging Settings” screen will be displayed.
4. Press ^ or v of the meter control switches to select “Charging Current”, and then press OK.
   The “Charging Current” screen will be displayed.
5. Press ^ or v of the meter control switches to select “16A”*1 or “8A”, and then press OK.
   The maximum charging current during charging will be restricted to 16A*1 or 8A.*2

If the breaker still trips while charging, even after changing the upper limit of the charging current, check if the connected power source meets the specified charging conditions. (→P.111)

*1: Vehicles with 6.6 kW onboard traction battery charger only

*2: Restricting the charging current will lengthen the charging time.

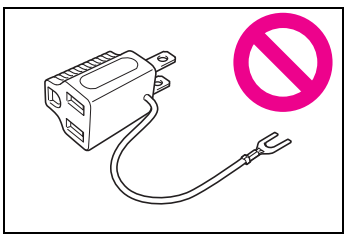
WARNING

■ Power sources precautions

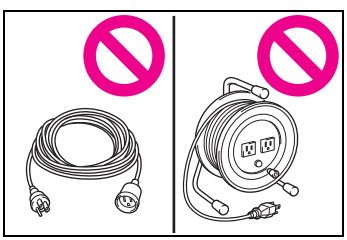
Observe the following precautions.

If you do not follow them, fire, electrical shock or damage may occur, possibly resulting in death or serious injury.

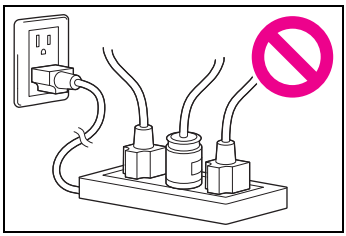
- Connect to an AC 120 V outlet (NEMA 5-15R) with a Ground-Fault Circuit-Interrupter (GFCI) and supplied by a circuit breaker per your local code. Use of a 15A individual circuit is strongly recommended.
- Do not connect the AC charging cable to a multi-outlet adaptor, multi-plugs, or conversion plug.



- Connecting the AC charging cable to an extension cord is strictly prohibited. The extension cord may overheat and does not contain a Ground-Fault Circuit-Interrupter (GFCI). The leakage detection function of the CCID (Charging Circuit Interrupting Device) (→P.104) may not operate correctly.



- Do not connect to a power strip.



- Use of a block heater for charging is prohibited.
- Make sure to connect the charging connector and AC charging inlet directly. Do not connect a converting adaptor or extension cord between the charging connector and AC charging inlet.

Charging methods

The following methods can be used to charge the hybrid battery (traction battery).

Types of charging methods

■ **Charging from an external power source (→P.123)**

This is a charging method used when charging from an AC outlet (120 V) with the AC charging cable equipped to the vehicle or charging at a public charging station.

The charging start time (or departure time) and day can be set to carry out charging using the charging schedule at the desired date and time. (→P.130)

■ **Using the hybrid battery (traction battery) charge mode (→P.79)**

The plug-in hybrid system can be switched to hybrid battery (traction battery) charge mode to charge the hybrid battery (traction battery) using electricity generated by gasoline engine operation.

The maximum charge amount in the hybrid battery (traction battery) charge mode is approximately 80% of the fully charged capacity for the charging from an external power source.

Estimated charging time

The time required to charge the hybrid battery (traction battery) differs according to the charging voltage and charging current.

- Home power source

Charging voltage: AC 120 V

Charging current[*1]: 12A

Estimated charging time[*2, 3]: Approximately 12 hours

- Charging station (3.3 kW onboard traction battery charger)

Charging voltage: AC 240 V

Charging current[*1]: 16A

Estimated charging time[*2, 3]: Approximately 4 hours 30 minutes

- Charging station (6.6 kW onboard traction battery charger[*4])

Charging voltage: AC 240 V

Charging current[*1]: 32A

Estimated charging time[*2, 3]: Approximately 2 hours 30 minutes

[*1]: This is the maximum value. Furthermore, the upper limit of the charging current can be changed in “Vehicle Settings”. (→P.112)

[*2]: The time required to complete charging depends on conditions such as the remaining charge of the hybrid battery (traction battery), the outside temperature and specifications of a charger (charging station).

[*3]: When using “My Room Mode”

(→P.144), the time required for charging to complete may be longer or the charging may not be completed.

*4: If equipped

■ **Charging time may increase**

In the following situations, charging time may become longer than normal:

- In very hot or very cold temperatures.
- When the hybrid battery (traction battery) becomes hot, such as immediately after high-load driving.
- The vehicle is consuming a lot of electricity, for example, when the headlights are on etc.
- When using "My Room Mode". (→P.144)
- There is a power outage during charging.
- There is an interruption in the electrical supply.
- There is a drop in the voltage of external power source.
- The charge in the 12-volt battery is low, for example due to the vehicle being left unused for a long period of time.
- The maximum charging current is set to 8A or 16A* through "Vehicle Settings". (→P.112)
- When the "Battery Heater" operates. (→P.115)
- When the "Battery Cooler" is operated before charging. (→P.116)
- When the plug generates heat due to a loose outlet connection etc.

*: Vehicles with 6.6 kW onboard traction battery charger only

■ **Using a DC Charger**

DC Chargers cannot be used with this vehicle.

■ **Charging electricity**

This vehicle can be charged up to approximately 3.3 kW or 6.6 kW*.

However, depending on the used charger or AC charging cable, charging electricity may be limited.

*: Vehicles with 6.6 kW onboard traction battery charger only

Charging-linked functions

This vehicle is equipped with several functions that are linked with charging.

■ **"My Room Mode" (→P.144)**

When the AC charging cable is connected to the vehicle, electrical components such as the air conditioning system or audio system can be used using the external power source*.

*: The power of the hybrid battery (traction battery) may be used depending on the situation.

■ **"Battery Heater"**

When the outside temperature is low and the AC charging cable is connected to the vehicle, this function automatically warms the hybrid battery (traction battery) until it reaches or exceeds a certain temperature.

"Battery Heater" will operate when the "Battery Heater" of the "Charging Settings" on the multi-information display is on. (→P.178)

■ **Hybrid battery (traction battery) warming control (Alaska and Canada only)**

This control operates after the AC charging cable remains connected to the vehicle for 3 days and “Battery Heater” automatically stops. It automatically insulates the hybrid battery (traction battery) in extremely low temperatures.

- This control stops 31 days after the AC charging cable is connected, even if it is still connected to the vehicle.
- When this control operates, charging schedule settings are ignored and charging starts.

■ **“Battery Cooler”**

When the hybrid battery (traction battery) is hot and the AC charging cable is connected to the vehicle, this function cools the hybrid battery (traction battery) before charging is carried out.

- “Battery Cooler” will operate when the “Battery Cooler” of the “Charging Settings” on the multi-information display is on. (→P.178)
- When the charging voltage is 120 V, the function does not operate.

■ **Traction battery heating and cooling system (“Battery Heater” and “Battery Cooler”)**

- The system operates when the hybrid battery (traction battery) is below or above a certain temperature.
- The system may operate when charging is not being performed.
- When the charging schedule is used (→P.130), this function will operate according to the charging schedule.

■ **“Battery Heater”**

- When “Battery Heater” is operating, the charging indicator illuminates.
- When the AC charging cable is removed from the vehicle or remains connected to the vehicle for approximately 3 days, the system automatically stops.
- When “Battery Heater” is operating during charging, the charging time may be longer than normal.
- If the outside temperature becomes high while “Battery Heater” is operating, charging may complete earlier than the “Departure” time set. (→P.130)
- When the following operations are performed while “Battery Heater” is operating, the hybrid battery (traction battery) heating operation stops.
  - The shift lever is changed to any position other than P
  - The Remote Air Conditioning System is operated (→P.405)
- “Battery Heater” may operate even when the hybrid battery (traction battery) is fully charged depending on the temperature of the hybrid battery (traction battery).
  - The remaining charge of the hybrid battery (traction battery) decreases when “Battery Heater” operates. The charging operation

may start again to charge the hybrid battery (traction battery).
- "Charging Stopped Due to Pulled Charging Connector" may be shown when the charging connector is removed while recharging. (→P.152)

■ **"Battery Cooler"**

- The charging indicator is illuminated while "Battery Cooler" is on standby or operating.
- "Battery Cooler" is implemented for a maximum of approximately 30 minutes. However, when the "Departure" time is set (→P.130) and there is not sufficient time between the current time and the time that charging will complete, "Battery Cooler" operation time may become shorter.
- When there is a small amount of remaining charge in the hybrid battery (traction battery), even if the hybrid battery (traction battery) is hot, "Battery Cooler" may not be implemented.
- When the traction battery is almost completely charged, "Battery Cooler" may not be implemented.
- When the following operations are performed while "Battery Cooler" is operating, the hybrid battery (traction battery) cooling operation stops.
  - The hood is opened
  - The power switch is turned to any mode other than off
  - The Remote Air Conditioning System is operated (→P.405)
  - "Charge Now" is implemented (→P.131)
- "Battery Cooler" uses the power of the hybrid battery (traction battery) and external power source.
  - While "Battery Cooler" is operating, the amount of the remaining charge of the hybrid battery (traction battery) increases and decreases in a certain range, and does not increase as in normal charging.
  - The operation of "Battery Cooler" is recognized as charging by a charger. The charger that calculates the fee according to charging time causes a charging fee.

Charging tips

This section explains methods for using the charging function for this vehicle and checking information related to charging.

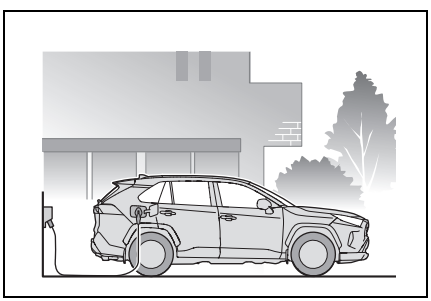
Systematically charging

To enable the use of EV mode or AUTO EV/HV mode, we recommend systematically charging the vehicle.

■ Before leaving home

In order to use EV mode or AUTO EV/HV mode, charge the hybrid battery (traction battery) at home before leaving.

The charging schedule function (→P.130) can be used to set the system to automatically fully charge the hybrid battery (traction battery) before your desired departure time. It is also possible to set the air conditioning to make the interior in a comfortable state before your desired departure time.

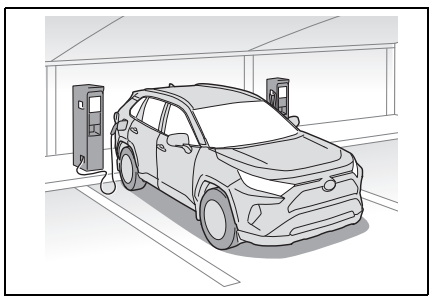


■ At your destination

Use a public charging station to charge the hybrid battery (traction battery).

If there are no charging facilities at your destination, the hybrid battery (traction battery) can be charged using the hybrid battery (traction battery) charge mode. (→P.79)*

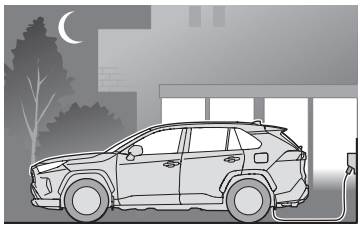
*: When using the hybrid battery (traction battery) charge mode while parked, make sure that no flammable objects are near the vehicle and the vehicle is parked in a well-ventilated area. (→P.80)



■ After returning home

In order to drive the next time, charge the hybrid battery (traction battery).

Settings the charging schedule allows you to charge the hybrid battery (traction battery) at the desired time such as late at night or early in the morning. Furthermore, the charging schedule can be set to automatically charge the hybrid battery (traction battery) every day or at the same time on certain days. (→P.130)

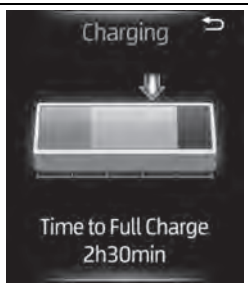


Checking information related to charging

Information related to charging is displayed and can be checked on the multi-information display.

■ While charging

When any door is opened during charging, the current charging condition and approximate time remaining until charging is complete are displayed for a certain period of time.



■ After charging is complete

When any door is opened with the power switch off after charging is complete, a message detailing the results of the charging is displayed for a while. Also, a message is displayed if an operation that stops charging is performed or a situation where charging cannot be performed occurs.

When a message is displayed, follow the instructions displayed on the screen. (→P.152)

■ Multi-information display during charging

If approximately 100 seconds elapse after the power switch is turned to ON during charging, the power switch will automatically turn off and the display will disappear.

Things to know before charging

Make sure to read the following precautions before connecting the AC charging cable to the vehicle and charging the hybrid battery (traction battery).

■ Safety functions

- The hybrid system will not start while the AC charging cable is attached to the vehicle, even if the power switch is operated.
- If the AC charging cable is connected while the "READY" indicator is illuminated, the hybrid system will stop automatically and driving will not be possible.

⚠ WARNING

■ Caution when charging

People with implantable cardiac pacemakers or cardiac resynchronization therapy-pacemakers should not carry out the charging procedure. Ask someone else to do it.

- Do not approach the charger and AC charging cable while charging.
  Charging procedure may affect the operation of such devices.
- Do not remain in the vehicle during charging.
  Charging procedure may affect the operation of such devices.
- Do not enter the vehicle even to take something out of the luggage compartment.
  Charging procedure may affect the operation of such devices.

■ When the AC charging cable is connected to the vehicle

Do not operate the shift lever.
In the unlikely event that the AC charging cable has been damaged, the shift position may change from P to another position and the vehicle could move, possibly leading to an accident.

Charging precautions

This vehicle has been designed to allow charging from an external power source using a AC charging cable for exclusive use with standard household AC outlets.

However, the vehicle differs greatly from standard household electrical goods in the following ways, and incorrect usage could cause fire or electric shock, possibly leading to death or serious injury.

- The charging operation is designed to operate at 12A continuously for the charge duration (up to 12 hours). (→P.114)
- Charging can be conducted outdoors.

To charge properly, follow the procedure after reading the explanation below. Charging is intended to be carried out by licensed drivers only who properly understand the charging procedure.

- Do not allow children to use

the AC charging cable without supervision. Also, keep the AC charging cable out of reach of infants.

- When charging with a charger, follow the procedures for using each charger.
- When charging using a public charging facility, check the setting of the charging schedule function.

• When the charging schedule is registered, temporarily turn off the function or turn “Charge Now” on. (→P.137, 142)

• When the charging schedule is set to on, charging will not start even if the AC charging cable is connected. Also, charging fee may occur due to connection of the AC charging cable.

Confirm the following before charging

Before charging, always check the following items.

- The parking brake is applied. (→P.290)
- Lights such as the headlights, emergency flashers and interior lights etc. are turned off.

If these light switches are turned on, then these features will consume electricity, and charging time will increase.

- The power switch is turned to OFF. (→P.283)

Inspecting the AC charging cable

Before charging, make sure that each part of the AC charging cable is in good condition. (→P.106)

■ During charging

- The charging starting time may differ depending on the state of the vehicle, but this does not indicate a malfunction.
- Cooling fan sounds may be heard from near the rear seat. (→P.91)
- During charging, sounds may be heard from near the hybrid battery (traction battery) in accordance with the operation of the air conditioning system or “Battery Cooler” (→P.116).
- During and after charging, the rear seat and its surrounding area in which the onboard traction battery charger is installed may get warm.
- The surface of the CCID (Charging Circuit Interrupting Device) may become hot, but this does not indicate a malfunction.
- Depending on radio wave conditions, interference may be heard on the radio.
- The current charging condition and the estimated time until charging will complete can be checked on the multi-information display.

■ Capacity reduction of the hybrid battery (traction battery)

The capacity of the hybrid battery (traction battery) will decline gradually when the hybrid battery (traction battery) is in use. The rate at which it declines will differ in accordance with environmental conditions and the way in which the vehicle is used. Observing the following can help

suppress battery capacity decline.

- Avoid parking the vehicle in areas with a high temperature under direct sunlight when the hybrid battery (traction battery) is fully charged.
- Avoid accelerating and decelerating frequently and suddenly when EV driving.
- Avoid frequent driving near the top speed for EV driving. (→P.82)
- Leave a low level of charge in the hybrid battery (traction battery) when leaving the vehicle undriven for a long period of time.
  After confirming that EV mode or AUTO EV/HV mode has switched to HV mode, turn the power switch off.
- Use the charging schedule function as much as possible in order to fully charge the hybrid battery (traction battery) immediately before starting off. (→P.130)

Also, if the hybrid battery (traction battery) capacity reduces, the distance that can be driven in EV mode or AUTO EV/HV mode decreases. However, vehicle performance does not significantly become worse.

■ When the remaining charge of the hybrid battery (traction battery) is low after charging

In the following situations, the remaining charge of the hybrid battery (traction battery) after charging completes may be less than normal in order to protect the system (the EV driving range after the battery is fully charged may be shorter).*

- Charging is carried out when the outside temperature is low or high.
- Charging is carried out immediately after high-load driving or in extreme heat.

When none of the above situations apply and there is a drastic drop in the remaining charge of the hybrid battery (traction battery) after charging completes, have the vehicle inspected by your Toyota dealer.

*: When this occurs, even if the remaining charge display of the hybrid battery (traction battery) shows that it is fully charged, the remaining charge rapidly decreases faster than normal.

■ When the charging amount sent to the hybrid battery (traction battery) decreases

When the amount of power supplied by the charger is low or operation of the “Battery Heater”, etc., reduces the charging power sent to the hybrid battery (traction battery), the charging amount sent to the hybrid battery (traction battery) may decrease.

■ Certification

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

How to charge

This section explains the procedure for charging the hybrid battery (traction battery) with the equipped AC charging cable.

When using a charging station, make sure to check the operation instructions on the charging station.

When the charging schedule is registered, make sure “Charge Now” is turned on before charging. (→P.137, 142)

WARNING

■AC charging inlet

Do not disassemble, repair or modify the AC charging inlet. Doing so may lead to unforeseen accidents or serious injury. When the AC charging inlet needs to be repaired, consult your Toyota dealer.

NOTICE

■When using the AC charging cable and related parts

To prevent damage to the AC charging cable and related parts, observe the following precautions.

- When interrupting or canceling charging, remove the charging connector before removing the plug.
- When removing the AC charging cable, check that the charging connector is unlocked.
- Do not forcefully pull the charging connector cap and AC charging inlet cap.
- Do not apply a vibration to the charging connector while charging. Charging may be stopped.
- Do not insert anything but the charging connector into the AC charging inlet.
- When inserting the plug into or removing the plug from the outlet, make sure to hold the body of the plug.
- Do not damage the AC charging inlet cap with a sharp object.
- Do not forcefully pull the AC charging cable that is caught or entangled. If the cable is entangled, disentangle it before using.

Charging precautions

→P.121

When charging

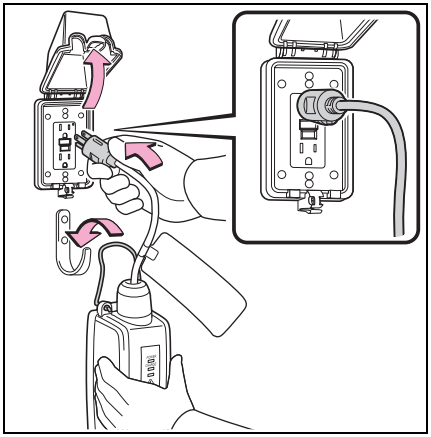
1 Prepare the AC charging cable.

2 Insert the AC charging cable into the outlet of the external power source.

Make sure to hold the body of the plug and insert it firmly into the outlet.
Check that the power indicator on the CCID (Charging Circuit Interrupting Device) is illuminated. (If it is not illuminated, refer to P.147)

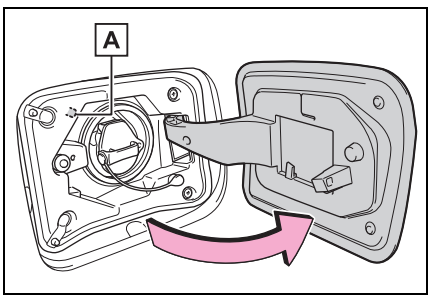
In order to reduce the load on the outlet and plug, when inserting the plug, use a string, etc. to hang the CCID (Charging Circuit Interrupting

Device) on a hook or equivalent.

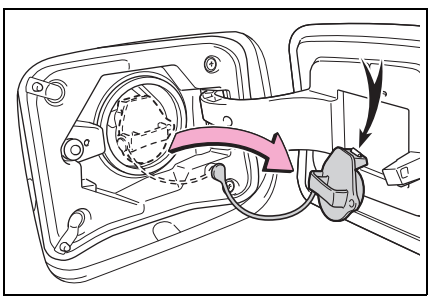


3 Unlock the doors and open the charging port lid. (→P.107)

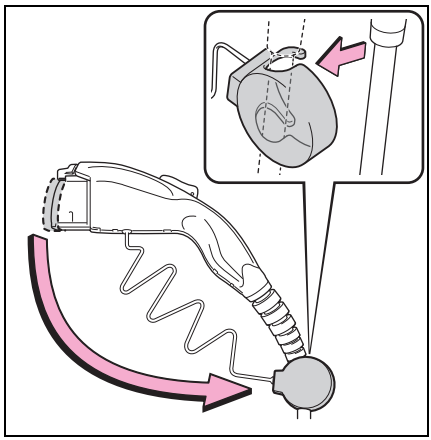
The AC charging inlet light (A) will illuminate.



4 Remove the AC charging inlet cap and secure it into the holder on the charging port lid.



5 Remove the charging connector cap and secure it to the cable.

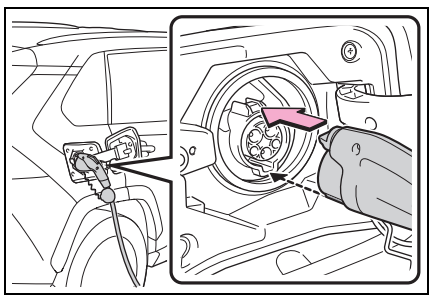


6 Insert the charging connector into the AC charging inlet.

Align the guide position on the bottom of the charging connector, and push the charging connector straight into the AC charging inlet as far as possible.

Once a click sound is heard, check that the charging connector is securely locked.

When the charging connector is inserted straight as far as possible, it will automatically lock. (→P.108)



7 Confirm that the charging indicator of the charging port is illuminated.

Charging will not start if the

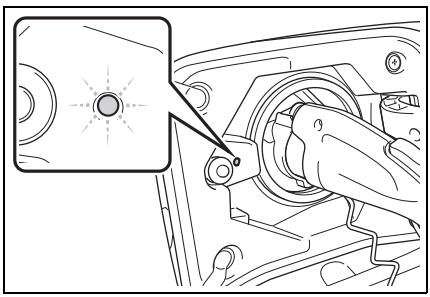
charging indicator does not illuminate when the charging connector is inserted. (→P.105)

If the charging indicator is flashing, the charging schedule is registered. (→P.130)

If the error warning indicator on the CCID (Charging Circuit Interrupting Device) flashes during charging, check P.125 and follow the correction procedure.

The charging indicator will turn off when charging is completed.

The charging indicator will also turn off when charging is interrupted. In this case, refer to P.147.



■ **If the charging indicator of the charging port flashes after connecting the AC charging cable**

The charging schedule (→P.130) is registered and charging cannot be performed. To cancel charging using the charging schedule and start charging, perform any of the following procedures.

- Turn “Charge Now” on (→P.137, 142)
- While the charging indicator is flashing, remove and reconnect the charging connector within 5 seconds

■ **When the charging connector cannot be inserted into the AC charging inlet**

→P.109

■ **Charging time**

→P.114

■ **Safety function**

If the latch release button is pressed, charging will not begin even if the AC charging cable is connected.

Also, charging will be stopped if the latch release button is pressed and held for several seconds during charging. When restarting charging, reinsert the charging connector after pulling it out, and check that the charging indicator of the charging port illuminates.

■ **Charging time may increase**

→P.115

■ **While charging**

When the power switch is turned to ON and the energy monitor is displayed on the audio system screen, the charging connector is displayed on the energy monitor and the flow of electricity during charging is displayed (→P.187).

■ **Protection function of AC charging inlet overheating (vehicles with 6.6 kW onboard traction battery charger)**

By installing a temperature sensor to the AC charging inlet, prevents parts from melting when the temperature rises due to foreign matter entering the charging connector. When a certain temperature increase is detected, charging is stopped immediately and a message is displayed on the multi-information display. After the temperature has decreased, charging resumes by performing the operation to start charging again.

WARNING

■When charging

Observe the following precautions.

Failure to do so may cause an unexpected accident, resulting in death or serious injury.

- Connect to a power source suitable for charging. (→P.111)
- Check that the AC charging cable, plug and outlet are free of foreign matter.
- Before charging, check that the AC charging inlet is not deformed, damaged or corroded, and check that the inlet is free of foreign matter such as dirt, snow and ice.
  If there is dirt or dust in these areas, remove completely before inserting the charging connector.
- Do not get the terminals of the AC charging inlet wet.
- Only use outlets where the plug can be securely inserted.
- Do not bundle or wind the AC charging cable while charging, as doing so may result in overheating.
- Do not touch the terminals of the charging connector and AC charging inlet with a sharp metal objects (needles etc.) or hands, or short them with foreign objects.
- When charging outdoors, make sure to connect to a weatherproof outlet for outdoor use. Ensure the weatherproof outlet cover closes completely. If the weatherproof outlet cover cannot be closed, install a weatherproof outlet cover that will close.
- In order to stop charging at the charging station, follow the instructions of the charger.
- If any heat, smoke, odors, noise or other abnormalities are noticed during charging, stop charging immediately.
- Do not insert the plug if the outlet is submerged in water or snow.
- When charging while it is raining or snowing, do not connect or disconnect the plug if your hands are wet. Also, do not get the plug or outlet wet.
- Do not charge the vehicle during a lightning storm.
- Prevent the AC charging cable from being caught in the door or back door.
- Do not let the wheels on the AC charging cable, plug, charging connector and CCID (Charging Circuit Interrupting Device).
- Firmly insert the plug into the outlet.
- Do not use an extension cord and converting adaptor.
- Close the hood before using the charging system. The cooling fan may start operating suddenly. Touching or getting close to rotating parts such as the fan may cause your hands or clothes (especially a necktie or scarf) to become caught and result in a serious injury.
- If the power indicator on the CCID (Charging Circuit Interrupting Device) does not illuminate after plugging the AC charging cable into the socket-outlet, unplug it immediately.

WARNING

■ If the error warning indicator on the CCID (Charging Circuit Interrupting Device) illuminates or flashes during charging

There may be an electrical leakage in the power source path, or there may be a malfunction in the AC charging cable or CCID (Charging Circuit Interrupting Device). Refer to P.105 and follow the correction procedure. If the error warning indicator does not turn off even after performing the correction procedure, immediately stop charging, remove the AC charging cable and contact your Toyota dealer. Continuing to charge the vehicle in that condition may lead to unforeseen accidents or serious injury.

■ Onboard traction battery charger

The onboard traction battery charger is located under the rear seats. Make sure to observe the following precautions regarding the onboard traction battery charger. Failure to observe these precautions may result in death or serious injury such as burns and electric shocks.

- The onboard traction battery charger is hot during charging. Do not touch the onboard traction battery charger, as doing so may result in burns.
- Do not disassemble, repair or modify the onboard traction battery charger. When the onboard traction battery charger needs to be repaired, consult your Toyota dealer.

NOTICE

■ When charging

Do not insert the plug into the AC charging inlet.

The AC charging inlet may be damaged.

■ Using private power generator

Do not use private power generators as a power source for charging.

Doing so may make charging unstable, the voltage may be insufficient, and the error warning indicator on the CCID (Charging Circuit Interrupting Device) of the AC charging cable may flash.

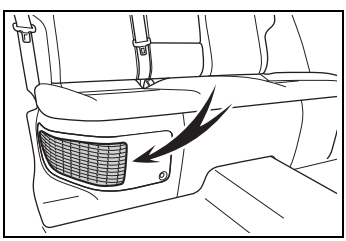
■ Charging station

Due to the environment in which the power equipment is located, charging may be unstable due to noise, the voltage may be insufficient, and the error warning indicator on the CCID (Charging Circuit Interrupting Device) of the AC charging cable may flash.

■ Onboard traction battery charger cooling air intake vent

Cooling air intake vent for the onboard traction battery charger is installed under the rear seats.

Make sure to observe the following precautions regarding the cooling air intake vent. Failure to observe these precautions may result in a charging system malfunction.



NOTICE

- Do not block the air intake vent with seat covers or luggage
- If the air intake vent is clogged with dust, clean it with a vacuum cleaner
- Do not allow water or foreign matter to enter the air intake vent
- Do not spill large amounts of water near the air intake vent
  If water is spilled, have the vehicle inspected by your Toyota dealer and do not charge the hybrid battery (traction battery) before the inspection.

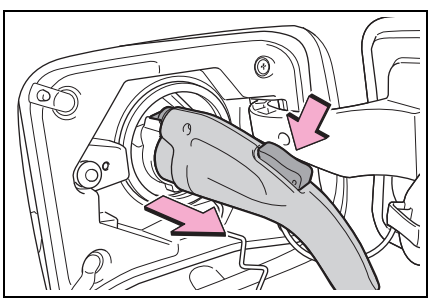
After charging

1 Unlock the doors to unlock the charging connector. (→P.109)

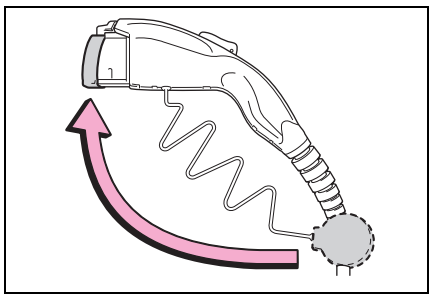
The charging connector will be unlocked and the AC charging inlet light will illuminate when the doors are unlocked.

2 Pull the charging connector towards you while pressing the latch release button.

If the latch release button is pressed during charging (while the charging indicator is illuminated), charging will be interrupted.

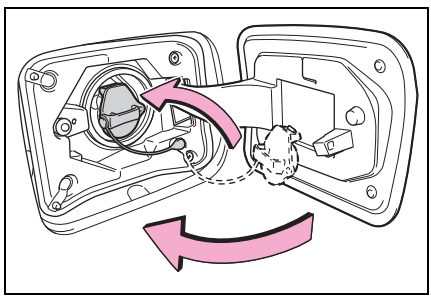


3 Attach the charging connector cap.



4 Attach the AC charging inlet cap and close the charging port lid.

Lock the doors to lock the charging port lid. (→P.108)



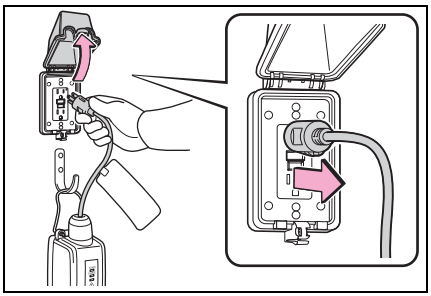
5 Remove the plug from the outlet when the charging equipment will not be used for a prolonged period of time.

Hold the body of the plug when removing.

Make sure to put the cable away immediately after disconnecting. (→P.129)

When leaving the plug inserted, inspect the plug and connector once a month to check if dirt or dust

has accumulated.



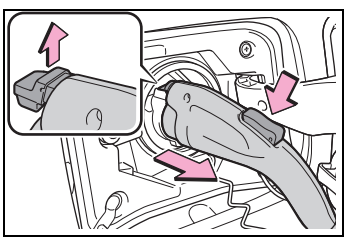
■When the outside temperature is low or high

The level shown on the SOC (State of Charge) gauge (→P.165) may drop slightly when the power switch is turned to ON, even if charging has been completed and the hybrid battery (traction battery) is fully charged. However, this does not indicate a malfunction.

■When removing the charging connector

Press the latch release button, check that the lever raises up, and then pull the charging connector towards you.

If the lever does not raise up even after the latch release button is pressed, the charging connector is locked. If this occurs, unlock the doors using the smart key system or wireless remote control to unlock the charging connector. (→P.107)



■If the charging connector cannot be unlocked

→P.110

WARNING

■After charging

Remove the plug if it will not be used for a long time.

Dirt and dust may accumulate plug or outlet, which could cause a malfunction or fire, possibly leading to death or serious injury.

NOTICE

■After charging

- Store the AC charging cable out of reach from infants and children.
- After disconnecting the charging connector from the AC charging inlet, make sure to put on the AC charging inlet cap and close the charging port lid. If the AC charging inlet cap is not put on, water or foreign objects may enter the AC charging inlet, which could lead to vehicle damage.
- After removing the plug from the outlet, keep it in a safe place free from moisture and dust. The AC charging cable or plug may be damaged if the cable is stepped on or ridden over by the vehicle.

Using the charging schedule function

Charging can be carried out at the desired time by registering the charging schedule. Also, it is possible to set the charging schedule to one's preferences, such as having charging complete by a certain departure time or be carried out at the same time on certain days.

■ Calendar settings

Current date and time information is automatically set using GPS. However, if GPS calibration of clock is turned off in the multimedia system settings, the date needs to be set on the multi-information display.

If the calendar settings check screen is displayed when an attempt was made to register a charge schedule, check that the correct date is set. If it is incorrect, be sure to correct it.

If the calendar information is wrong, the charging schedule function will not operate normally.

Settings of the charging schedule function

When registering the charging schedule, the following settings can be changed.

■ Select the charging mode

One of the two following charging modes can be selected.

▶ "Start"

Starts charging at the set time[*1] and finishes charging when fully charged.[*2]

▶ "Departure"

Starts charging to finish at the set time.[*3, 4]

When this setting is selected, the air conditioning-linked function can be used.

[*1]: Charging schedule function is performed in accordance with the clock in the multi-information display. Before registering the charging schedule, check the clock settings to the proper time.

[*2]: There might be a slight error in the timing when charging starts due to the state of the hybrid battery (traction battery).

[*3]: When the system determines that there is no time to finish charging by the set scheduled departure time, it starts charging. Check the charging schedules.

[*4]: If sudden changes in temperature or changes in the condition of the power source occur while charging, charging may not end exactly at the time estimated by the system.

■ Repeated setting

The periodic charging schedule can be set by selecting your desired day of the week. (If no days are selected, charging is only carried out once.)

■ Air conditioning-linked setting (“Climate Prep”)

When the charging mode is set to “Departure”, the vehicle air conditioning system (→P.396) can be set to automatically operate* according to the set time.

By adjusting the cabin temperature in advance, passengers can enjoy a pleasant interior immediately after entering the vehicle.

*: Operation starts approximately 20 minutes before the set departure time.

■ Turning “Charge Now” on and off

If even one charging schedule is registered, charging does not start until the set time, even if the AC charging cable is connected to the vehicle. To start charging without changing the charging schedule setting, turn “Charge Now” on to temporarily cancel the charging schedule and enable charging after connecting the AC charging cable.

■ Changing “Next Event”*1

It is possible to temporarily set the time of the next charging schedule without changing the registered repeated setting.*2

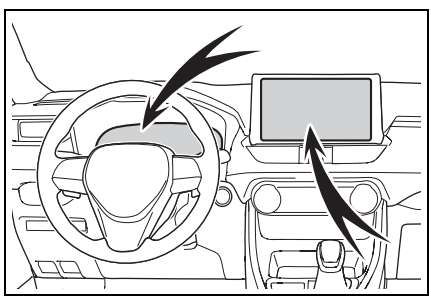
*1: The “Next Event” refers to the closest charging schedule from the current time among the registered charging schedules. Charging schedule is performed based on the “Next Event”.

*2: When “Next Event” is changed, the current charging schedule will be temporarily ignored and charging will not be carried out until the time specified by “Next Event”. (For example, when “Next Event” is set for 2 days later, even if items are registered on the charging schedule, charging will not be carried out until the time specified by “Next Event”.)

Registering the charging schedule

The charging schedule can be registered on the multi-information display or audio system screen (vehicles with Premium Audio).

- Multi-information display operation: →P.133
- Audio system screen operation (vehicles with Premium Audio): →P.139



■ Charging schedule

- The charging schedule cannot be set while driving.
- A maximum of 15 charging schedules can be registered.

■ **To make sure that the charging schedule function operates correctly**

Check the following items.

- Adjust the clock to the correct time (→P.169)
- The calendar is set to the correct date (→P.177)
- Check that the power switch is turned off
- After registering the charging schedule, connect the AC charging cable
  The charging start time is determined based on the charging schedule at the time that the AC charging cable was connected.
- After connecting the AC charging cable, check that the charging indicator of the charging port flashes (→P.100)
- Do not use an outlet that has a power cut off function (including a timer function)
  Use an outlet that constantly supplies electricity. For outlets where the power is cut off due to a timer function, etc., charging may not be carried out according to plan if the power is cut off during the set time.

■ **When the AC charging cable remains connected to the vehicle**

Even if multiple consecutive charging schedules are registered, the next charge will not be carried out according to the charging schedule until the AC charging cable is removed and reconnected after charging completes. Also, when the hybrid battery (traction battery) is fully charged, charging according to the charging schedule will not be carried out.

■ **"Climate Prep"**

- When the air conditioning-linked setting is turned on, the air conditioning operates until the set departure time. Therefore, the air conditioning will consume electricity and charging may not complete by the set departure time.
- If the hybrid battery (traction battery) is fully charged, charging will not be carried out, even if the charging schedule is set. However, if "Climate Prep" is turned on, the air conditioning will operate only once when it nears the time set in "Departure". If this occurs, the air conditioning will consume electricity and the remaining charge of the hybrid battery (traction battery) when departing may be decreased.
- When the doors are unlocked, the air conditioning system does not operate.

■ **Smartphone-linked operation (vehicles with Premium Audio)**

After applying to Toyota Apps, it is possible to use the smartphone application to change charging schedule settings.

For details about Toyota Apps, refer to http://www.toyota.com/connectedservices in the United States and http://www.toyota.ca/connected in Canada.

■ **When charging schedules are ignored**

When the following operations are performed while the charging schedule is on standby, charging schedule is temporarily canceled and charging is started.

- When the Remote Air Conditioning System (→P.405) is operated
- When turning "My Room Mode" on (→P.144)
- When turning "Charge Now" on (→P.137, 142)
- When an operation that temporarily cancel charging using the charging schedule (→P.125)

■ **Effects of outside temperature**

When the charging mode is set to “Departure”, charging schedule may be ignored due to the outside temperature and charging may start.

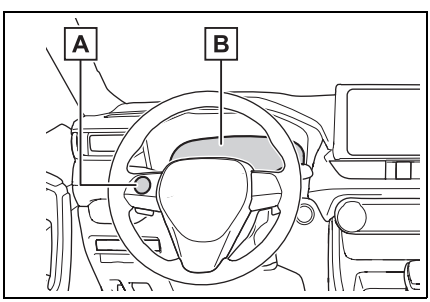
■ **“Battery Heater” (→P.115) / “Battery Cooler” (→P.116)**

When charging is carried out using the charging schedule, the hybrid battery (traction battery) heating or cooling function may operate according to the temperature of the hybrid battery (traction battery).

- When the charging mode is set to “Start”, the function starts at the set charging start time.
- “Battery Heater”: When the charging mode is set to “Departure”, the function starts automatically to complete heating by the desired departure time.
- “Battery Cooler”: When the charging mode is set to “Departure”, cooling starts approximately 30 minutes before the charging start time. However, if there is no time to finish charging by the charging schedule, the hybrid battery (traction battery) cooling time may be shortened and “Battery Cooler” may not operate.

Setting operations on multi-information display

When operating charging schedule, use the meter control switches.



A Meter control switches (→P.171)

B Multi-information display

■ **Registering the charging schedule**

1 Press ◀ or ▶ of the meter control switches to select ⚙.

2 Press ▲ or ▼ of the meter control switches to select “Vehicle Settings”, and then press and hold OK.

3 Press ▲ or ▼ of the meter control switches to select “Charging Settings”, and then press OK.

The “Charging Settings” screen will be displayed.

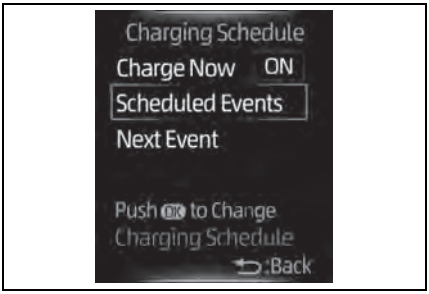
4 Press ▲ or ▼ of the meter control switches to select “Charging Schedule”, and then press OK.

The “Charging Schedule” screen will be displayed.

5 Press ▲ or ▼ of the meter control switches to select “Scheduled Events”, and then press OK.

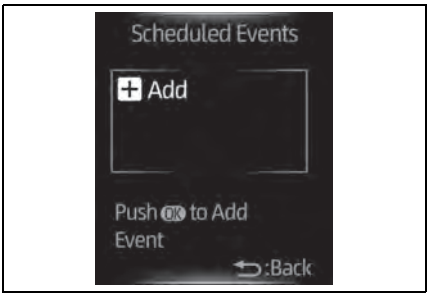
The “Scheduled Events” screen will

be displayed.



6 Press ∧ or ∨ of the meter control switches to select “+”, and then press OK.

The “Charging Mode” screen will be displayed.



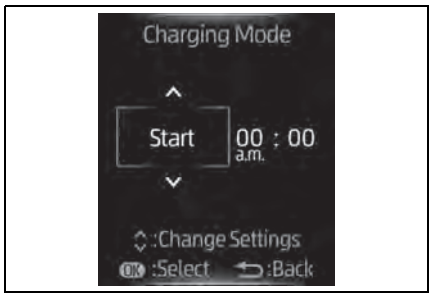
7 Press ‹ or › of the meter control switches to select the item to change with the cursor, and then press ∧ or ∨ to change the setting.

Set the desired charging mode and charging start (or departure) time.

When the charging mode is “Start”, this sets the charging start time. When it is “Departure”, this sets the charging end time.

After changing the settings to the desired settings, press OK.

When the charging mode is set to “Departure”, the “Climate Prep” screen is displayed. When the charging mode is set to “Start”, the “Repeat” screen (step 9) is displayed.



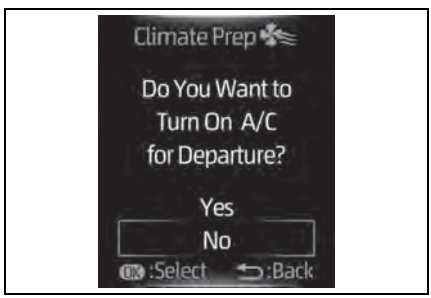
8 When the charging mode is set to “Departure”, set the “Climate Prep” to on or off.*

Press ∧ or ∨ of the meter control switches and select “Yes” or “No”, and then press OK.

Select “Yes” to turn on the air conditioning system and select “No” to turn it off.

The “Repeat” screen will be displayed.

*: When the charging mode is set to “Start”, “Climate Prep” screen will not display.



9 To activate the repeated setting, press ∧ or ∨ of the meter control switches to select the desired day to activate for the repeated setting, and then press OK.

Each time OK is pressed, the repeated setting switches between on and off.

When set to on, the charging schedule is repeated on that day. It is possible to set more than one day to on.

If no days are set to on, charging is only carried out once according to the charging schedule for the next 24 hours.

After changing the settings to the desired settings, select “Done”, and then press OK.

A screen where the settings can be saved will be displayed.

10 Select “Save” and press OK to save the settings.

The settings will be saved.

If you wish to change the settings, press ⮌ and perform the setting procedure again.

After setting operations are complete, when the AC charging cable is connected to the vehicle, charging will be carried out according to the charging schedule set-

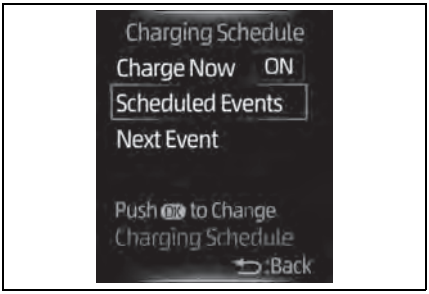
tings.

■ Switching charging schedules between on and off

The registered charging schedules can be turned on and off.

1 Perform step **1** to **5** of the “Registering the charging schedule” procedure (→P.133) and display “Scheduled Events” screen.

A list of the registered charging schedule will be displayed.

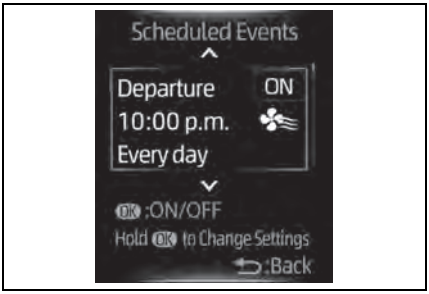


2 Press ⌃ or ⌄ of the meter control switches to select the item to turn ON/OFF, and then press OK.

Each time OK is pressed, the selected charging schedule switches between on and off.

When set to off, a charging schedule is ignored and charging according to the charging schedule is not

carried out.

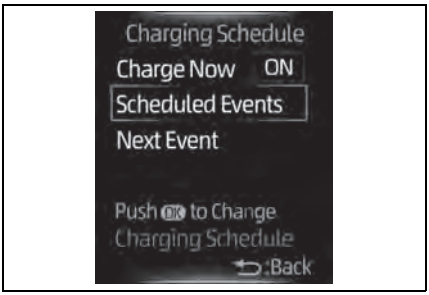


■ Changing the registered charging schedules

The registered charging schedules can be modified or deleted.

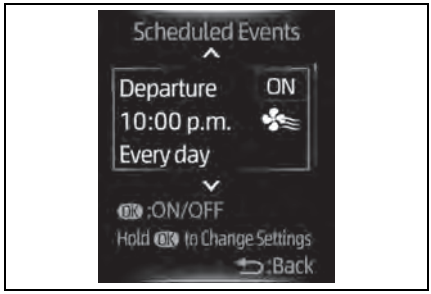
1 Perform step **1** to **5** of the "Registering the charging schedule" (→P.133) procedure and display "Scheduled Events" screen.

A list of the registered charging schedule will be displayed.



2 Press ∧ or ∨ of the meter control switches to select the item to change, and then press and hold OK.

The "Edit Event" screen will be displayed.



3 Press ∧ or ∨ of the meter control switches to select the item to operate, press OK and perform the necessary operation.

- "Edit"

Change the desired settings as described starting from step **7** of the "Registering the charging schedule" procedure. (→P.133)

Press ⮌ to return to the previous screen.

- "Delete"

A deletion confirmation screen will be displayed.

Press ∧ or ∨ of the meter control switches to select "Yes", and then press OK to delete the selected charging schedule.

To cancel deletion, select "No" and

then press OK.

Press ↩ to return to the previous screen.

■ Setting “Charge Now” to on

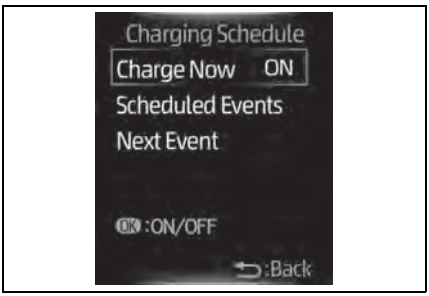
The “Charge Now” setting can be changed by performing one of the two following procedures.

▶ Operation on “Charging Schedule” screen

1 Perform step 1 to 4 of the “Registering the charging schedule” procedure (→P.133) and display “Charging Schedule” screen.

2 Press ∧ or ∨ of the meter control switches to select “Charge Now”, and then press OK.

Each time OK is pressed, “Charge Now” switches between on and off.



▶ Operation on “Closing Display” screen*

*: If “Closing Display” is not set to “Charging Schedule” on the ⚙ screen of the multi-information display, the “Closing Display” is not displayed. In this case, check the settings on the multi-information display.

1 Turn the power switch off.

The “Closing Display” screen is displayed on the multi-information display. (→P.138)

2 Press OK to set “Charge Now” to on.

Each time OK is pressed, “Charge Now” switches between on and off.

After setting operations are complete, charging starts when the AC charging cable is connected. (→P.123)

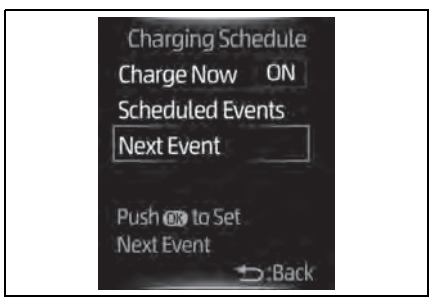
■ Changing “Next Event”*

*: When “Charge Now” is set to on or when using “My Room Mode” (→P.144) etc., it is not possible to change the registered “Next Event”.

1 Perform step 1 to 4 of the “Registering the charging schedule” procedure (→P.133) and display “Charging Schedule” screen.

2 Press ∧ or ∨ of the meter control switches to select “Next Event”, and then press OK.

The “Next Event” screen will be displayed.

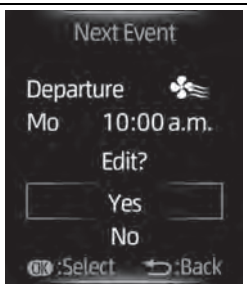


3 Press ^ or v of the meter control switches to select "Yes", and then press OK.

The confirmation message will be displayed on the screen.

Press OK, and the "Charging Mode" screen will be displayed.

Press ⮌ to return to the previous screen.



4 Change the desired settings as described starting from step 7 of the "Registering the charging schedule" procedure. (→P.133)

Press ⮌ to return to the previous screen.

■When charging schedule setting operations are canceled

When the vehicle is in the following conditions, charging schedule setting operations are canceled.

- The power switch is operated before the settings are confirmed
- The vehicle starts off
- A display with a higher priority than that of the charging schedule setting is shown

■"Next Event"

After charging completes, the "Next Event" displayed on the multi-information display will not change until the AC charging cable is removed, even after charging is performed according to the "Next Event" schedule.

■To return to original setting after changing "Next Event" setting

Turning the setting of "Charge Now" on and then off can return the setting of "Next Event" to its original setting.

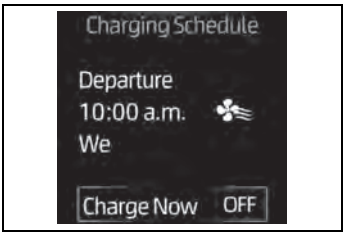
■When "Next Event" is changed while charging

- When the charging mode is "Departure", the current charging is interrupted or continued depending on the remaining time until the charging is completed.
- When the charging mode is "Start", the current charging is interrupted, the next charging will start at the set time.

■When the power switch is turned off

You can check the next charging schedule ("Next Event") on the "Closing Display" screen* when "Closing Display" is set to "Charging Schedule" on ⚙ screen of the multi-information display and the power switch is turned off.

*: The "Closing Display" screen may not be displayed during charging.



WARNING

■ Cautions while performing the setting operation

When performing the setting operation while the hybrid system is operated, 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

■ While performing the setting operation

When performing the setting operation while the hybrid system is stopped, be careful that the 12-volt battery will not be discharged.

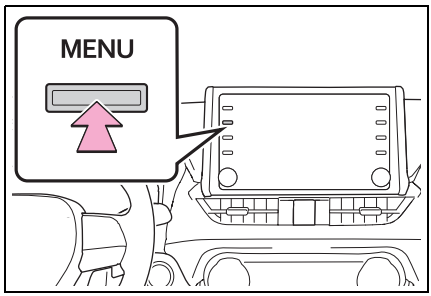
Setting operations on the audio system screen (vehicles with Premium Audio)

For details on how to operate the audio system screen, refer to "NAVIGATION AND MULTIMEDIA SYSTEM OWNER'S MANUAL".

Setting operations related to the charging schedule are performed on the "Charging Schedule" screen.

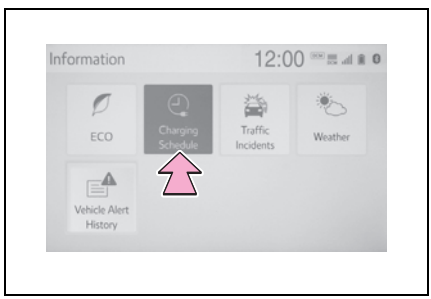
■ Displaying the "Charging Schedule" screen

1 Press the "MENU" button to display the menu screen.

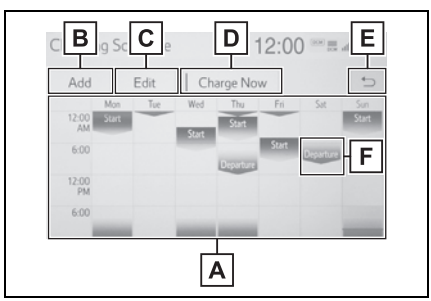


2 Select "Info" and "Charging Schedule", in that order.

The "Charging Schedule" screen will be displayed.



■ How to read the "Charging Schedule" screen



A Charging schedules (calendar display)

Displays the week-long registered

charging schedule in a list using icons.

B “Add” button

Press to add a new item to the charging schedule. (→P.140)

C “Edit” button

Press to change or delete registered items on the charging schedule. (→P.141)

D “Charge Now” button

Press to set “Charge Now” to on. (→P.142)

E Return button

Press to close the “Charging Schedule” screen.

F Charging schedules (icon display)

When an item is registered on the charging schedule, an icon is displayed on the calendar.

- Main content displayed on the calendar:

Display	Content
Red line*1	Current time
Orange icon*2	Charging schedule for Next Event
Green icon	The charging mode is set to “Departure”
Blue icon	The charging mode is set to “Start”

*1: A row with a red line indicates the current time.

*2: When “Charge Now” (→P.142) is set to on, the orange icon moves to the position of the red line and changes to display “Charge Now”.

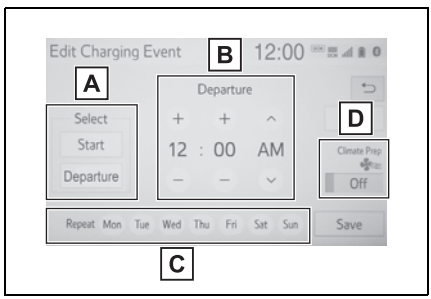
■ Registering the charging schedule

1 Display the “Charging Schedule” screen. (→P.139)

2 Press “Add”.

The “Edit Charging Event” screen will be displayed on the screen.

3 Change the schedule to the desired time.



A Charging mode

Press “Start” or “Departure” to set the desired charging mode.

B Start (or departure) time

When the charging mode is “Start”, set the charging start time (start time). When it is “Departure”, set the charging end time (departure time).

Press “+” or “-” to set the desired time.

C Repeated settings

Each time the button is pressed, the repeated setting for the selected day switches between on and off.

When turned on, the charging schedule is repeated on that day. It

is possible to turn more than one day on.

If no buttons are turned on, charging is only carried out once according to the charging schedule for the next 24 hours.

D “Climate Prep” (→P.131)

When the charging mode is set to “Departure”, the “Climate Prep” is displayed.

To operate the air conditioning system, press the “Climate Prep” button to set the function to on.

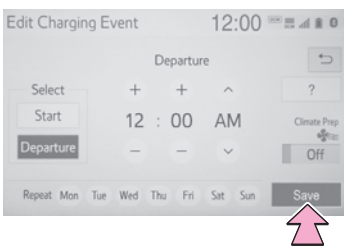
Each time the button is pressed, the function switches between on and off.

4 After setting operations are complete, press “Save”.

The charging schedule is registered and an icon is added to the calendar.

To cancel registration of the charging schedule, press the return button.

After setting operations are complete, when the power switch is turned off and the AC charging cable is connected to the vehicle, charging is carried out according to the charging schedule settings.



■ Switching charging schedules between on and off

1 Display the “Charging Schedule” screen. (→P.139)

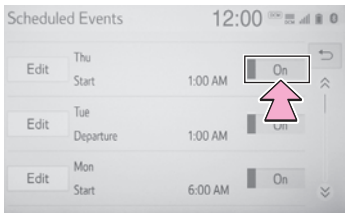
2 Press “Edit”.

The “Scheduled Events” screen will be displayed on the screen.

3 From the items displayed on the screen, press on or off in the row of the charging schedule you wish to change.

If the charging schedule you wish to change is not displayed on the screen, scroll the list up and down to display it.

Each time the button is pressed, the charging schedule switches between on and off.



■ Changing the registered charging schedules

1 Display the “Charging Schedule” screen. (→P.139)

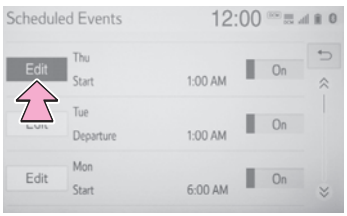
2 Press “Edit”.

The “Scheduled Events” screen will be displayed on the screen.

3 From the items displayed on the screen, press “Edit” in the row of the charging schedule you wish to change.

The settings screen will be displayed on the screen.

It is also possible to display the “Edit Charging Event” screen by pressing the icon of the charging schedule you wish to change from those displayed on the calendar.



● Changing registered items:

Change the desired settings as described in step **3** to step **4** of the “Registering the charging schedule” procedure. (→P.140)

When a setting is changed, its icon on the calendar also changes.

● Deleting registered items:

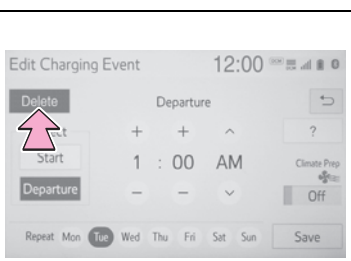
Press “Delete”.

A deletion confirmation message will be displayed.

Press “Yes” to delete the selected charging schedule.

To cancel deletion, press “No” or the return button.

When a charging schedule is deleted, its icon is also deleted from the calendar.

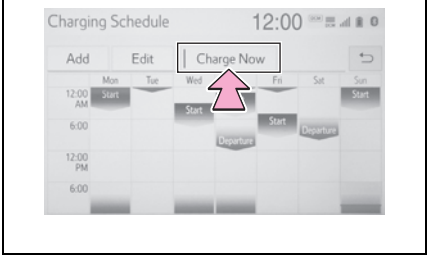


■ Turning “Charge Now” on

1 Display the “Charging Schedule” screen. (→P.139)

2 Press “Charge Now”.

Each time the button is pressed, “Charge Now” switches between on and off and the indicator on the button turns on and off.



After setting operations are complete, charging starts when the AC charging cable is connected. (→P.123)

■ Changing Next Event*

*: When “Charge Now” is turned on or when using “My Room Mode” (→P.144) etc., the registered Next Event cannot be changed.

1 Display the “Charging Schedule” screen. (→P.139)

Next Event is displayed on the “Charging Schedule” screen with an orange icon.

2 Press the orange icon.

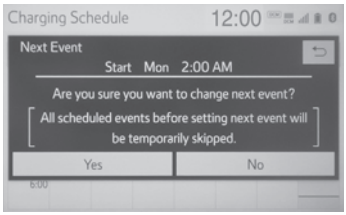
A confirmation screen for the changes will be displayed.

3 Press “Yes”.

The “Scheduled Events” screen will be displayed on the screen.

To cancel changing, press “No” or

the return button.



4 Change the desired settings as described in step 3 to step 4 of the “Registering the charging schedule” procedure. (→P.140)

The charging schedule settings are saved and icons are added to the charging schedule.

To cancel changing Next Event, press the return button.

■When a charging schedule has been registered

When all the items in the charging schedule are turned off, icons are not displayed on the “Charging Schedule” screen (calendar display).

The icons will be displayed when they are set to on using the “Scheduled Events” screen.

■When charging schedule setting operations are canceled

When the vehicle is in the following conditions, charging schedule setting operations are canceled.

- The power switch is turned off before the settings are confirmed
- The vehicle starts off
- A display with a higher priority than that of the charging schedule setting is shown

■Next Event

After charging completes, the Next Event displayed on the display will not change until the AC charging cable is removed, even after charging is performed according to the Next Event schedule.

■To return to original setting after changing Next Event setting

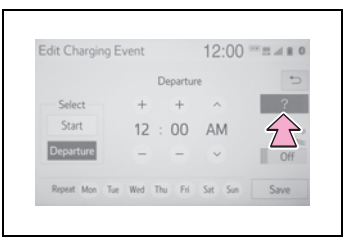
Turning the setting of “Charge Now” on and then off can return the setting of Next Event to its original setting.

■When Next Event is changed while charging

- When the charging mode is “Departure”, the current charging is interrupted or continued depending on the remaining time until the charging is completed.
- When the charging mode is “Start”, the current charging is interrupted, the next charging will start at the set time.

■Displaying advice related to charging schedule settings

When “?” is pressed on the “Edit Charging Event” screen (→P.141), an explanation of the setting item on the “Edit Charging Event” screen will be displayed.



WARNING

■ Cautions performing the setting operation

As the hybrid system needs to be operating during setting up the 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

■ While performing the setting operation

When performing the setting operation while the hybrid system is stopped, be careful that the 12-volt battery will not be discharged.

Using the “My Room Mode”

When the AC charging cable is connected to the vehicle, electrical components such as the air conditioning system or audio system can be used using the external power source.

Starting “My Room Mode”

1 Connect the AC charging cable to the vehicle and start charging

2 Turn the power switch on during charging

The setting screen of “My Room Mode” is displayed automatically on the multi-information display.

3 Press ^ or v of the meter control switches, select “Yes”, and then press OK.

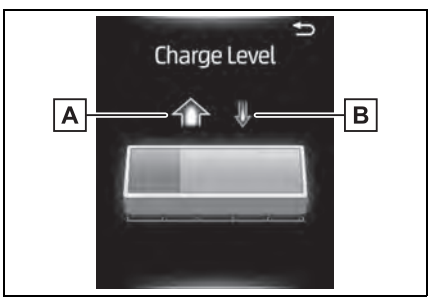
“My Room Mode” starts and systems such as the air conditioning system and audio system can be used inside the vehicle.

When not using “My Room Mode”, select “No”, and then press OK.

To stop “My Room Mode”, turn the power switch off.

Display of power balance information while using “My Room Mode”

When “My Room Mode” starts, the remaining charge display screen for the hybrid battery (traction battery) is displayed automatically on the multi-information display. The approximate power balance (balance between electricity supply and consumption) while using “My Room Mode” can be checked from the color and size of the arrows.



A Discharging status

B Charging status

When the electricity supply from the AC charging cable is larger than the power consumption inside the vehicle, B becomes larger. When the power consumption is larger than the electricity supply, A becomes larger.

When the electricity supply and consumption are balanced (when the power balance is judged to be zero), A and B are displayed as the same size.

■ Meter display during charging

If “My Room Mode” is not turned on for approximately 100 seconds after the power switch is turned on during charging, the power switch will automatically turn off.

■ While using “My Room Mode”

Any of the following may occur.

- When the remaining charge of the hybrid battery (traction battery) reaches the lower limit, the air conditioning system automatically turns off.
  In this situation, the air conditioning system cannot be used until the remaining charge of the hybrid battery (traction battery) increases. Turn the power switch off and use “My Room Mode” after the remaining charge of the hybrid battery (traction battery) is restored.
- When the outside temperature is low, the heater output may be limited due to the air conditioning system operation being restricted.
- Warning lights and indicators such as electric power steering system warning light (yellow) and malfunction indicator lamp may turn on, but this is not a malfunction. Also, when the headlight switch is in the AUTO position and the surrounding area is dark, the headlights are turned on. (→P.295)

■ When a charging schedule is registered

When “My Room Mode” starts while the charging schedule is on standby, charging schedules are ignored and charging starts.

When “My Room Mode” is used while the hybrid battery (traction battery) is fully charged

When the power switch is turned on while the hybrid battery (traction battery) is fully charged and the charging connector that supplies power is connected, “Charging Port Lid is Open” is displayed on the multi-information display. In this case, press on the meter control switches to display the setting screen of “My Room Mode”, and then select “My Room Mode”.

When “My Room Mode” is used while the hybrid battery (traction battery) is fully charged, the electric power of the hybrid battery (traction battery) may be consumed. In this case, charging may be performed again.

When a message related to “My Room Mode” is displayed

When a message is displayed on the multi-information display while using or attempting to start “My Room Mode”, take the following correction procedures.

- ““Traction battery is too low for “My Room Mode””

There is insufficient remaining charge in the hybrid battery (traction battery) for starting “My Room Mode”.

Wait until the charge of the hybrid battery (traction battery) increases, then start “My Room Mode”.

- ““My Room Mode” has stopped due to low traction battery”

The remaining charge in the hybrid battery (traction battery) is insufficient.

Stop using “My Room Mode” and charge the hybrid battery (traction battery).

- ““My Room Mode” will stop when traction battery is too low Reduce power usage to continue using “My Room Mode””

The power consumption inside the vehicle is greater than the power being charged to the hybrid battery (traction battery), and the remaining charge of the hybrid battery (traction battery) is low.*

- “My Room Mode” will end unless the power consumption inside the vehicle is improved.
- To continue using “My Room Mode”, turn off the power of systems such as the air conditioning system and audio system to increase the remaining charge of the hybrid battery (traction battery).

*: The power balance status during “My Room Mode” can be checked from the remaining charge display screen for the hybrid battery (traction battery) displayed on the multi-information display.

WARNING

Cautions for using “My Room Mode”

Make sure to observe the following precautions.

Failure to do so may result in serious health problems or even death.

- Do not leave children, people who need assistance, or pets inside the vehicle. The system may turn off automatically and the interior temperature may become high or low, resulting in heat stroke, dehydration or hypothermia. Devices such as the wipers can also be used, which may lead to mistaken operation and an accident.
- Check the safety around the vehicle carefully before use.

When charging cannot be carried out

When charging does not start, even though the normal procedure is followed, check each of the following items.

If a message is shown on the multi-information display, also refer to P.152.

When charging cannot be carried out

Refer to the following table and carry out the appropriate correction procedure.

■ **The power source indicator on the CCID (Charging Circuit Interrupting Device) does not illuminate, even though the plug is connected to an external power source.**

Likely cause	Correction procedure
Plug is not properly connected to outlet	Check that the plug is properly connected to the outlet.
Power is out	After power is restored, carry out the charging procedure again.
Building breaker is tripped and power is cut off	Check that the breaker is connected and if there is no malfunction, check if the vehicle can be charged through another outlet. If charging is possible, the first outlet may have a malfunction. Contact the building or facility manager, or an electrician.
Short circuit between CCID (Charging Circuit Interrupting Device) and plug	Immediately stop charging and contact your Toyota dealer.

■ **The error warning indicator on the CCID (Charging Circuit Interrupting Device) flashes.**

Likely cause	Correction procedure
Electrical leakage detection function or self-diagnostic function operates and power is cut off	When the voltage is insufficient, the error warning indicator may flash when there is noise interference. Perform a reset and connect to a proper power source. (→P.105) If charging does not start, immediately stop charging and contact your Toyota dealer.

■ **Charging indicator of the charging port does not illuminate, even though charging connector is connected.**

Likely cause	Correction procedure
The plug is not properly connected to the outlet	Check whether the plug is properly connected to the outlet.
Charging connector is not securely connected to AC charging inlet	Check the connection status of the charging connector. • When connecting the charging connector, make sure not to touch the latch release button. Insert the charging connector securely until you hear a click. The charging connector may not be connected correctly if the latch release button is pressed while inserting. • After connecting the charging connector, check that the latch release button is not pressed and the charging indicator of the charging port is turned on. If the charging indicator of the charging port does not illuminate, even though the charging connector is securely connected, there may be a malfunction in the system. Immediately stop charging and contact your Toyota dealer.

Likely cause	Correction procedure
Hybrid battery (traction battery) is already fully charged	When the hybrid battery (traction battery) is fully charged, charging is not performed.
The charger does not operate	Please contact the facility manager when there is a problem with charger.

■ Charging indicator of the charging port flashes and charging cannot be carried out.

Likely cause	Correction procedure
When charging indicator of the charging port flashes*: Charging schedule is registered	When you wish to charge according to the charging schedule, wait until the set time. To start charging, set “Charge Now” to on. (→P.137, 142)
When charging indicator of the charging port rapidly flashes*: Malfunction occurred in an external power source or the vehicle	Start the hybrid system and follow the instructions displayed by the message on the multi-information display. (→P.152)

*: Refer to P.100 for details regarding charging indicator of the charging port illumination and flashing.

When charging schedule function does not operate normally

Refer to the following table and carry out the appropriate correction procedure.

■ Cannot charge at desired time

Likely cause	Correction procedure
Vehicle clock is not properly adjusted	Check the clock settings and adjust it to the proper time. (→P.169)
The vehicle calendar is not set correctly.	Check the calendar setting and set it to the correct date. (→P.177)

Likely cause	Correction procedure
AC charging cable is not connected to vehicle	Before using the charging schedule, connect the AC charging cable.
Incorrect charging mode selected	Check the charging mode setting. (→P.130) When the charging mode is “Start”, charging starts at the set time, but when it is “Departure”, charging is completed by the set time. (The charging start time is automatically controlled by the system.)

■ Cannot change charging schedule from smartphone application (vehicles with Premium Audio)*

Likely cause	Correction procedure
Smartphone is outside its coverage area	Check the signal strength. If the smartphone is outside its coverage area, move to a place with a better signal.

*: In order to use the smartphone application, it is necessary to apply to Toyota Apps. For details about Toyota Apps, refer to http://www.toyota.com/connectedservices in the United States and http://www.toyota.ca/connected in Canada.

■ Charging starts, even though charging schedule is registered

Likely cause	Correction procedure
“Charge Now” is set to on	When charging according to the charging schedule, set “Charge Now” to off. (→P.137, 142)
Charging schedule is set to off	Check that charging schedule is not set to off. (→P.135, 136)
Charging mode is set to “Departure” and schedule departure time is close to current time	When the system determines that there is no time to finish charging by the set scheduled departure time, it starts charging. Check the charging schedules.

Likely cause	Correction procedure
AC charging cable was removed and reinserted while charging indicator of the charging port was flashing	If the AC charging cable is removed and reinserted while the charging indicator is flashing, the charging schedule is canceled (→P.125). Temporarily remove the AC charging cable, and then reconnect it.
The Remote Air Conditioning System was operated	When the Remote Air Conditioning System is operated, the system will start charging, even if the charging schedule is registered. To carry out charging using the charging schedule, stop the Remote Air Conditioning System, and then reconnect the AC charging cable.
“Battery Heater” (→P.115) operated	When the charging mode is set to “Departure”, “Battery Heater” may operate before charging starts. Check the status of the charging indicator of the charging port. (→P.100)
Outside temperature is low and hybrid battery (traction battery) warming control (→P.116) operated (Alaska and Canada only)	When hybrid battery (traction battery) warming control operates, the charging schedules are ignored and charging starts. In order to protect the hybrid battery (traction battery), allow charging to continue.

■ Charging ends earlier than time set in “Departure”

Likely cause	Correction procedure
Charging end time does not match estimated end time due to condition of power source or outside temperature	If sudden changes in temperature or changes in the condition of the power source occur while charging, charging may end earlier than the time estimated by the system.

■ Charging is not complete, even though it is time set in “Departure”

Likely cause	Correction procedure
“Climate Prep” is set to on	When “Climate Prep” is set to on, the air conditioning operates until the set departure time. Therefore, charging may not complete by the set time due to charging conditions. To have the hybrid battery (traction battery) fully charged, allow charging to continue.
Charging end time does not match estimated end time due to condition of power source or outside temperature	If sudden changes in temperature or changes in the condition of the power source occur while charging, charging may not end exactly at the time estimated by the system.

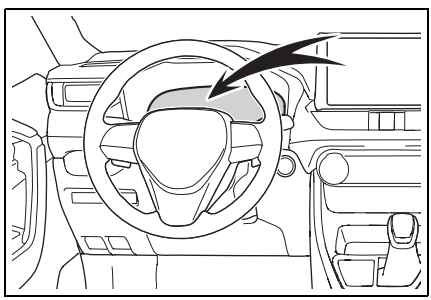
■ Charging does not start, even though it is time set in “Start”

Likely cause	Correction procedure
AC charging cable was connected after set time	Connect the AC charging cable before the time set in “Start”.

When charging-related message is displayed

When a door is opened with the power switch off, after charging, a message is displayed in the multi-information display.

When this occurs, follow the instructions displayed on the screen.



■ If “Charging Stopped Due to Pulled Charging Connector” is shown

Likely cause	Correction procedure
Charging connector is removed while charging	When the charging connector is removed while charging, charging stops. If you want to fully charge the hybrid battery (traction battery), reconnect the charging connector.
After the hybrid battery (traction battery) is fully charged, the charging connector is removed while the hybrid battery (traction battery) is being recharged again because electricity-consuming functions* have been used and the remaining charge is now reduced.	
Charging connector is not securely connected	Check the connection status of the charging connector. • When connecting the charging connector, make sure not to touch the latch release button. Insert the charging connector securely until you hear a click. The charging connector may not be connected correctly if the latch release button is pressed while inserting. • After connecting the charging connector, check that the latch release button is not pressed and the charging indicator of the charging port is turned on. If charging cannot be carried out, even though the proper procedures were followed, have the vehicle inspected by your Toyota dealer.
Latch release button of charging connector was pressed while charging	When the latch release button is pressed while charging, charging stops. To continue charging, reconnect the charging connector.

*: Electricity is consumed when operating “Battery Heater” (→P.115), the air conditioning-linked function (→P.131) or Remote Air Conditioning System (→P.405).

■ If “Charging Complete Limited Due to Battery Temp” is shown

Likely cause	Correction procedure
Charging was stopped to protect the hybrid battery (traction battery) as it continued to remain hot for a certain period of time.	Allow the hybrid battery (traction battery) to cool down and perform charging again if the charging amount has not reached the desired amount.

■ If “Charging Stopped Check Charging Source” is shown (1)

Likely cause	Correction procedure
Problem in power supply from external power source	Check the following items. • Plug is not disconnected • Power source indicator on the CCID (Charging Circuit Interrupting Device) is illuminated • The circuit breaker has tripped If there is no problem with any of the above items, there may be a problem with the outlet of the building. Contact an electrician and request an inspection. (Contact the facility manager of the charging station when there is a problem with charging station.) If charging cannot be carried out, even though there is no problem with the power source path, there may be a malfunction in the system. Have the vehicle inspected by your Toyota dealer. Furthermore, if the error warning indicator on the CCID (Charging Circuit Interrupting Device) is flashing, there may be an electrical leakage. Consult your Toyota dealer.

Likely cause	Correction procedure
Charger has stopped charging	Charging may be canceled by an interruption of power supply depending on specifications of a charger. Refer to the instructions provided with the charger. • When charging is stopped using the charger • Equipment with charging schedule function • Equipment that is not compatible with the charging schedule function of the vehicle Check if it is possible to charge with the AC charging cable equipped to the vehicle. If charging cannot be carried out, even when using the genuine AC charging cable, consult your Toyota dealer.

■ If “Charging Stopped Check Charging Source” is shown (2)

Likely cause	Correction procedure
Charger is not compatible with vehicle	Check if it is possible to charge with the AC charging cable equipped to the vehicle. If charging cannot be carried out, even when using the genuine AC charging cable, consult your Toyota dealer.
Charger has stopped charging	

■ If “Charging Stopped Check Charging Source” is shown (3)

Likely cause	Correction procedure
Problem in power supply from external power source	Check the following items. • Plug is securely inserted • Extension cord is not used and outlet is not overloaded • Connected to a dedicated power line • Electrical leakage has occurred or not If there is no problem with any of the above items, there may be a problem with the outlet of the building. Contact an electrician to request an inspection. If charging cannot be carried out, even though there is no problem with the power source path, there may be a malfunction in the system. Have the vehicle inspected by your Toyota dealer.
Charger has stopped charging	Check if it is possible to charge with the AC charging cable equipped to the vehicle. If charging cannot be carried out, even when using the genuine AC charging cable, consult your Toyota dealer.

■ If “Charging Stopped High Energy Use See Owner’s Manual” is shown

Likely cause	Correction procedure
Power is being consumed by electrical components of vehicle	Check the following items, and then carry out charging again. • If the headlights and audio are turned on, turn them off. • Turn the power switch off. If charging cannot be carried out, even after performing the above, the auxiliary battery may not be sufficiently charged. Operate the hybrid system for approximately 15 minutes or more to charge the auxiliary battery.

■ If “Charging System Malfunction See Owner’s Manual” is shown

Likely cause	Correction procedure
Malfunction occurred in charging system	Have the vehicle inspected by your Toyota dealer.

■ If “The Traction Battery Temp is low System put priority on charging to preserve battery condition” is shown (Alaska and Canada only)

Likely cause	Correction procedure
The Hybrid battery (traction battery) warming control was operated (→P.116)	When the hybrid battery (traction battery) warming control operates, the charging schedule is not used and charging is performed. This is a control to protect the hybrid battery (traction battery), and not a malfunction.

Vehicle status information and indicators

3

3-1. Instrument cluster

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Warning lights and indicators

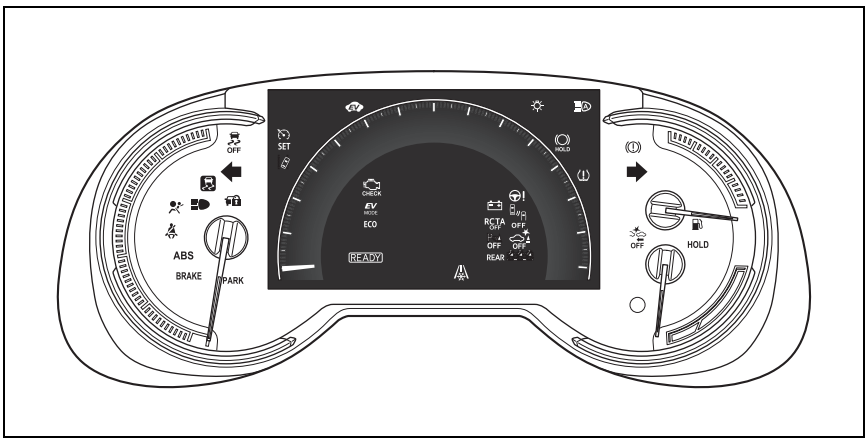
The warning lights and indicators on the instrument cluster, center panel and outside rear view mirrors inform the driver of the status of the vehicle's various systems.

Instrument cluster

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

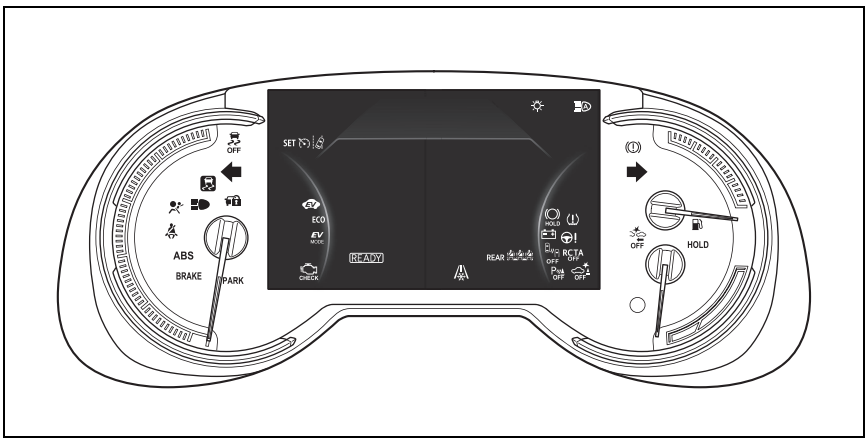
The display of the speedometer can be selected from two types, analog or digital. (→P.177)

■ When analog speedometer is displayed



The units used on the meters and some indicators may differ depending on the target region.

■ **When digital speedometer is displayed**



The units used on the meters and some indicators may differ depending on the target region.

Warning lights

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

BRAKE (U.S.A.) — Brake system warning light*1 (→P.511)

(Canada) (Red) — Brake system warning light*1 (→P.511)

(Yellow) — Brake system warning light*1 (→P.511)

Charging system warning light*1 (→P.511)

High coolant temperature warning light*2 (→P.512)

Hybrid system overheat warning light*2 (→P.512)

Low engine oil pressure warning light*2 (→P.512)

CHECK (U.S.A.) — Malfunction indicator lamp*1 (→P.512)

(Canada) — Malfunction indicator lamp*1 (→P.512)

SRS warning light*1 (→P.513)

ABS (U.S.A.) — ABS warning light*1 (→P.513)

(Canada) — ABS warning light*1 (→P.513)

(Red/yellow) — Electric power steering system warning light*1 (→P.513)

OFF (Flashes or illuminates) — PCS warning light*1 (→P.514)

(Orange)

LTA indicator (→P.514)

Intuitive parking assist OFF indicator*3 (if equipped) (→P.515)

PKSB OFF indicator*1 (if equipped) (→P.515)

BSM OFF indicator*1 (→P.516)

RCTA OFF indicator*1 (if equipped) (→P.516)

Slip indicator light*1 (→P.516)

Brake Override System/Drive-Start Control/PKSB (if equipped) warning light*2 (→P.517)

(Flashes)

Brake hold operated indicator*1 (→P.517)

(U.S.A.)
(Flashes)

Parking brake indicator (→P.517)

(Canada)
(Flashes)

Parking brake indicator (→P.517)

Tire pressure warning light*1 (→P.518)

Low fuel level warning light (→P.518)

Driver's and front passenger's seat belt reminder light (→P.518)

Rear passengers' seat belt reminder lights (if equipped) (→P.519)

*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 on, 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 with a message.

*3: Intuitive parking assist OFF indicator turns on when the power switch is turned to ON while the Intuitive parking assist function is on. It will turn off after a few seconds.

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.289)

(U.S.A.)
Headlight indicator (→P.295)

(Canada)
Tail light indicator (→P.295)

Headlight high beam indicator (→P.297)

Automatic High Beam indicator (→P.298)

Smart key system indicator*1 (→P.279)

Cruise control indicator (→P.336)

Dynamic radar cruise control indicator (→P.336)

Cruise control "SET" indicator (→P.336)

LTA indicator*2 (→P.328)

Intuitive parking assist OFF indicator*3, 4 (if equipped) (→P.358)

PKSB OFF indicator*3, 5 (if equipped) (→P.364)

(Flashes)
Slip indicator light*5 (→P.381)

VSC OFF indicator*3, 5 (→P.382)

PCS warning light*3, 5 (→P.317)

BSM outside rear view mirror indicators*5, 6 (→P.347)

BSM OFF indicator*3, 5 (→P.347)

RCTA OFF indicator*3, 5 (if equipped) (→P.347)

Brake hold standby indicator*5 (→P.293)

Brake hold operated indicator*5 (→P.293)

Security indicator (→P.72, 73)

"READY" indicator (→P.279)

Low outside temperature indicator*7 (→P.168)

EV indicator (→P.82)

(U.S.A.)
Parking brake indicator (→P.290)

(Canada)
Parking brake indicator (→P.290)

EV drive mode indicator*8 (→P.78)

AUTO EV/HV mode indicator*8 (→P.78)

HV drive mode indicator*8 (→P.78)

Hybrid battery charge mode indicator[*8] (→P.79)

Eco drive mode indicator (→P.377)

Sport mode indicator (→P.377)

Trail Mode indicator (→P.379)

"AIR BAG ON/OFF" indicator[*5, 9] (→P.44)

[*1]: This light illuminates on the multi-information display with a message.

[*2]: Depending on the operating condition, the color and illuminating/flashing state of the light change.

[*3]: The light comes on when the system is turned off.

[*4]: Intuitive parking assist OFF indicator turns on when the power switch is turned to ON while the Intuitive parking assist function is on. It will turn off after a few seconds.

[*5]: 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 on, or after a few seconds. There may be a malfunction in a system if the lights do not turn on, or turn off. Have the vehicle inspected by your Toyota dealer.

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

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

[*8]: The displayed indicator changes according to the current plug-in hybrid system operation mode.

[*9]: This light illuminates on the center panel.

■ BSM (Blind Spot Monitor) outside rear view mirror indicators

In order to confirm operation, the BSM outside rear view mirror indicators illuminate when the power switch is turned to ON, or when the BSM function/RCTA function is enabled while the power switch is in ON.

If the system is functioning correctly, the BSM outside rear view mirror indicators will turn off after a few seconds.

If the BSM outside rear view mirror indicators do not illuminate or do not turn off, there may be a malfunction in the system. If this occurs, have the vehicle inspected by your Toyota dealer.

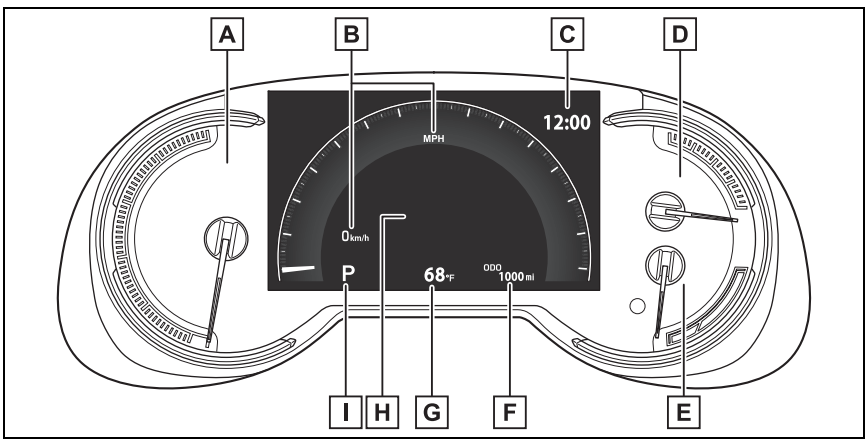
Gauges and meters

The meters display various drive information.

Meter display

The display of the speedometer can be selected from two types, analog or digital. (→P.177)

■ Analog speedometer



The units used on the meter and display may differ depending on the target region.

A Hybrid System Indicator

Displays the hybrid system output or regeneration level (→P.167)

B Speedometer

Displays the vehicle speed

C Clock

Automatically adjusts the time by using the GPS time information (GPS clock).

For details, refer to “Navigation and Multimedia System Owner’s Manual” or “Multimedia Owner’s Manual”.

D Fuel gauge

Displays the quantity of fuel remaining in the tank

E SOC (State of Charge) gauge

Displays the amount of charge remaining in the traction battery.

When the gauge is in the green zone, EV driving is possible. When the gauge is in the blue zone, EV driving is no longer possible (in this situation, the vehicle switches to HV mode). Charge the hybrid battery (traction battery) to allow EV driving.

F Odometer and trip meter

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

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

G Outside temperature (→P.168)

H Multi-information display

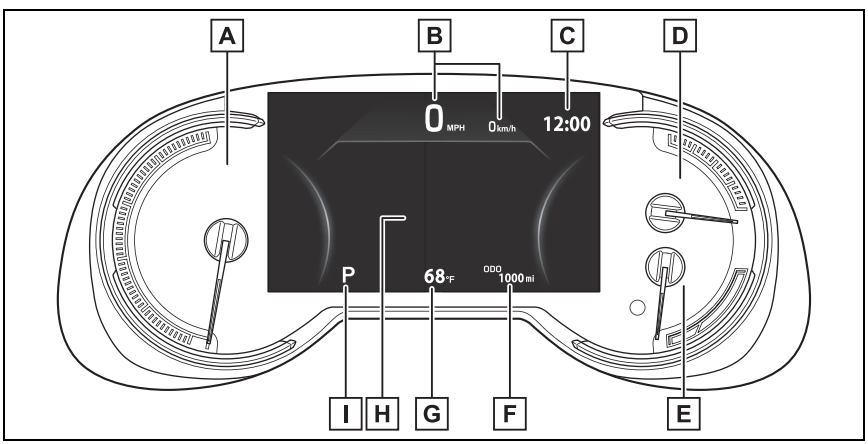
Presents the driver with a variety of driving-related data (→P.170)

Displays warning messages if a malfunction occurs (→P.523)

I Shift position and shift range indicator

Displays the selected shift position or selected shift range (→P.285)

■ **Digital speedometer**



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H Multi-information display

Presents the driver with a variety of driving-related data (→P.170)

Displays warning messages if a malfunction occurs (→P.523)

I Shift position and shift range indicator

Displays the selected shift position or selected shift range (→P.285)

■ The meters and display illuminate when

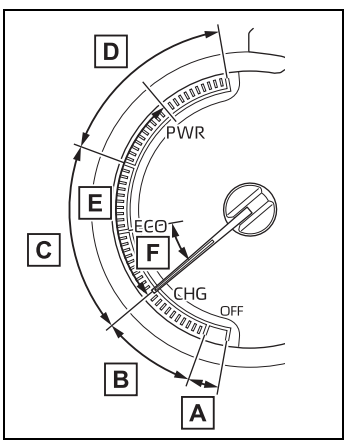
The power switch is in ON.

■ When changing driving mode

Speedometer color is changed following the selected driving mode or when Trail Mode is turned on. (→P.377, 379)

■ Hybrid System Indicator

The display contents of the Hybrid System Indicator are different in EV mode and HV mode.



A READY OFF area

Shows that the hybrid system is not operating.

B Charge area

Shows regeneration* status. Regenerated energy will be used to charge the hybrid battery (traction battery).

C Eco area

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

By keeping the indicator needle 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.)

E EV driving area (EV mode or AUTO EV/HV mode)

Shows that the vehicle is driven using only the electric motor (traction motor).

F Hybrid Eco area (HV mode)

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

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

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

In the following situation, the Hybrid System Indicator does not operate.

- “READY” indicator is not illuminated.
- The shift lever is in a range other than 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 (including when using “My Room Mode”), or driving at low speeds (less than 12 mph [20 km/h])
  - When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)
- When “--” or “E” is displayed, the system may be malfunctioning. Take your vehicle to your Toyota dealer.
- Displays the outside temperature within the range of -40°F (-40°C) to 122°F (50°C).
- When the outside temperature is approximately 37°F (3°C) or lower, the indicator will flash for approximately 10 seconds, then stay on.

■ **Liquid crystal display**

→P.171

■ **Customization**

Settings (e. g. meter display) can be changed on the screen of the multi-information display. (→P.177)

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 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 shift range 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

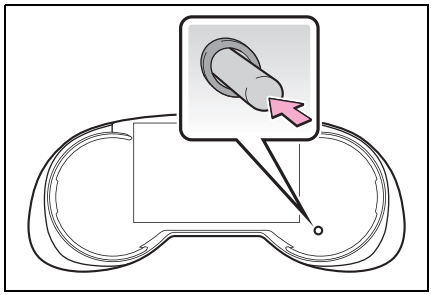
■ To prevent damage to the engine and its components

The engine may be overheating if "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" is shown on the multi-information display. In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P.544)

Using the "ODO TRIP" switch

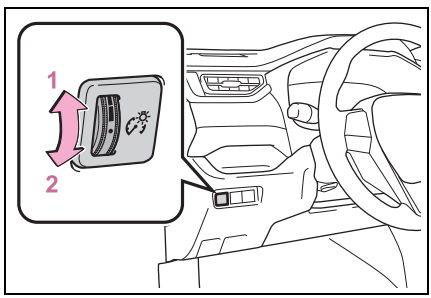
Switches the items of the odometer, trip meter A and trip meter B by pressing the "ODO TRIP" switch.

When the trip meter is displayed, pressing and holding the switch will reset the trip meter.



Instrument panel light control

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



1 Brighter

2 Darker

■ Instrument panel brightness adjustment

The instrument panel brightness levels when the tail lights are on and off can be adjusted individually. However, when the surroundings are bright (daytime, etc.), turning on the tail lights will not change the instrument panel brightness.

Adjusting the clock

The clock can be adjusted on the audio system screen.

Refer to "NAVIGATION AND

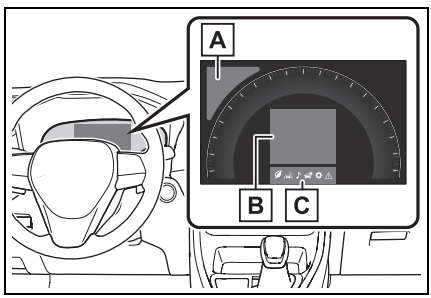
MULTIMEDIA SYSTEM OWNER'S MANUAL".

Multi-information display

The multi-information display is used to display fuel efficiency related information and various types of driving-related information. The multi-information display can also be used to change the display settings and other settings.

Display contents

Following information is displayed on the multi-information display.



A Driving support system information

Displays recognized signs while the RSA system (if equipped) is operating. (→P.333)

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

- LTA (Lane Tracing Assist) (→P.323)
- Dynamic radar cruise control with full-speed range (→P.336)

B Information display area

A variety of information can be displayed by selecting a menu icon.

Additionally, warning or suggestion/advice pop-up displays will be displayed in some situations.

C Menu icons (→P.171)

■ The multi-information display is displayed when

The power switch is in ON.

■ When changing driving mode

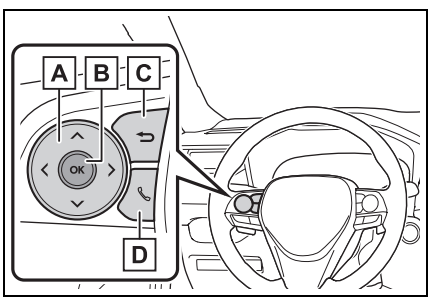
Background color of the multi-information display is changed following the selected driving mode or when Trail Mode is turned on. (→P.377, 379)

■ 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.

Changing the display

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



A Scroll the screen*/switch the display*/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 (if equipped)
Linked with the hands-free system, sending or receiving call is displayed. For details regarding the hands-free system, refer to “NAVIGATION AND MULTIMEDIA SYSTEM OWNER’S MANUAL”.

*: On screens where the screen can be scrolled and the display can be switched, a scroll bar or a round icon that shows the number of registered screens is displayed.

WARNING

■ Caution for use while driving

For safety, avoid operating the meter control switch while driving as much as possible, and do not look continuously at the multi-information display while driving. Stop the vehicle and operate the meter control switch. Failure to do so may cause a steering wheel operation error, resulting in an unexpected accident.

Menu icons

Information related to each icon can be displayed by selecting the icon with the meter control switches.

Some of the information may be displayed automatically depending on the situation.

Icon	Display
	Driving information display (→P.172)
	Driving support system information display (→P.175)
	Audio system-linked display (if equipped) (→P.175)
	Vehicle information display (→P.176)
	Settings display (→P.177)
	Warning message display (→P.181)

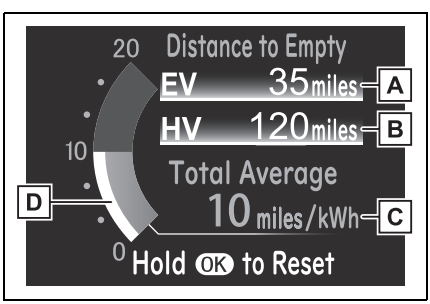
Driving information display

Select to display fuel consumption data in various forms.

■ Power Consumption/Fuel Economy

The display contents are different in EV mode or AUTO EV/HV mode, and HV mode.

▶ EV mode or AUTO EV/HV mode



A EV driving range

Displays the EV driving range with charge remaining in the hybrid battery (traction battery). (→P.95)

B Distance to empty

Displays the driving range with remaining fuel. (→P.175)

C Average power consumption

Displays the average power consumption since the function was reset or the average power consumption after starting.*1, 2, 3

The average power consumption selected by “Power Consumption” on the ⚙ screen is displayed. (→P.177)

D Current power consumption

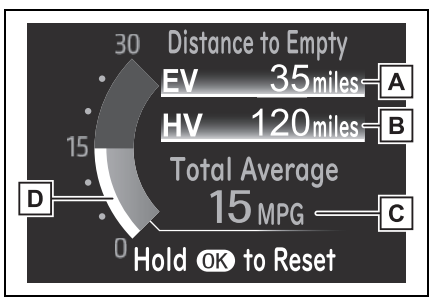
Displays the instantaneous current power consumption.

*1: Use the displayed power consumption as a reference only.

*2: Average power consumption since the function was reset can be reset by pressing and holding OK.

*3: Average power consumption after starting is reset each time the hybrid system stops.

▶ HV mode



A EV driving range

Displays the EV driving range with charge remaining in the hybrid battery (traction battery). (→P.82)

B Distance to empty

Displays the driving range with remaining fuel. (→P.175)

C Average fuel economy

Displays the average fuel economy since the function was reset or the average fuel economy after starting or refueling.*1, 2, 3

The average fuel economy selected by "Fuel Economy" on the screen is displayed. (→P.177)

D Current fuel economy

Displays the instantaneous current fuel economy.

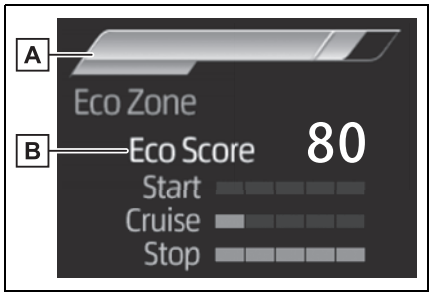
*1: Use the displayed fuel consumption as a reference only.

*2: Average fuel economy since the function was reset can be reset by pressing and holding OK.

*3: Average fuel economy after starting is reset each time the hybrid system stops.

■ ECO Accelerator Guidance/"Eco Score"

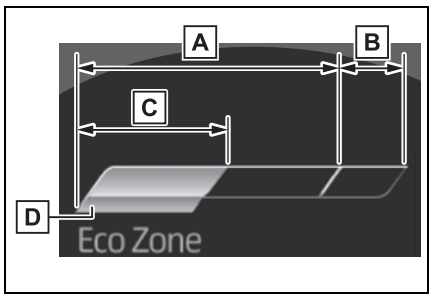
Displays a reference operation range for using the accelerator pedal according to driving conditions, and a score result that evaluates the current driving status.



A ECO Accelerator Guidance

B "Eco Score"

▶ ECO Accelerator Guidance



A ECO area

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

B Power area

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

C Current acceleration

D Reference operation range

A zone is displayed in blue under the Eco area which can be used as a reference operation range for using the accelerator pedal according to driving conditions such as starting off and cruising.

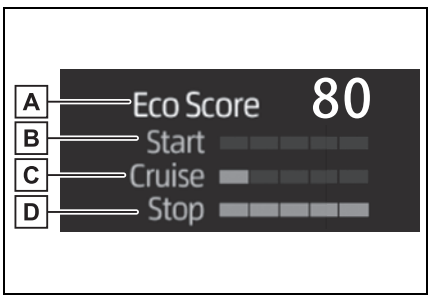
The ECO Accelerator Guidance display changes according to the driving status, such as when start-

ing off or cruising.

It is easier to drive in an Eco-friendly manner by driving according to the display showing the accelerator pedal operations and staying within the reference operation range.

▶ “Eco Score”

The driving status for the following 3 situations are evaluated in 5 levels: Smooth start-off acceleration (“Start”), driving without sudden acceleration (“Cruise”) and smooth stopping (“Stop”). Each time the vehicle is stopped, a score result is displayed out of a perfect score of 100 points.



A Score result

B “Start”

C “Cruise”

D “Stop”

How to read the bar display:

Score	Bar display
Unrated	

Score	Bar display
Low	
High	

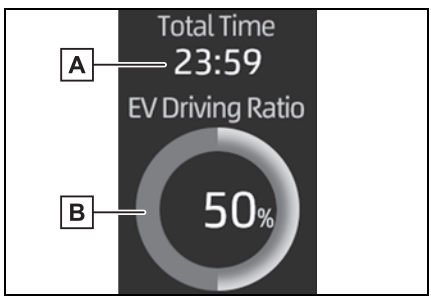
After starting off, “Eco Score” display does not start until the vehicle speed exceeds approximately 12 mph (20 km/h).

The “Eco Score” is reset each time the vehicle starts off to start a new evaluation.

When the hybrid system stops, the current total score result is displayed.*

*: The score result is displayed only when “Eco Score” is selected for “Closing Display”. (→P.177)

■ EV Ratio/EV Driving Ratio



A Elapsed time after starting

Displays the elapsed time since hybrid system was started.*

B EV driving ratio after starting

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

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

■ **Electricity consumption**

When the unit is set to “MPH”:

Electricity consumption is the consumption rate of the electricity when EV driving is performed and equivalent to the fuel consumption for the gasoline vehicles. For this vehicle, driven distance per kWh of electricity consumed (“miles/kWh”) is displayed as electricity consumption on each screen.

When the unit is set to “km/h”:

Electricity consumption is the consumption rate of the electricity when EV driving is performed and equivalent to the fuel consumption for the gasoline vehicles. For this vehicle, electricity consumed per 100 km (“kWh/100 km”) is displayed as electricity consumption on each screen.

■ **EV driving range**

- When the air conditioning system is operating, is displayed next to the EV driving range and the EV driving range with the air conditioning system on is displayed.
- The EV driving range may shorten even when not driving due to power consumption by the system.
- For details, refer to “EV driving range” (→P.95)

■ **Distance to empty**

- 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.
- When “Refuel” is displayed, the remaining fuel amount is low and the distance that can be driven with the remaining fuel cannot be calculated.
  Refuel immediately.

■ **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 dynamic radar cruise control with full-speed range.

Driving support system information display

■ **Driving support system information display**

Select to display the operational status of the following systems:

- LTA (Lane Tracing Assist) (→P.323)
- Dynamic radar cruise control with full-speed range (→P.336)

■ **Navigation system-linked display (if equipped)**

Select to display the following navigation system-linked information.

- Route guidance
- Compass display

Audio system-linked display (if equipped)

Select to enable selection of an

audio source or track on the display.

Vehicle information display

■ Drive information

2 items that are selected using the “Drive Info Items” setting (average speed, distance and total time) can be displayed vertically.

The displayed information changes according to the “Drive Info Type” setting (since the system was started or between resets). (→P.177)

Use the displayed information as a reference only.

Following items will be displayed.

● “Trip”

- “Average Speed”: Displays the average vehicle speed since hybrid system start*
- “Distance”: Displays the distance driven since hybrid system start*
- “Total Time”: Displays the elapsed time since hybrid system start*

*: These items are reset each time the hybrid system stops.

● “Total”

- “Average Speed”: Displays the average vehicle speed since the display was reset*
- “Distance”: Displays the distance driven since the display was reset*
- “Total Time”: Displays the elapsed time since the display was reset*

*: To reset, display the desired item and press and hold OK.

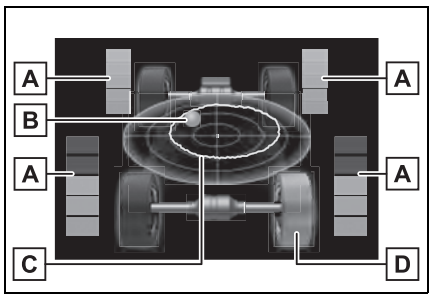
■ Energy monitor

→P.187

■ Tire pressure

→P.471

■ AWD system display



A Torque distribution display

Displays the drive status of each wheel in 6 steps from 0 to 5.

B G-force display*

Displays the size and direction of the G-force applied to the vehicle via changes to the position of the ball on the display.

C Maximum G-force course*

This item is linked with the G-force display and the course of the past movement of the ball is displayed.

Press and hold OK to reset the record.

D Wheel spin display

When a tire is spinning, its icon on the display changes its color and blinks.

*: This item is displayed only when driving mode is set to sport mode.

Settings display

Vehicle settings and the content displayed on the screen can be changed by using the meter control switches.

■ **Setting procedure**

1 Operate ◀ or ▶ of the meter control switches and select ⚙.

2 Operate ▲ or ▼ of the meter control switches and select the desired item.

- If the function is turned on and off or the volume, etc. is changed on the setting screen, the setting is changed each time OK is pressed.
- For functions that allow operation contents, display contents, etc., of function to be selected, the setting screen is displayed by pressing and holding OK. When the setting screen is displayed, select the setting or desired value (time, etc.) with OK.

3 After changing the settings, press ↩ of the meter control switches.

■ **LTA (Lane Tracing Assist) (→P.323)**

Select to set up the following items.

- "Lane Center"

Select to enable/disable the lane centering function.

- "Steering Assist"

Select to enable/disable steering wheel assistance.

- "Alert"

Select to change each notification method of the lane departure alert.

- "Sensitivity"

Select to set the lane departure alert sensitivity.

- "Sway Warning"

Select to enable/disable the vehicle sway warning.

- "Sway Sensitivity"

Select to set the vehicle sway warning sensitivity.

■ **PCS (Pre-Collision System) (→P.315)**

Select to set up the following items.

- PCS on/off

Select to enable/disable the pre-collision system.

- "Sensitivity"

Select to change the pre-collision warning timing.

■ **BSM (Blind Spot Monitor) (→P.347)**

Select to set up the following items.

- BSM (Blind Spot Monitor) on/off

Select to enable/disable the BSM

system.

- “Brightness”

Select to switch the brightness of the outside rear view mirror indicators. (→P.347)

- “Sensitivity”

Select to change the alert timing for an approaching vehicle.

■ P (Intuitive parking assist) (if equipped) (→P.356)

Select to set up the following items.

- Intuitive parking assist on/off

Select to enable/disable the Intuitive parking assist.

- “Volume”

Select to set the volume of the buzzer which sounds when the Intuitive parking assist is operated.

■ RCTA (Rear Cross Traffic Alert) (→P.347)

- RCTA (Rear Cross Traffic Alert) on/off

Select to enable/disable the RCTA system.

- “Volume”

Select to change the RCTA buzzer volume.

■ PKSB (Parking Support Brake System) (if equipped) (→P.363)

Select to enable/disable the Parking Support Brake function.

■ “HUD Main” (if equipped) (→P.182)

- HUD on/off

Select to enable/disable the head-up display.

- “HUD Brightness/Position”

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

- “HUD Driving Support”

Select to change the items displayed on the head-up display.

- “HUD Rotation”

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

■ RSA (Road Sign Assist) (if equipped) (→P.333)

Select to set up the following items.

- Road Sign Assist on/off

Select to enable/disable the RSA system.

- “Notification Method”

Select to change each notification method used to notify the driver when the system recognizes excess speed, no overtaking and no-entry sign.

- “Notification Level”

Select to change each notification level used to notify the driver when the system recognizes a speed limit sign.

■ Vehicle Settings

- “Charging Settings”

Select to set up the following items.

• “Charging Schedule”

Select to register or change the charging schedule. (→P.130)

• “Charging Current”

Select to change the charging current. (→P.112)

• “Connector Lock”

Select to change the charging connector lock settings. (→P.109)

• “Battery Heater”

Select to enable/disable the battery heater. (→P.115)

• “Battery Cooler”

Select to enable/disable the battery cooler. (→P.116)

● PBD (Power Back Door) (if equipped) (→P.207)

Select to set up the following items.

• System settings

Select to enable/disable the power back door system.

• “Hands Free”*

Select to enable/disable the Hands Free Power Back Door.

• “Opening Adjustment”

Select the open position when power back door is fully open.

• “Volume”

Select to set the volume of the buzzer which sounds when the power back door system operates.

*: Vehicles with Hands Free Power Back Door

● “TPWS” (Tire Pressure Warning System) (→P.471)

• “Setting Pressure”

Select to initialize the tire pressure warning system.

• “Identify Wheel”

Select to register the ID codes of the tire pressure sensors to the tire pressure warning system.

• “Setting Unit”

Select to change the units of measure displayed.

● “Scheduled Maintenance” (→P.451)

Select to reset the scheduled maintenance information (message indicating maintenance is required and distance until the next maintenance) after all maintenance is performed.

● “Rear Seat Reminder” (→P.200)

Select to enable/disable the rear seat reminder.

■ **Settings**

● “Language”

Select to change the language on the multi-information display.

● “Units”

Select to change the units of measure displayed.

● “Meter Type”

Select to change the speedometer display.

● EV (EV indicator) (→P.82)

Select to enable/disable the EV indicator.

● (Driving information display settings)

Select to set up the following items.

• “Hybrid System”

Select to enable/disable the ECO Accelerator Guidance (→P.173).

• “Fuel Economy”

Select to change the display on Fuel Economy (→P.172).

• “Power Consumption”

Select to change the display on Power Consumption (→P.172).

● (Audio settings) (if equipped)

Select to enable/disable screen.

● (Vehicle information display settings)

• “Display Contents”

Select to set up the following items.

“Energy monitor”:

Select to enable/disable the Energy monitor (→P.187)

“AWD”:

Select to enable/disable the AWD system display (→P.176).

• “Drive Info Type”

Select to change the drive information type display between trip and total. (→P.176).

• “Drive Info Items”

Select to set the items on the upper and lower side of the drive information screen from three items, average speed, distance and total time.

● “Closing Display”

Select to set the items displayed when the power switch is turned off.

● “Pop-Up Display” (if equipped)

Select to enable/disable the following pop-up displays, which may appear in some situations.

• Intersection guidance display of the navigation system-linked system (if equipped)

• Incoming call display of the hands-free phone system (if equipped)

• Audio operation (if equipped)

• Volume operation (if equipped)

• Voice control (if equipped)

● “Calender”

Select to set up the calender.

This can only be set if GPS calibration of clock is turned off in the multimedia system settings.

● “MID OFF”

A blank screen is displayed.

● “Default Settings”

Select to reset the meter display settings.

■ Suspension of the settings display

● In the following situations, operation of the settings display will be temporarily suspended.

• When a warning message appears on the multi-information display

• When the vehicle begins to move

● Settings for functions not equipped to the vehicle are not displayed.

● When a function is turned off, the related settings for that function are not selectable.

WARNING

■ Cautions during setting up the display

As the hybrid system needs to be operating during setting up the 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.

Warning message display

Select to display warning messages and measures to be taken if a malfunction is detected. (→P.523)

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 enable the power back door (if equipped)

If the power back door system is disabled on the ⚙ screen and the power back door switch on the instrument panel is operated, a suggestion message will be displayed asking if you wish to enable the power back door system. To enable the power back door system, select “Yes”.

After enabling the power back door system, press the power back door switch again to open or close the power back door.

■ Suggestion to turn on the headlights

If the headlight switch is in other than or AUTO, and the vehicle speed is 3 mph (5 km/h) or higher for a certain amount of time when the surroundings are dark, a suggestion message will be displayed.

■ Suggestion to turn off the headlights

If the headlights are left on for a certain amount of time after the power switch has been turned off, a suggestion message will be displayed.

When the headlight switch is in the AUTO position: The message asking if you wish to turn the headlights off is displayed. To turn the headlights off, select “Yes”.

If the driver’s door is opened after the power switch is turned off, this suggestion message will not be displayed.

■ Customization

The suggestion function can be turned on/off. (Customizable fea-

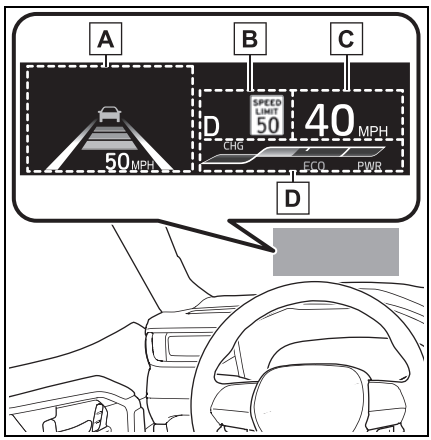
tures: →P.570)

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



Illustrations used in this text are intended as examples, and may differ from the image that is actually displayed by the head-up display.

A Driving support system information/navigation system-linked display area (if equipped) (→P.185)

B Shift position display area/RSA (Road Sign Assist) display area (if equipped) (→P.285, 333)

C Vehicle speed display

D Hybrid System Indica-

tor/tachometer (→P.186)

■ **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.

■ **Street name display (vehicles with navigation system)**

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

WARNING

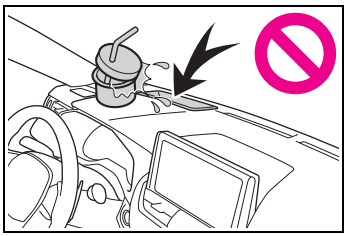
■ **When using the head-up display**

- 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

Vehicle settings and the content displayed on the head-up display can be changed by using the meter control switches.

1 Operate ◁ or ▷ of the meter control switches and select ⚙ on the multi-information display.

2 Operate △ or ▽ of the meter control switches and select “HUD Main” to set up the following items.

■ Enabling/disabling the head-up display

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

■ Changing the head-up display settings

Press and hold OK to display the setting screen and 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 content

Select to change the display between the following:

- No content
- Hybrid System Indicator
- Tachometer

Select to enable/disable the following items:

- Route guidance to destination (if equipped)
- Driving support system information display
- Compass (if equipped)
- Audio system operation status (if equipped)

● 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 ⚙ screen of the multi-information display. Also, it is automatically adjusted according to the ambient brightness.

⚠ WARNING

■ Caution for changing settings of the head-up display

If the hybrid system is operating when changing the display settings, 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/navigation system-linked display area (if equipped)

Driving support system information display

Displays the operational status of the following systems:

- LTA (Lane Tracing Assist) (→P.323)
- Dynamic radar cruise control with full-speed range (→P.336)

Displayed content is the same as that displayed on the multi-information display. For details, refer to the explanations of each 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
- Compass

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.

- PCS (Pre-Collision System) (→P.315)
- Brake Override System (→P.259)
- Drive-Start Control (→P.259)
- Parking Support Brake function (static objects) (if equipped) (→P.368)

Displayed content is the same as that displayed on the multi-information display. For details, refer to the explanations of each system.

/ icons

Displays the following multi-information display linked icons:

: Master warning icon

Displayed when a warning message is displayed on the multi-information display.

: Information icon

Displayed when a suggestion/advice pop-up display is displayed on the multi-information display.

Warning message

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

Displayed content is the same as

that displayed on the multi-information display. For details, refer to the explanations of each system.

■ **Audio system operation status (if equipped)**

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

■ **Hands-free system status (if equipped)**

Displayed when the hands-free system is operated.

■ **Outside temperature display**

Displayed when the power switch is turned to ON or when the low outside temperature indicator is flashing.

■ **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.

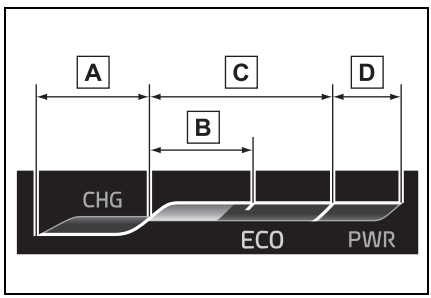
■ **Outside temperature display**

- When the ambient temperature is approximately 3°C (37°F) or lower, ❄ will flash for approximately 10 seconds and the outside temperature display will turn off.
- In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change:
  - When stopped (including when using “My Room Mode”), 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.

Hybrid System Indicator/Tachometer

Display content selected by “HUD Driving Support” on the ⚙ screen is displayed. (→P.184)

■ **Hybrid System Indicator**



A Charge area

B Hybrid Eco area

C Eco area

D Power area

Displayed content is the same as that displayed on the meter (Hybrid System Indicator).

For details, refer to P.167.

■ **Tachometer**

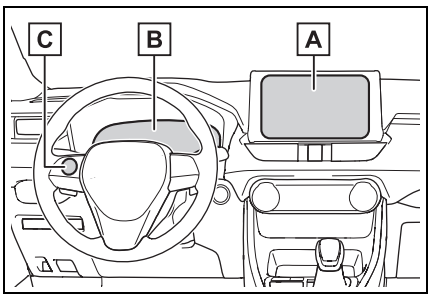
Displays the engine speed in revolutions per minute.

Energy monitor/consumption screen

You can view the status of your vehicle on the multi-information display and the audio system screen*.

*: For navigation system or multimedia system

System components



A Audio system screen

B Multi-information display

C Meter control switches (→P.171)

Energy monitor

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

■ **Display**

▶ Multi-information display

Press ❮ or ❯ of the meter control switches on the steering wheel and select , and then press ^ or v to select the energy monitor display.

▶ Audio or Audio Plus (vehicles without Data Communication Module)

1 Press the “MENU” button.

2 Select “Info” on the “Menu” screen.

If a screen other than “Energy monitor” is displayed, select “Energy”.

▶ Audio or Audio Plus (vehicles with Data Communication Module)/Premium Audio

1 Press the “MENU” button.

2 Select “Info” on the “Menu” screen.

3 Select “ECO” on the “Information” screen.

If a screen other than “Energy monitor” is displayed, select “Energy”.

■ **Reading the display**

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

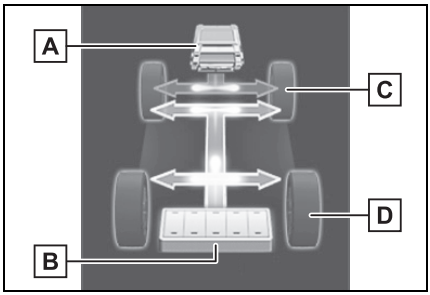
The color of the arrows will change as follows

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

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

Red: When the gasoline engine is in use.

▶ Multi-information display



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

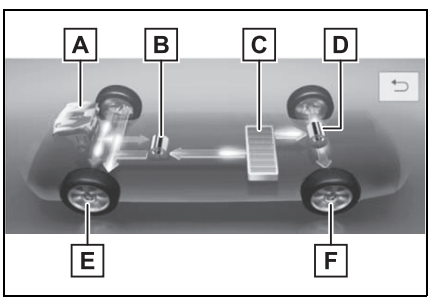
A Gasoline engine

B Hybrid battery (traction battery)

C Front tire

D Rear tire

▶ Audio system screen (except when charging)



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

A Gasoline engine

B Front electric motor (traction motor)

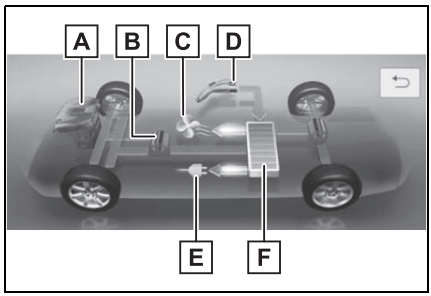
C Hybrid battery (traction battery)

D Rear electric motor (traction motor)

E Front tire

F Rear tire

▶ Audio system screen (when charging)



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

A Gasoline engine

B Front electric motor (traction motor)

C Air conditioning system operation*1

D Charging connector

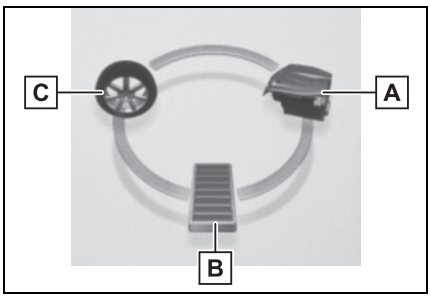
E Power outlet (120 VAC) (if equipped)*2

F Hybrid battery (traction battery)

*1: The icon is displayed when the air conditioning system is operating.

*2: The icon is displayed when the power outlet is in use.

▶ Audio system screen (“Home” screen)



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

A Gasoline engine

B Hybrid battery (traction battery)

C Tire

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

It will be green 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)**

- The buzzer sounds intermittently when the hybrid battery (traction battery) remains without charging while the shift lever is in N, or the remaining charge amount drops below a certain level. If the remaining charge amount drops further, the buzzer sounds continuously.
- When a warning message is shown on the multi-information display and the buzzer sounds, follow the instructions displayed on the screen to perform troubleshooting.

■ **Color of the gasoline engine on the audio system screen**

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

Consumption

■ Display

▶ Audio or Audio Plus (vehicles without Data Communication Module)

1 Press the “MENU” button.

2 Select “Info” on the “Menu” screen.

3 Select “Trip information” or “History”.

▶ Audio or Audio Plus (vehicles with Data Communication Module)/Premium Audio

1 Press the “MENU” button.

2 Select “Info” on the “Menu” screen.

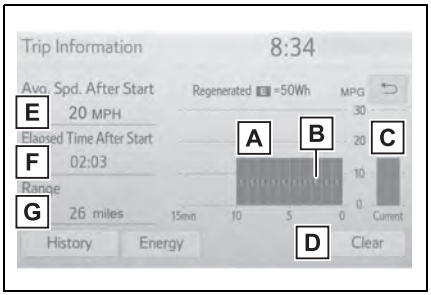
3 Select “ECO” on the “Information” screen.

4 Select “Trip information” or “History”.

■ Trip information

If a screen other than “Trip information” is displayed, select “Trip information”.

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



A Fuel consumption in the past 15 minutes

B Regenerated energy in the past 15 minutes

One symbol indicates 50 Wh. Up to 5 symbols are shown.

C Current fuel consumption

D Resetting the consumption data

E Average vehicle speed since the hybrid system was started

F Elapsed time since the hybrid system was started

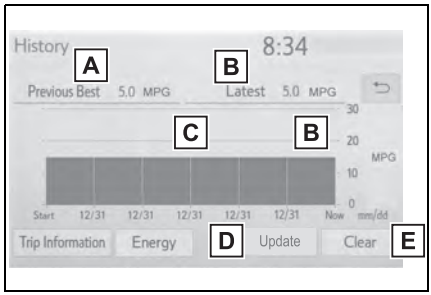
G Cruising range (→P.191)

Average fuel consumption for the past 15 minutes is divided by color into past averages and averages attained since the power switch was last turned to ON. Use the displayed average fuel consumption as a reference.

■ History

If a screen other than “History” is displayed, select “History”.

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



A Best recorded fuel consumption

B Latest fuel consumption

C Previous fuel consumption record

- Audio and Audio Plus:

Displays the daily average fuel consumption. (Instead of the date, “Trip 1” through “Trip 5” will be displayed.)

- Premium Audio:

Displays the daily average fuel consumption.

D Updating the latest fuel consumption data

E Resetting the history data

The average fuel consumption history is divided by color into past averages and the average fuel consumption since the last time updated. Use the displayed average fuel consumption as a reference.

■ 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”.

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.

4-1. Key information

Keys 194

4-2. Opening, closing and locking the doors

Side doors 198

Back door 203

Smart key system 217

4-3. Adjusting the seats

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Driving position memory 227

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4-4. Adjusting the steering wheel and mirrors

Steering wheel 232

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Outside rear view mirrors 244

4-5. Opening, closing the windows and moon roof

Power windows 246

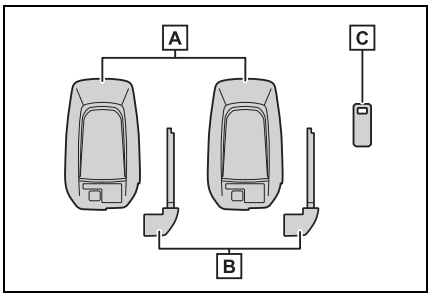
Moon roof 249

Panoramic moon roof .. 252

Keys

Key types

The following keys are provided with the vehicle.



A Electronic keys

- Operating the smart key system (→P.217)
- Operating the wireless remote control function (→P.196)

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 displayed on the multi-information display when the hybrid system stops.
- 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.218)
- 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.
  - The smart key system or the wireless remote control does not operate.
  - The detection area becomes smaller.
  - The LED indicator on the key surface does not turn on.

You can replace the battery by yourself (→P.493). 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 3 ft. (1 m) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Table lamps
  - Induction cookers
- If the electronic key is near the vehicle for longer than necessary, even if the smart key system is not operated, the key battery may become depleted faster than normal.

■If a message regarding the state of the electronic key or power switch mode, etc. is shown

To prevent trapping the electronic key inside the vehicle, leaving the vehicle carrying the electronic key

on your person without turning the power switch to OFF or other passengers from unintentionally taking the key out of the vehicle, etc., a message that prompts the user to confirm the state of the electronic key or power switch mode may be shown on the multi-information display. In those cases, follow the instructions on the display immediately.

If "Key Battery Low Replace Key Battery" is displayed on the multi-information display

The electronic key has a low battery. Replace the electronic key battery. (→P.493)

Replacing the battery

→P.493

Confirmation of the registered key number

The number of keys already registered to the vehicle can be confirmed. Ask your Toyota dealer for details.

If "A New Key has been Registered Contact Your Dealer for Details" is displayed 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 electronic 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 3.9 in. (10 cm) or more away from electric appliances that are turned on. Radio waves emitted from electric appliances within 3.9 in. (10 cm) of the electronic key may interfere with the key, causing the key to not function properly.

In case of a smart key system malfunction or other key-related problems

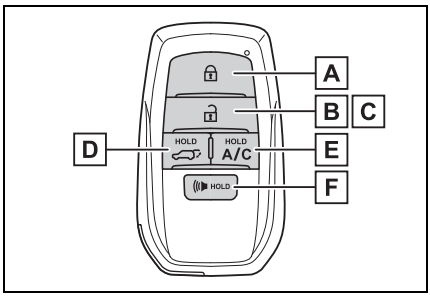
→P.537

When an electronic key is lost

→P.536

Wireless remote control

The electronic keys are equipped with the following wireless remote control:



A Locks all the doors (→P.198)

B Unlocks all the doors (→P.198)

C Opens the side windows*1 and the moon roof*1, 2 or panoramic moon roof*1, 2 (→P.198)

D Opens and closes the power back door*2 (→P.207)

E Operates Remote Air Conditioning System (→P.405)

F Sounds the alarm (→P.196)

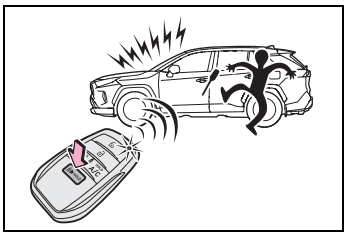
*1: These settings must be customized at your Toyota dealer.

*2: If equipped

■ Theft deterrent panic mode

When ((is pressed for longer than about 1 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 operation

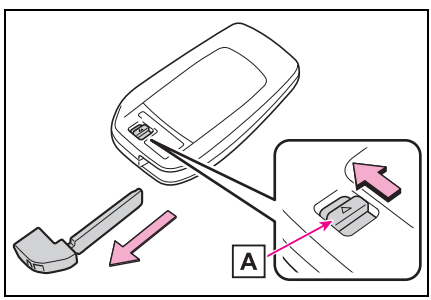
→P.218

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.537)



■ **If you lose your mechanical keys**

→P.536

■ **If a wrong key is used**

The key cylinder rotates freely to isolate inside mechanism.

Side doors

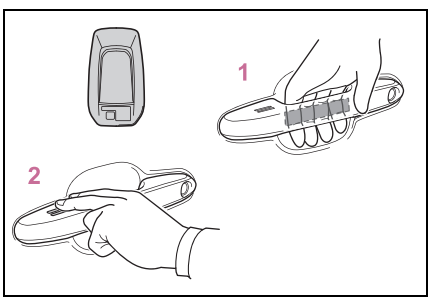
The vehicle can be locked and unlocked using the entry function, wireless remote control, door lock switches or inside lock buttons.

Charging port lid and charging connector will also be locked and unlocked. (→P.107)

Unlocking and locking the doors from the outside

■ Using the entry function

Carry the electronic key to enable this function.



1 Grip the driver's door handle to unlock the door. Holding the driver's door handle for approximately 2 seconds unlocks all the doors.
Grip the front passenger's door handle or rear door handle (some models) to unlock all the doors*.

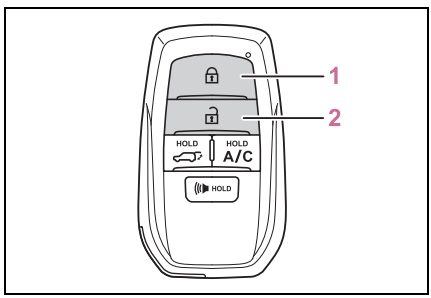
Make sure to touch the sensor on the back of the handle.
The doors cannot be unlocked for 3 seconds after the doors are locked.

*: The door unlock settings can be changed. (→P.198)

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

Check that the door is securely locked.

■ Using the wireless remote control



1 Locks all the doors

Check that the door is securely locked.

2 Unlocks all the doors

Pressing the button unlocks the driver's door. Pressing the button again within 5 seconds unlocks the other doors.

Press and hold to open the side windows and moon roof (if equipped) or panoramic moon roof (if equipped).*

*: This setting must be customized at your Toyota dealer.

■ Switching the door unlock function

It is possible to set which doors the entry function unlocks using the wireless remote control. Perform the switching operation in the vehicle or

within approximately 3.2 ft. (1 m) of the vehicle.

1 Turn the power switch to 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
Exterior: Beeps 3 times	Holding the driver's door handle unlocks only the driver's door.
	Holding the passenger's door handle or pressing the back door opener switch unlocks all the doors.
Exterior: Beeps twice	Holding a door handle or pressing the back door opener switch unlocks all the doors.

Vehicles with alarm: 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 60 seconds after is pressed, the doors will be locked again and the alarm will automatically be set.)

In a case that the alarm is triggered, immediately stop the alarm. (→P.73)

■ 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

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

Side windows and moon roof (if equipped) or panoramic moon roof (if equipped): A buzzer sounds to indicate that the side windows and moon roof or panoramic moon roof are operating.

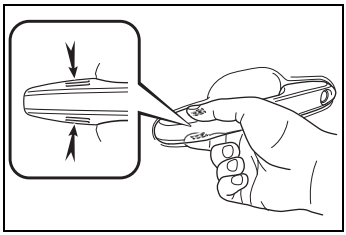
■ Security feature

If a door is not opened within approximately 60 seconds after the vehicle is unlocked, the security feature automatically locks the vehicle again. (However, depending on the location of the electronic key, the key may be detected as being in the vehicle. In this case, vehicle may be unlocked.)

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

If the door will not lock even when the topside sensor area is touched, try touching both the topside and underside sensor areas at the same time.

When gloves are being worn, remove the gloves.



Door lock buzzer

If an attempt to lock the doors using the smart key system is made when a door other than the door you are locking is open, a buzzer sounds continuously for 5 seconds. Fully close all the doors, and lock the vehicle once more.

Setting the alarm (if equipped)

Locking the doors will set the alarm system. (→P.73)

Conditions affecting the operation of the smart key system or wireless remote control

→P.218

If the smart key system or the wireless remote control does not operate properly

- Use the mechanical key to lock and unlock the doors. (→P.537)
- Replace the key battery with a new one if it is depleted. (→P.493)

If the 12-volt battery is discharged

The doors cannot be locked and unlocked using the smart key system or wireless remote control. Lock or unlock the doors using the mechanical key. (→P.537)

Rear seat reminder function

- In order to remind you not to forget luggage, etc. in the rear seat, when the power switch is turned to 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 10 minutes after opening and closing a rear door.
  - A rear door has been opened and closed after the hybrid system was started.

  However, if a rear door is opened and then closed within approximately 2 seconds, the rear seat reminder function may not operate.
- The rear seat reminder function determines that luggage, etc. has been placed in a rear seat based on opening and closing of a rear door. Therefore, depending on the situation, the rear seat reminder function may not operate and you may still forget luggage, etc. in the rear seat, or it may operate unnecessarily.
- The rear seat reminder function can be enabled/disabled. (→P.569)

Customization

Settings (e.g. unlocking function using a key) can be changed. (Customizable features: →P.573)

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 could be 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 handle of the doors while driving. Be especially careful for the front doors, as the doors may be opened even if the inside lock buttons are in locked position.

WARNING

- Set the rear door child-protector locks when children are seated in the rear seats.

When opening or closing a door

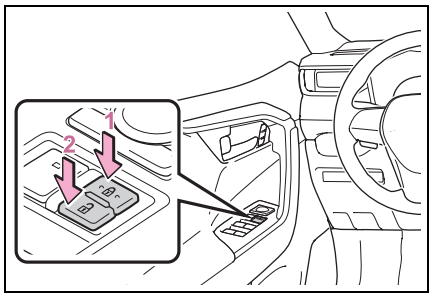
Check the surroundings of the vehicle such as whether the vehicle is on an incline, whether there is enough space for a door to open and whether a strong wind is blowing. When opening or closing the door, hold the door handle tightly to prepare for any unpredictable movement.

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

Operate the power window, moon roof 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 side window, moon roof or panoramic moon roof. Also, do not allow children to operate the wireless remote control, key or mechanical key. It is possible for children and other passengers to get caught in the side window, moon roof or panoramic moon roof.

Unlocking and locking the doors from the inside

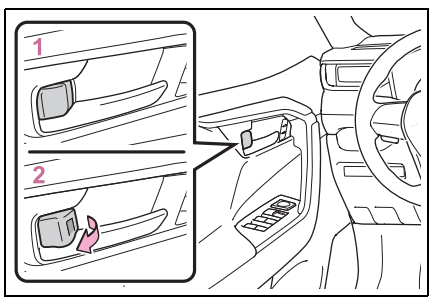
Using the door lock switches



1 Locks all the doors

2 Unlocks all the doors

Using the inside lock buttons



1 Locks the door

2 Unlocks the door

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

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

vehicle.

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

■ **Open door warning buzzer**

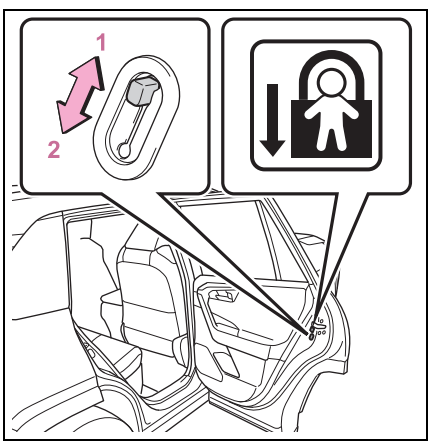
If the vehicle speed reaches 3 mph (5 km/h), a buzzer sounds to indicate that the door(s) or the hood is not fully closed.
The open door(s) or hood is displayed on the multi-information display.

■ **When all the doors are locked with the entry function or wireless remote control**

- The doors cannot be unlocked with the door lock switch.
- The door lock switches can be reset by unlocking all the doors with the entry function or wireless remote control.

Rear door child-protector lock

The door cannot be opened from inside the vehicle when the 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.569.

Function	Operation
Speed linked door locking function	All doors are automatically locked when vehicle speed is approximately 12mph (20 km/h) or higher.
Shift position linked door locking function	All doors are automatically locked when shifting the shift lever to position other than 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 within approximately 45 seconds after turning the power switch off.

Back door

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

Charging port lid and charging connector will also be locked and unlocked. (→P.107)

WARNING

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

■ Before driving

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

■ Important points while driving

- Keep the back door closed while driving.
  If the back door is left open, it may hit near-by objects or luggage in the luggage compartment may be thrown out, causing an accident.
- Never let anyone sit in the luggage compartment.
  In the event of sudden braking, sudden swerving or a collision, they are susceptible to death or serious injury.

■ Back door handles

Do not hang any object to the back door handles.
If any object is hung, the back door may suddenly shut, causing parts of the body to be caught, resulting in death or serious injury.

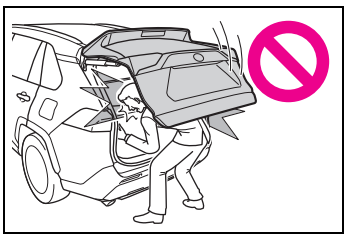
■ Operating the back door

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

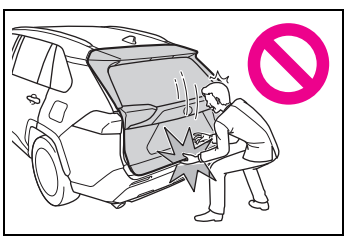
- Remove any heavy loads, such as snow and ice, from the back door before opening it. Failure to do so may cause the back door to suddenly shut again after it is opened.
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity,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

WARNING

- Vehicles without power back door: The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.



- Vehicles with power back door: The back door may suddenly shut if it is not opened fully, while on a steep incline. Make sure that the back door is secured before using the luggage compartment.
- When closing the back door, take extra care to prevent your fingers, etc. from being caught.

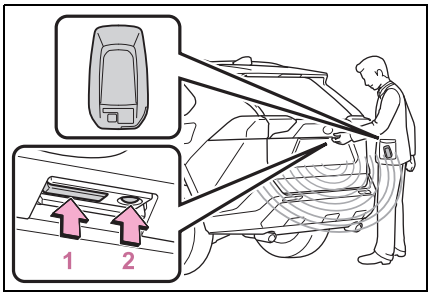


- Vehicles without power back door: When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.
- Vehicles without power back door: Do not pull on the back door damper stay (→P.206) to close the back door, and do not hang on the back door damper stay.
  Doing so may cause hands to be caught or the back door damper stay to break, causing an accident.
- Vehicles with power back door: Do not pull on the back door spindle (→P.214) to close the back door, and do not hang on the back door spindle.
  Doing so may cause hands to be caught or the back door spindle to break, causing an accident.
- Vehicles without power back door: If a bicycle carrier or similar heavy object is attached to the back door, it may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Toyota part is recommended.

Unlocking and locking the back door from the outside

■ Using the entry function

Carry the electronic key to enable this function.



1 Unlocks all the doors

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

2 Locks all the doors

Check that the door is securely locked.

■ Using the wireless remote control

→P.198

■ Operation signals

→P.199

■ Security feature

→P.199

Unlocking and locking the back door from the inside

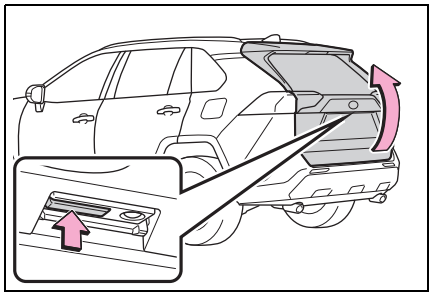
■ Using the door lock switches

→P.201

Opening/closing the back door (vehicles without power back door)

■ Open

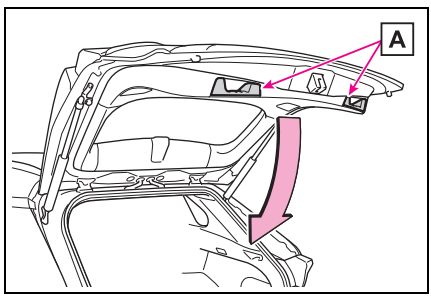
Raise the back door while pressing up the back door opener switch.



■ Close

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

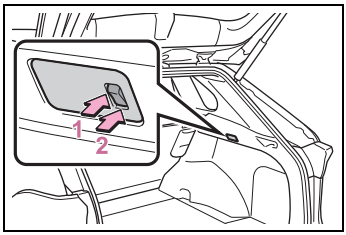
Be careful not to pull the back door sideways when closing the back door with the handle.



■ Luggage compartment light

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

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



1 On

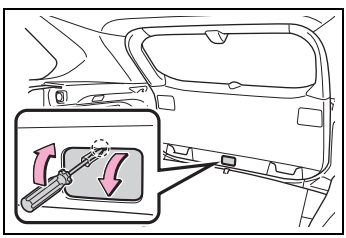
2 Off

■If the back door opener is inoperative

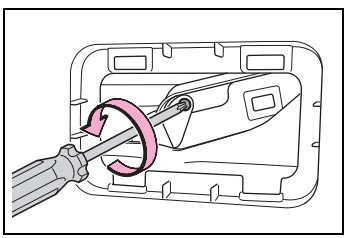
The back door can be unlocked from the inside.

1 Remove the cover.

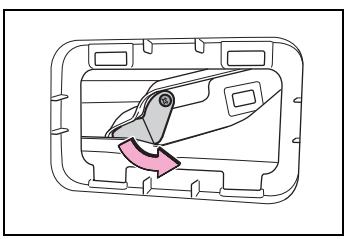
To prevent damage, cover the tip of the screwdriver with a rag.



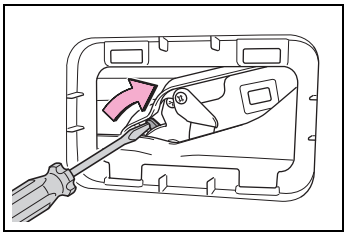
2 Loosen the screw.



3 Turn the cover.



4 Move the lever.



5 When installing, reverse the steps listed.

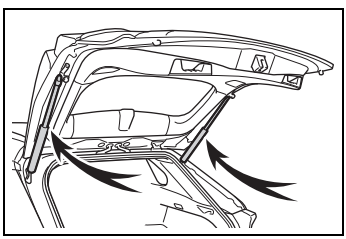
■Open door warning buzzer

→P.202

NOTICE

■Back door damper stays

The back door is equipped with damper stays that hold the back door in place.
Observe the following precautions.
Failure to do so may cause damage to the back door damper stay, resulting in malfunction.



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

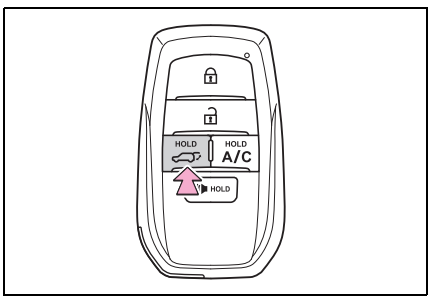
Opening/closing the back door (vehicles with power back door)

■ Using the wireless remote control

Press and hold the switch.

The power back door automatically opens/closes.

Pressing the switch while the power back door is opening/closing stops the operation. When the switch is pressed and held again during the halted operation, the back door will perform the reverse operation.



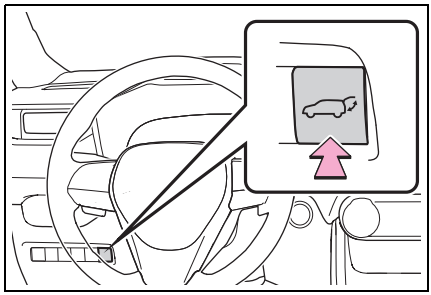
■ Using the power back door switch on the instrument panel

Press and hold the switch.

The power back door automatically opens/closes.

Unlock the back door before operating.

Pressing the switch while the power back door is opening/closing stops the operation. When the switch is pressed and held again during the halted operation, the back door will perform the reverse operation.



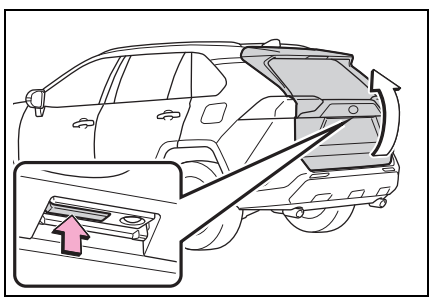
■ Using the back door opener switch

When the back door is unlocked: Press the back door opener switch.

When the back door is locked: While carrying the electronic key on your person, press and hold the back door opener switch.

The power back door automatically opens.

Pressing the switch while the power back door is opening/closing stops the operation.



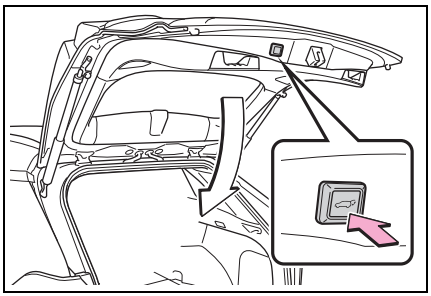
■ Using the power back door switch on the back door

Press the switch.

The power back door automatically closes.

Pressing the switch while the power back door is operating will stop the operation.

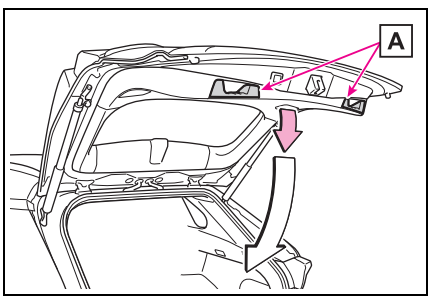
When the switch is pressed again during the halted operation, the back door will perform the reverse operation.



■ Using the back door handles

Lower the back door using the back door handle A .

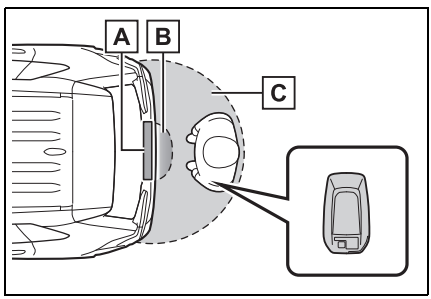
The back door closing assist (→P.210) will be activated, and the power back door will fully close automatically.



■ Using the kick sensor (vehicles with Hands Free Power Back Door)

The Hands Free Power Back Door enables automatic opening and closing of the power back door by putting your foot near the lower center part of the rear bumper and moving it away from the rear bumper. When operating the Hands Free Power Back Door, make sure that the power switch is in OFF, the Hands Free Power Back Door operation is enabled (→P.177) and you are carrying an electronic key.

1 While carrying an electronic key, stand within the smart key system operation range, approximately 11.8 to 19.7 in. (30 to 50 cm) from the rear bumper.



A Kick sensor

B Hands Free Power Back Door operation detection area

C Smart key system operation detection area (→P.217)

2 Perform a kick operation by moving your foot to within approximately 3.9 in. (10 cm) of the rear bumper and then pulling it back.

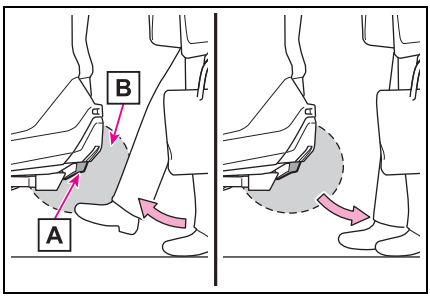
Perform the entire kick operation within 1 second.

The back door will not start operating while a foot is detected under the rear bumper.

Operate the Hands Free Power

Back Door without contacting the rear bumper with your foot.

If another electronic key is in the cabin or luggage compartment, it may take slightly longer than normal for the operation to occur.



A Kick sensor

B Hands Free Power Back Door operation detection area

3 When the kick sensor detects that your foot is pulled back, a buzzer will sound and the back door will automatically fully open/close.

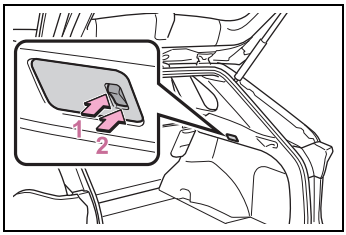
If a foot is moved under the rear bumper while the back door is opening/closing, the back door will stop moving.

If a foot is moved under the rear bumper again during the halted operation, the back door will perform the reverse operation.

■ Luggage compartment light

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

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



1 On

2 Off

■ Back door closer

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

Whatever the state of the power switch, the back door closer operates.

■ Power back door operating conditions

The power back door can automatically open and close under the following conditions:

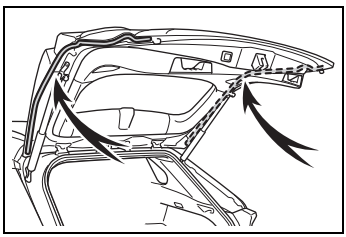
- When the power back door system is enabled. (→P.177)
- When the power switch is in ON, in addition to the above for the opening operations, the back door operates for any of the following conditions:
  - Parking brake is engaged
  - The brake pedal is depressed
  - The shift lever is in P.

■ Operation of the power back door

- A buzzer sounds and the emergency flashers flash twice to indicate that the back door is opening/closing.
- When the power back door system is disabled, the power back door does not operate but it can be opened and closed by hand.
- When the power back door automatically opens, if an abnormality due to people or objects is detected, operation will stop.

■ Jam protection function

Sensors are equipped on both sides of the power back door. If anything obstructs the power back door while it is closing, the back door will automatically operate in the opposite direction or stop.



■ Fall-down protection function

While the power back door is opening automatically, applying excessive force to it will stop the opening operation to prevent the power back door from suddenly shutting.

■ Back door closing assist

If the back door is lowered manually when the back door is stopped at an open position, the back door will fully close automatically.

■ Back door reserve lock function

This function is a function which reserves locking of all doors, beforehand, when the power back door is open.

When the following procedure is performed, all the doors except the power back door are locked and then power back door will also be locked at the same time it is closed.

1. Close all doors, except the back door.
2. During the power back door closing operation, lock the doors using the smart key system from the side doors (→P.198) or the wireless remote control. (→P.198)

Operation signals will indicate that all the doors have been closed and locked (→P.199).

- If the electronic key is placed inside the vehicle after starting a close operation via the door reserve lock function, the electronic key may become locked inside the vehicle.
- If the power back door does not fully close due to the operation of the jam protection function, etc., while the back door is automatically closing after a door reserve lock operation is performed, the door reserve lock function is canceled and all the doors will unlock.
- Before leaving the vehicle, make sure that all the doors are closed and locked.

■ Hands Free Power Back Door operating conditions (vehicles with Hands Free Power Back Door)

The Hands Free Power Back Door will open/close automatically when the following conditions are met:

- The Hands Free Power Back Door operation is enabled (→P.177)
- The power switch is in OFF.
- The electronic key is within the operational range. (→P.217)
- A foot is put near the lower center part of the rear bumper and moved away from the rear bumper.
  The power back door may also be operated by putting a hand, an elbow, a knee, etc. near the lower center part of the rear bumper and moving it away from the rear bumper. Make sure to put it close enough to the center part of the rear bumper.

■ Situations in which the Hands Free Power Back Door may not operate properly (vehicles with Hands Free Power Back Door)

In the following situations, the Hands Free Power Back Door may not operate properly:

- When a foot remains under the rear bumper

- If the rear bumper is strongly hit with a foot or is touched for a while

If the rear bumper has been touched for a while, wait for a short time before attempting to operate the Hands Free Power Back Door again.

- When operated while a person is too close to the rear bumper
- When an external radio wave source interferes with the communication between the electronic key and the vehicle (→P.218)
- When charging from an external power source or connecting the AC charging cable
- When the vehicle is parked near an electrical noise source which affects the sensitivity of the Hands Free Power Back Door, such as a pay parking spot, gas station, electrically heated road, or fluorescent light
- When the vehicle is near a TV tower, electric power plant, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When a large amount of water is applied to the rear bumper, such as when the vehicle is being washed or in heavy rain
- When mud, snow, ice, etc. is attached to the rear bumper
- When the vehicle has been parked for a while near objects that may move and contact the rear bumper, such as plants
- When an accessory is installed to the rear bumper

If an accessory has been installed, turn the Hands Free Power Back Door operation setting off.

■ **Preventing unintentional operation of the Hands Free Power Back Door (vehicles with Hands Free Power Back Door)**

When an electronic key is in the operation range, the Hands Free Power Back Door may operate unintentionally, so be careful in the following situations.

- When a large amount of water is applied to the rear bumper, such as when the vehicle is being washed or in heavy rain
- When dirt is wiped off the rear bumper
- When a small animal or small object, such as a ball, moves under the rear bumper
- When an object is moved from under the rear bumper
- If someone is swinging their legs while sitting on the rear bumper
- If the legs or another part of someone's body contacts the rear bumper while passing by the vehicle
- When the vehicle is parked near an electrical noise source which affects the sensitivity of the Hands Free Power Back Door, such as a pay parking spot, gas station, electrically heated road, or fluorescent light
- When the vehicle is near a TV tower, electric power plant, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When the vehicle is parked in a place where objects such as plants are near the rear bumper
- If luggage, etc. is set near the rear bumper
- If accessories or a vehicle cover is installed/removed near the rear bumper
- When the vehicle is being towed

To prevent unintentional operation,

turn the Hands Free Power Back Door operation setting off. (→P.177)

■When reconnecting the 12-volt battery

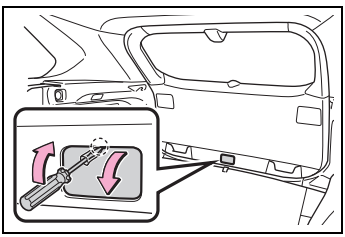
To enable the power back door to operate properly, close the back door manually.

■If the back door opener is inoperative

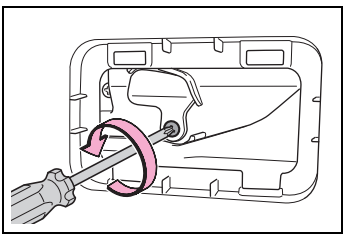
The back door can be unlocked from the inside.

1 Remove the cover.

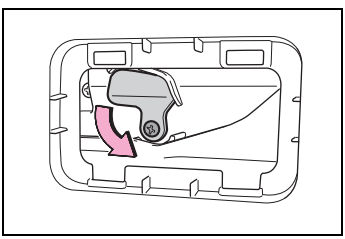
To prevent damage, cover the tip of the screwdriver with a rag.



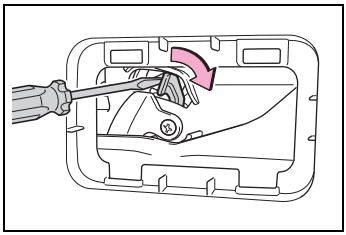
2 Loosen the screw.



3 Turn the cover.



4 Move the lever.



5 When installing, reverse the steps listed.

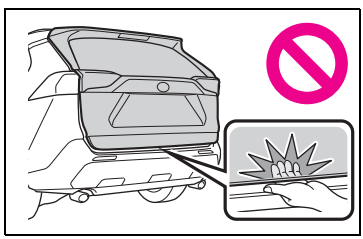
■Customization

Settings (e.g. power back door opening angle) can be changed. (Customizable features: →P.575)

⚠ WARNING

■Back door closer

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



- Use caution when using the back door closer as it still operates when the power back door system is canceled.

WARNING

■ Power back door

Observe the following precautions when operating the power back door.
Failure to do so may cause death or serious injury.

- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- If the power back door system is turned off while the back door is operating automatically, the automatic operation is stopped. The back door then has to be operated manually. Take extra care when on an incline, as the back door may open or close unexpectedly.
- If the operating conditions of the power back door are no longer met, a buzzer may sound and the back door may stop opening or closing. The back door then has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
- On an incline, the back door may suddenly shut after it opens. Make sure the back door is fully open and secure.
- In the following situations, the power back door may detect an abnormality and automatic operation may be stopped. In this case, the back door has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
  - When the back door contacts an obstacle
  - When the 12-volt battery voltage suddenly drops, such as when the power switch is turned to ON or the hybrid system is started during automatic operation
- If a bicycle carrier or similar heavy object is attached to the back door, the power back door may not operate, causing itself to malfunction, or the back door may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Toyota part is recommended.

■ Jam protection function

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

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the back door fully closes. Be careful not to catch fingers or anything else.
- The jam protection function may not work depending on the shape of the object that is caught. Be careful not to catch fingers or anything else.

WARNING

■ Hands Free Power Back Door (if equipped)

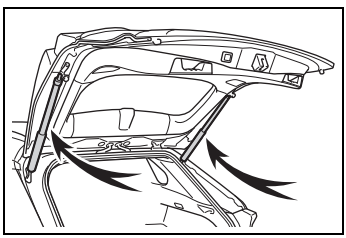
Observe the following precautions when operating the Hands Free Power Back Door.
Failure to do so may cause death or serious injury.

- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.
- When putting your foot near the lower center part of the rear bumper and moving it from the rear bumper, be careful not to touch the exhaust pipes until they have cooled down sufficiently, as touching hot exhaust pipes can cause burns.
- Do not leave the electronic key within the effective range (detection area) of the luggage compartment.

NOTICE

■ Back door spindles

The back door is equipped with spindles that hold the back door in place.
Observe the following precautions.
Failure to do so may cause damage to the back door spindle, resulting in malfunction.



- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the spindle rod.
- Do not attach any accessories other than genuine Toyota parts to the back door.
- Do not place your hand on the spindle or apply lateral forces to it.

■ To prevent back door closer malfunction

Do not apply excessive force to the back door while the back door closer is operating. Applying excessive force may cause the back door closer to malfunction.

■ To prevent damage to the power back door

- Make sure that there is no ice between the back door and frame that would prevent movement of the back door. Operating the power back door when excessive load is present on the back door may cause a malfunction.

NOTICE

- Do not apply excessive force to the back door while the power back door is operating.
- Take care not to damage the sensors (installed on the right and left edges of the power back door) with a knife or other sharp object. If the sensor is disconnected, the power back door will not close automatically.

Hands Free Power Back Door precautions (if equipped)

The kick sensor is located behind lower center part of the rear bumper. Observe the following to ensure that the Hands Free Power Back Door function operates properly:

- Keep the lower center part of the rear bumper clean at all times.
  If the lower center part of the rear bumper is dirty or covered with snow, the kick sensor may not operate. In this situation, clean off the dirt or snow, move the vehicle from the current position and then check if the kick sensor operates.
  If it does not operate, have the vehicle inspected by your Toyota dealer.
- Do not apply coatings that have a rain clearing (hydrophilic) effect, or other coatings, to the lower center part of the rear bumper.
- Do not park the vehicle near objects that may move and contact the lower center part of the rear bumper, such as grass or trees.
  If the vehicle has been parked for a while near objects that may move and contact the lower center part of the rear bumper, such as grass or trees, the kick sensor may not operate. In this situation, move the vehicle from the current position and then check if the kick sensor operates. If it does not operate, have the vehicle inspected by your Toyota dealer.
- Do not subject the kick sensor or its surrounding area to a strong impact.
  If the kick sensor or its surrounding area has been subjected to a strong impact, the kick sensor may not operate properly. If the kick sensor does not operate in the following situations, have the vehicle inspected by your Toyota dealer.
  - The kick sensor or its surrounding area has been subjected to a strong impact.
  - The lower center part of the rear bumper is scratched or damaged.
- Do not disassemble the rear bumper.
- Do not attach stickers to the rear bumper.
- Do not paint the rear bumper.
- If a bicycle carrier or similar heavy object is attached to the power back door, disable the Hands Free Power Back Door. (→P.177)

Changing settings of the power back door system (vehicles with power back door)

The settings of the power back door system can be changed by selecting the “Vehicle Settings” from the ⚙ screen of the multi-information display and displaying the “PBD” screen. (→P.177)

The changed power back door settings are not reset by turning the power switch to OFF. In order to restore the original settings, they need to be changed back on the ⚙ screen of the multi-information display.

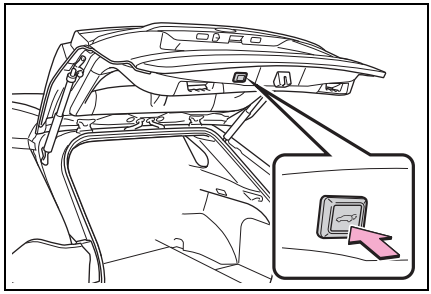
Adjusting the open position of the back door (vehicles with power back door)

The open position of the power back door can be adjusted.

1. Stop the back door in the desirable position. (→P.207)
2. Press and hold the power back door switch on the back door for approximately 2 seconds.

When the settings are completed, the buzzer sounds 4 times.

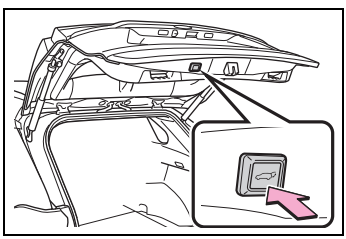
When opening the back door the next time, the back door will stop at that position.



■ Canceling the adjusted open position of the back door

Press and hold the power back door switch on the back door for approximately 7 seconds.

After the buzzer sounds 4 times, it sounds twice more. When the power back door does the opening operation the next time, the door will open to the initial settings position.



■ Customization

The opening position can be set with the multi-information display. (→P.177)

Priority for the stop position is given to the last position set by either the power back door switch on the back door or multi-information display.

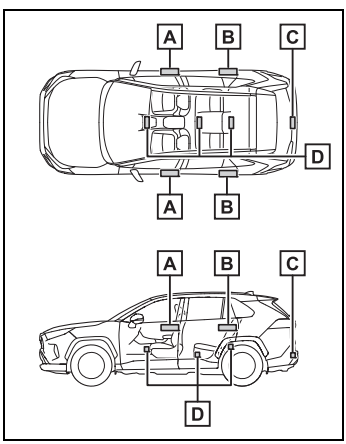
Smart key system

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

- Locks and unlocks the doors* (→P.198)
- Locks and unlocks the back door* (→P.204)
- Starts the hybrid system (→P.279)

*: Charging port lid and charging connector will also be locked and unlocked. (→P.107)

Antenna location



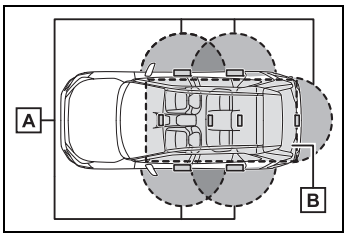
A Antennas outside the cabin (front)

B Antennas outside the cabin (rear) (if equipped)

C Antenna outside the luggage compartment

D Antennas inside the cabin

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 2.3 ft. (0.7 m) of the front door handles, rear door handles (if equipped) and back door opener switch. (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.

If an alarm sounds or a warning message is displayed

An alarm sounds and warning message displays shown on the multi-information display are used to protect against unexpected accidents or theft of the vehicle resulting from erroneous operation. When a warning message is displayed, take appropriate measures based on the displayed message.

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

●When an exterior alarm 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.

●When an interior alarm pings 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 to OFF and 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 in operation for a long time.

●In the following situations, the smart key system may take some time to unlock the doors.
- The electronic key has been left in an area of approximately 11.5 ft. (3.5 m) of the outside of the vehicle for 2 minutes or longer.
- The smart key system has not been used for 5 days or longer.

●If the smart key system has not been used for 14 days or longer, the doors cannot be unlocked at any doors except the driver's door. In this case, take hold of the driver's door handle, or use the wireless remote control or the mechanical key, to unlock the doors.

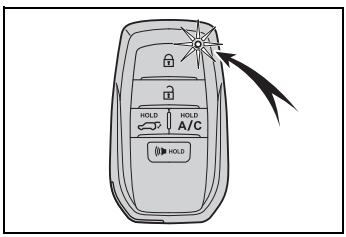
■**Turning an electronic key to battery-saving mode**

●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 key system cannot be used. To cancel the function, press any of the electronic key buttons.



●Electronic keys that will not be used for long periods of time can be set to the battery-saving mode in advance.

■**Conditions affecting operation**

The smart key system uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart key system, wireless remote control and immobilizer system from operating properly.

●When the electronic key battery is depleted

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

●When the electronic key is in contact with, or is covered by the fol-

lowing 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 key (that emits radio waves) is 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 key 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.196)

If the hybrid system cannot be started using the smart key system, refer to P.538.

■ **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 on the instrument panel, luggage cover or floor, or in the door pockets or glove box when the hybrid system is started or power switch modes are changed.

● Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.

● As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to lock or unlock the vehicle. (For vehicles equipped with sensors on the rear door handles, it is possible to lock (but not unlock) all the doors using a door handle that is not being detected by the electronic key.)

● 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 if a large amount of water splashes on the door handle, such as in the rain or in a car wash when the electronic key is within the effective range. (The doors will automatically be locked after approximately 60 seconds if the doors are not opened and closed.)

- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- Touching the door lock sensor while wearing gloves may delay or prevent lock operation. Remove the gloves and touch the lock sensor again.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.
- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:
  - Place the electronic key in a location 6 ft. (2 m) 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 key system. (→P.218)
- 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, or use the lock sensor on the lower part of the door handle.
- A sudden approach to the effective range or door handle may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.
- 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 6 ft. (2 m) of the vehicle.
- The smart key system can be deactivated in advance. (→P.574)
- Battery-saving mode can reduce the power consumption of electronic keys. (→P.218)

■To operate the system properly

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

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

■If the smart key system does not operate properly

- Locking and unlocking the doors: Use the mechanical key. (→P.537)
- Starting the hybrid system: →P.538

■Customization

Settings (e.g. smart key system) can be changed.
(Customizable features: →P.573)

If the smart key system has been deactivated in a customized setting, refer to the explanations for the following operations.

- Locking and unlocking the doors: Use the wireless remote control or

mechanical key. (→P.198, 537)

- Starting the hybrid system and changing power switch modes: →P.538
- Stopping the hybrid system: →P.281

■ **Certification for the smart key system**

▶ For vehicles sold in the U.S.A. and Hawaii

FCC ID: NI4TMLF19D-1

NOTE

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

FCC WARNING

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

FCC ID:HYQ23ABN
FCC ID:HYQ14FBX

NOTE:

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

FCC WARNING:

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

<For 14FBX>

The FCC ID is affixed inside the equipment. You can find the ID when replacing the battery.

▶ For vehicles sold in Canada

NOTE

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

NOTE

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

<For 14FBX>

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

NOTE:
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.
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(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

<Pour 14FBX>
Le numéro d'accréditation IC est apposé à l'intérieur de l'appareil. Ce numéro est visible au remplacement de la pile.

WARNING

■ **Caution regarding interference with electronic devices**

- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should keep away from the smart key system antennas. (→P.217) 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.
- User 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.

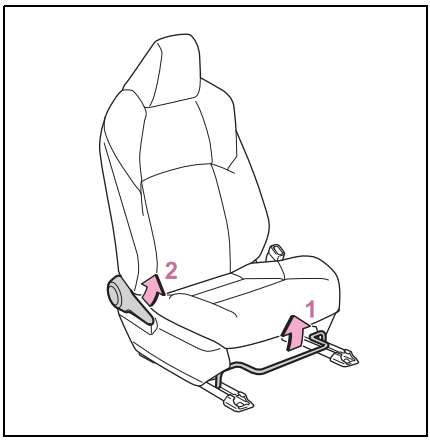
Ask your Toyota dealer for details for disabling the entry function.

Front seats

The seats can be adjusted (longitudinally, vertically, etc.). Adjust the seat to ensure the correct driving posture.

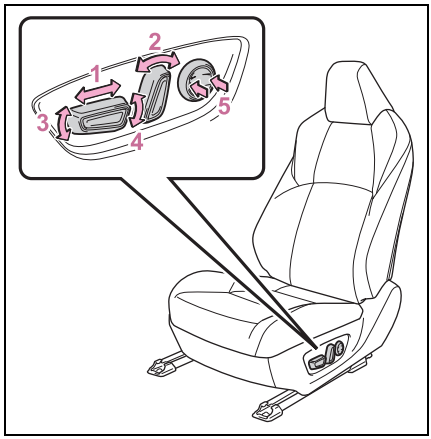
Adjustment procedure

▶ Manual seat



1 Seat position adjustment lever
2 Seatback angle adjustment lever

▶ Power seat



1 Seat position adjustment switch
2 Seatback angle adjustment switch
3 Seat cushion (front) angle adjustment switch (driver's side only)
4 Vertical height adjustment switch (driver's side only)
5 Lumbar support adjustment switch (driver's side only)

■When adjusting the seat

Take care when adjusting the seat so that the head restraint does not touch the ceiling.

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.

WARNING

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

■ Seat adjustment

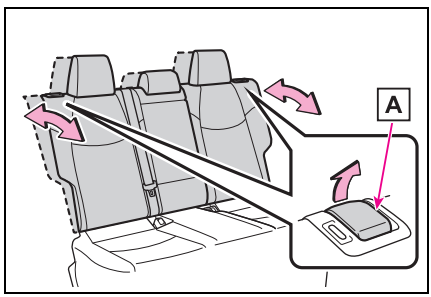
To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.
If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death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

Rear seats

Reclining adjustments and folding the seatbacks can be done with lever operation.

Adjustment procedure

Pull the seatback angle adjustment lever A , and adjust the seatback angle.



WARNING

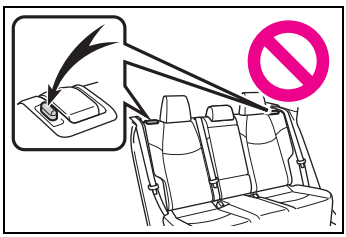
■ When operating the seatback

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

- Keep other passengers from being hit with the seatback.
- Do not bring your hands close to the moving parts or between the seats, as well as do not let any part of your body get caught.

WARNING

- After adjusting the seat, make sure that the seat is locked in position.
  If the seatback is not securely locked, the red marking will be visible. Make sure that the red marking is not visible.



Folding down the rear seatbacks

■ Before folding down the seatbacks

1 Park the vehicle in a safe place.

Apply the parking brake (→P.290) and shift the shift lever to P. (→P.286)

2 Adjust the position of the front seat and the angle of the seatback. (→P.224)

Depending on the position of the front seat, if the seatback is folded backward, it may interfere with the operation of the rear seat.

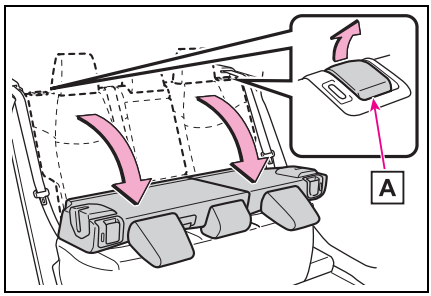
3 Lift up and push down the head restraints of the rear outboard seats, and lower the head restraint of the rear center seat. (→P.230)

4 Stow the armrest of the rear seat if it is pulled out. (→P.434)

This step is not necessary when operating the left side seat only.

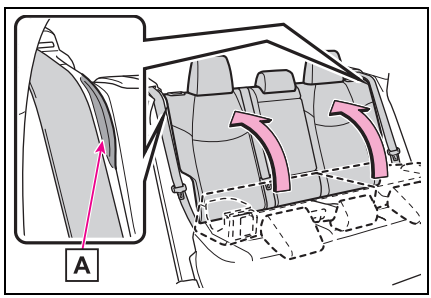
■ Folding down the seatbacks

While pulling the seatback angle adjustment lever A , fold the seatback down.



■ Returning the rear seatbacks

To avoid trapping the seat belt between the seat and the inside of the vehicle, pass the seat belt outside the seat belt guide A and then return the seatback securely to the locked position.



WARNING

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

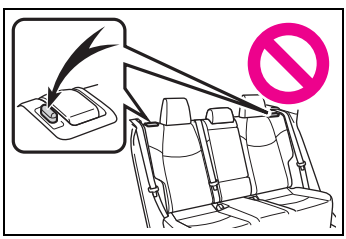
WARNING

■ **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 luggage compartment while driving.
- Do not allow children to enter the luggage compartment.
- Do not operate the rear seat if it is occupied.
- Be careful not to get feet or hands caught in the moving parts or joints of the seats during operation.
- Do not allow children to operate the seat.

■ **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. If the seatback is not securely locked, the red marking will be visible. Make sure that the red marking is not visible.



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

Driving position memory*

*: If equipped

This feature automatically adjusts the driver's seat to suit your preferences.

Your preferred driving position (the position of the driver's seat) can be recorded and recalled by pressing a button.

Two different driving positions can be recorded into memory.

Each electronic key can be registered to recall your preferred driving position.

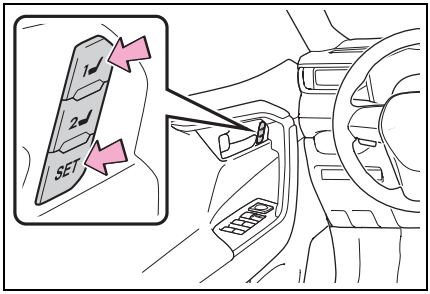
Recording/recalling a driving position

■ **Recording procedure**

1. Check that the shift lever is in P.
2. Turn the power switch to ON.
3. Adjust the driver's seat 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 overwrit-

ten.

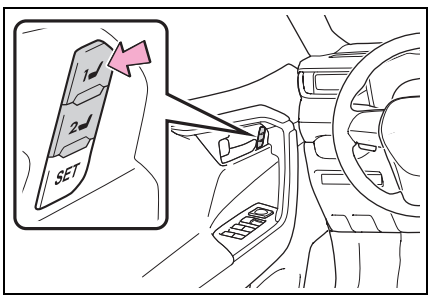


■ Recall procedure

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:

- Press the “SET” button.
- Press button “1” or “2”.
- Operate any of the seat adjustment switches.

■ Seat positions that can be memorized (→P.224)

The adjusted positions other than the position adjusted by lumbar support switch can be recorded.

■ Operating the driving position memory after turning the power switch to 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.

■ 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.

■ When recalling the driving position

Take care when recalling the driving position so that the head restraint does not touch the ceiling.

■ If the 12-volt battery is disconnected

The memorized positions are erased.

⚠ 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.

Registering/recalling/canceling a driving position to an electronic key (memory recall function)

■ Registering procedure

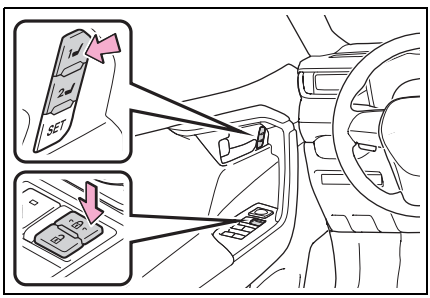
Record your driving position to button “1” or “2” before performing the following:

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.



■ **Recall procedure**

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 key system or wireless remote control.

The driving position will move to the recorded position.
If the driving position is in a position that has already been recorded, the seat will not move.

■ **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 Check that the shift lever is in P.
2 Turn the power switch to ON.
3 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**

- 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 smart key system, the driving position cannot be recalled. In this case, press the driving position button which has been set.

■ **Customization**

Settings (e.g. the unlock door settings of the memory recall function) can be customized. (Customizable features: →P.576)

Head restraints

Head restraints are provided for all seats.

WARNING

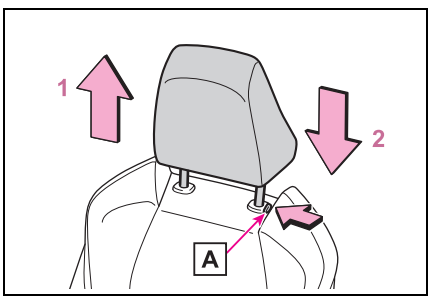
■ Head restraint precautions

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.

Vertical adjustment

■ Front seats



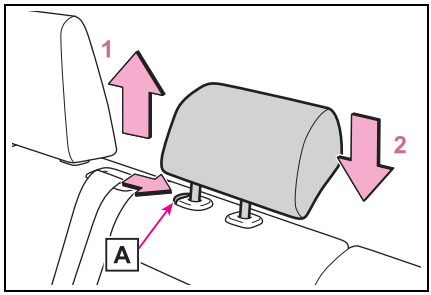
1 Up

Pull the head restraints up.

2 Down

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

■ Center rear seat



1 Up

Pull the head restraints up.

2 Down

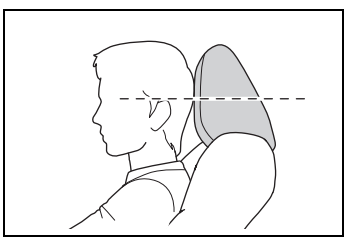
Push the head restraint down while pressing the lock release button A .

■ Outboard rear seats

Head restraints cannot be adjusted.

■ Adjusting the height of the head restraints (front seats)

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



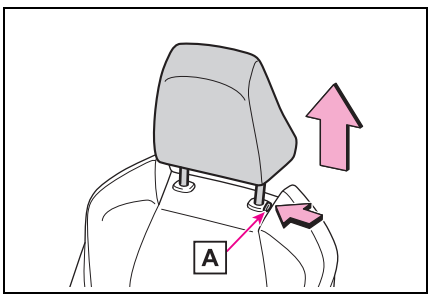
■ Adjusting the center rear seat head restraint

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

Removing the head restraints

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

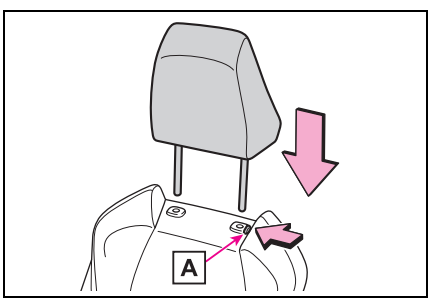
If the head restraint touches the ceiling, making the removal difficult, change the seat height or angle. (→P.224)



Installing the head restraints

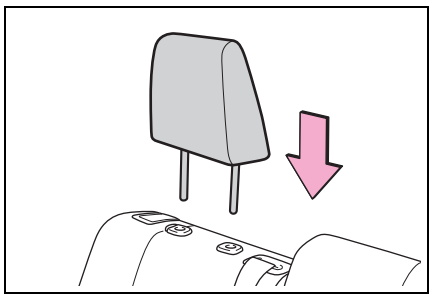
■ Front and center rear seats

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.



■ Outboard rear seats

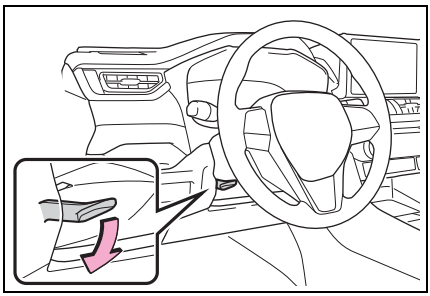
Align the head restraint with the installation holes and push it down to the lowest lock position.



Steering wheel

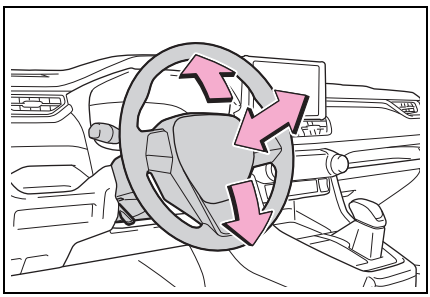
Adjustment procedure

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.



WARNING

■ Caution while driving

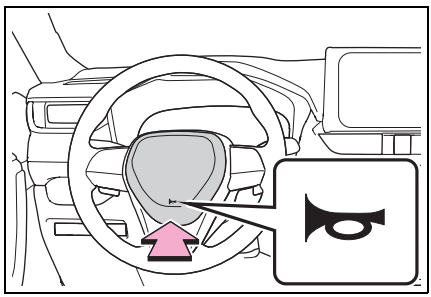
Do not adjust the steering wheel while driving.
Doing so may cause the driver to mishandle the vehicle and cause an accident, resulting in death or serious injury.

■ After adjusting the steering wheel

Make sure that the steering wheel is securely locked.
Otherwise, the steering wheel may move suddenly, possibly causing an accident, and resulting in death or serious injury. Also, the horn may not sound if the steering wheel is not securely locked.

Sounding the horn

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



Inside rear view mirror*

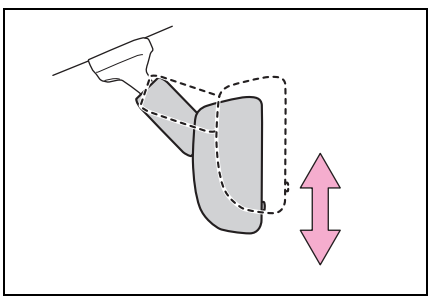
*: If equipped

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.



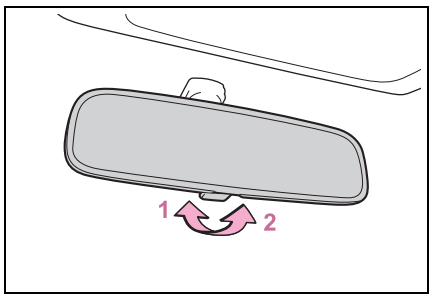
WARNING

■ 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 (vehicles with manual anti-glare inside rear view mirror)

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



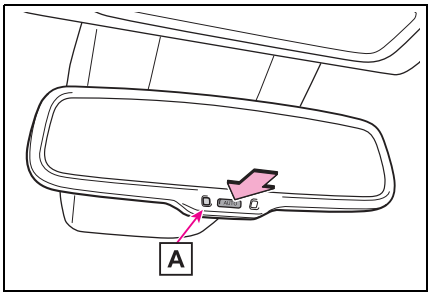
1 Normal position
2 Anti-glare position

Anti-glare function (vehicles with 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.

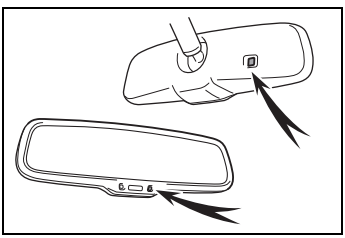
Changing automatic anti-glare function mode on/off

When the automatic anti-glare function is in ON mode, the indicator A illuminates.
The function will set to ON mode each time the power switch is turned to ON.
Pressing the button turns the function to OFF mode. (The indicator A also turns off.)



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

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



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 Rear-view Mirror**

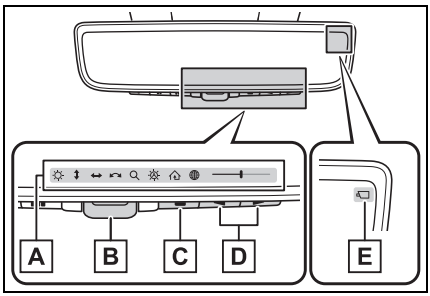
- Make sure to adjust the mirror before driving. (→P.236)
- Change to optical mirror mode and adjust the position of the Digital Rear-view Mirror so that the area behind your vehicle can be viewed properly.

WARNING

- Change to digital mirror mode and adjust the display settings.

- 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 Icon display area

Displays icons, adjusting gauge, etc. (→P.236)

B Lever

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

C Menu button

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

D Select/adjust button

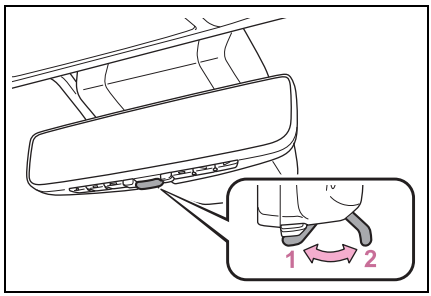
Press to change the setting of the item you want to adjust.

E Camera indicator

Indicates that the camera is operating normally.

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 Rear-view Mirror in digital mirror mode

- If it is difficult to see the displayed image due to light reflected off the Digital Rear-view Mirror, the camera being dirty or covered with water droplets, or if lights of a vehicle behind your vehicle or the displayed image are bothering you, change to optical mirror mode.

- When the back door is open, the Digital Rear-view Mirror image may not display properly. Before

driving, make sure the back door is closed.

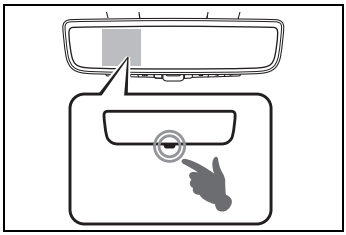
- If the display is difficult to see due to reflected light, close the sunshade for the moon roof (if equipped) or the electronic sunshade for the panoramic moon roof (if equipped).
- Any of the following conditions may occur when driving in the dark, such as at night. None of them indicates that a malfunction 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.

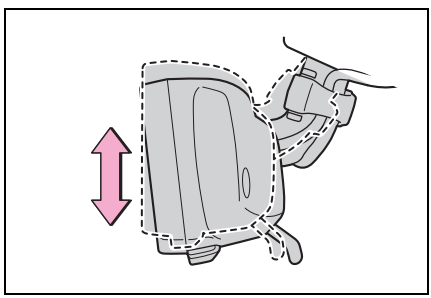


Adjusting the mirror

■ 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.

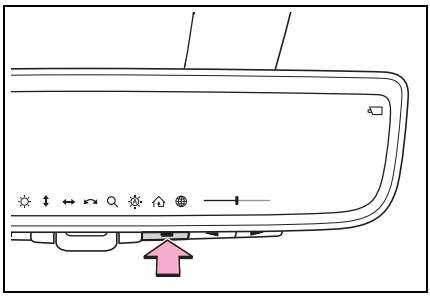


■ Display settings (digital mirror mode)

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.
	Select to display HomeLink® Training Tutorial to assist customers to train their Garage Door Opener System. (→P.437)
	Select to change the language of the Homelink® Training Tutorial.

*: 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.236

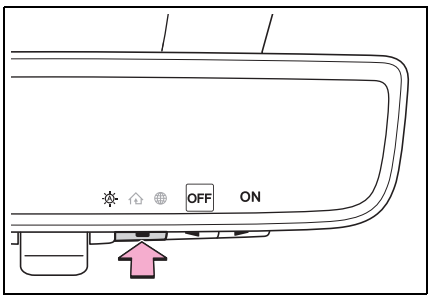
▶ When using the optical mirror mode

1 Press the menu button.

The icons will be displayed.

2 Press the menu button repeatedly and select .

The setting display will be displayed.



3 Press or to enable (ON)/disable (OFF) the automatic anti-glare function.

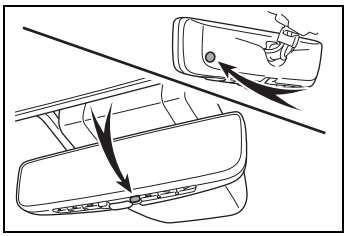
The icons will disappear if a button is not operated for approximately 5 seconds or more.

■Adjusting the display (digital mirror mode)

- 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 Rear-view Mirror will change automatically according to the brightness of the area in front of your vehicle.

■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

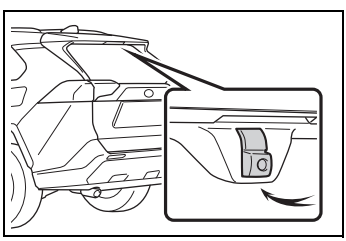
If the mirror surface is dirty, the image on the display may be difficult to see.
Clean the mirror surface gently using a soft dry cloth.

■ Cleaning the camera

If the camera lens is dirty, the displayed image may not be clear. In this case, clean it with a soft cloth dampened with water or a swab.

■ The camera

The camera for the Digital Rear-view Mirror is located as shown.



■ The cooling fan

There is a cooling fan in the Digital Rear-view Mirror. Cooling fan sounds may be heard when using the system.

NOTICE

■ To prevent the Digital Rear-view Mirror from malfunctioning

- Do not use detergents, such as thinner, benzene, and alcohol to clean the mirror. They may discolor, deteriorate or damage the mirror surface.
- Do not smoke, use matches, use cigarette lighters or allow open flames near the mirror. It may damage the mirror or cause a fire.
- Do not remove, disassemble or modify the mirror.

■ To prevent the camera from malfunctioning

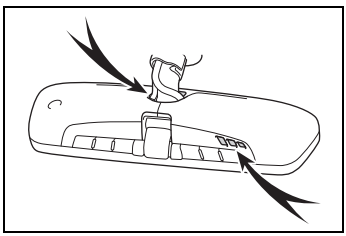
- Observe the following precautions, otherwise the Digital Rear-view Mirror may not operate properly.
  - Do not strike or hit the camera or subject it to a strong impact, as the camera installation position and angle may be changed.
  - Do not remove, disassemble or modify the camera.
  - Do not allow an organic solvent, car wax, window cleaner or glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - When cleaning the camera lens, wipe the camera lens with a damp soft cloth.
    Do not strongly rub the camera lens, as it may be scratched and will not be able to transmit a clear image.

NOTICE

- When applying colored film (including transparent film) to the rear window glass, do not apply it to the area in front of the camera.
  If film is applied to the area in front of the camera, the image from the camera may not display 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 moon roof [if equipped] or panoramic moon roof [if equipped], close the sunshade or 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.)
	Foreign matters such as water droplets or dust is on the camera lens.	Wipe the camera lens with a damp soft cloth.

Symptom	Likely cause	Solution
The image is difficult to see.	The luggage in the luggage compartment is reflected off the rear window glass and obstructing the camera.	• Change to optical mirror mode. • Move the luggage to a position where it does not obstruct the camera or cover it with a black cloth to reduce the amount it is reflected off the rear window glass.
	The rear window glass is fogged up.	Change to optical mirror mode. After defogging the rear window using the rear window defogger (→P.398), use the digital mirror mode again.
	The outside of the rear window glass is dirty.	Use the rear window wiper to remove dirt.
	The inside of the rear window glass is dirty.	Wipe the inside of rear window glass with a damp soft cloth.
The image is out of alignment.	The back door is not fully closed.	Fully close the back door.
	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.		

Symptom	Likely cause	Solution
⚠ 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 Rear-view 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.

■ Defogging the mirrors

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.398)

⚠ WARNING

■ Important points while driving

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

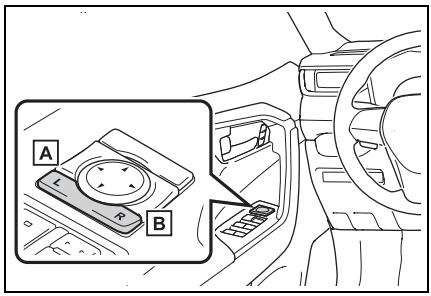
- Do not adjust the mirrors while driving.
- Do not drive with the mirrors folded.
- Both the driver and passenger side mirrors must be extended and properly adjusted before driving.

■ When the mirror defoggers are operating

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

Adjustment procedure

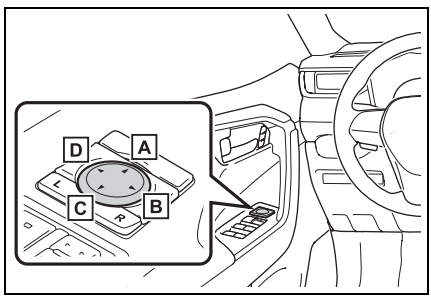
1 To select a mirror to adjust, press the switch.



A Left

B Right

2 To adjust the mirror, press the switch.



A Up

B Right

C Down

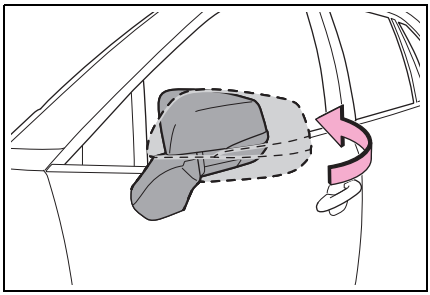
D Left

■ Mirror angle can be adjusted when

The power switch is in ACC or ON.

Folding the mirrors

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



WARNING

■ When a mirror is moving

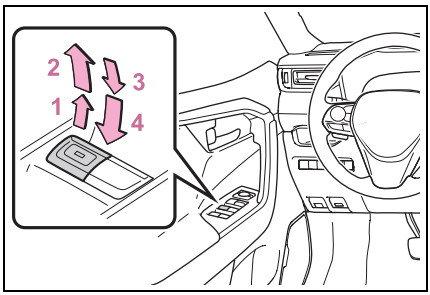
To avoid personal injury and mirror malfunction, be careful not to get your hand caught by the moving mirror.

Power windows

Opening and closing the power windows

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

Operating the switch moves the side windows as follows:



1 Closing

2 One-touch closing*

3 Opening

4 One-touch opening*

*: To stop the side 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 even 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 side window and the window frame while the side window is closing, side window movement is stopped and the side window is opened slightly.

■ Catch protection function

If an object becomes caught between the door and side window while the side window is opening, side window movement is stopped.

■ When the power window cannot be opened or closed

When the jam protection function or catch protection function operates unusually and the side window cannot be opened and 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 side window can be opened and closed.
- If the side 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 side 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 side 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 side window is completely closed, continue holding the switch for a further 1 second or more.

If you release the switch while the side window is moving, start again from the beginning.
If the side window reverses and cannot be fully closed or opened, have the vehicle inspected by your Toyota dealer.

■ Door lock linked power window operation

- The power windows can be opened and closed using the mechanical key.* (→P.538)
- The power windows can be opened using the wireless remote control.* (→P.198)
- Vehicles with alarm: The alarm may be triggered if the alarm is set and the power window is closed using the door lock linked power window operation function. (→P.73)

*: These settings must be customized at your Toyota dealer.

■ Power window open reminder function

The buzzer sounds and a message is shown on the multi-information display when the power switch is turned to OFF and the driver's door is opened with the power windows open.

■ Customization

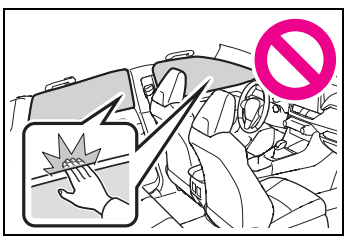
Settings (e.g. linked door lock operation) can be changed. (Customizable features: →P.576)

WARNING

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

■ Closing the power 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.248)
- 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 power 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 side window. Also, do not let a child operate the power 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 to 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 side window is fully closed. Be careful not to get any part of your body jammed in the side 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 side window is fully opened. Be careful not to get any part of your body or clothing caught in the side window.

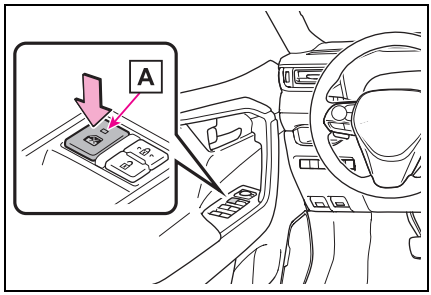
Preventing accidental operation (window lock switch)

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 window lock switch 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.

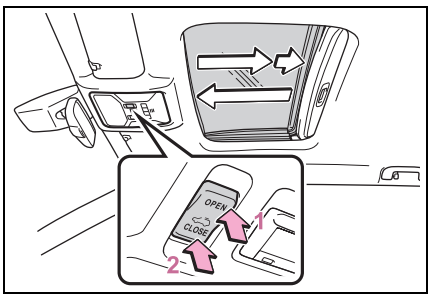
Moon roof*

*: If equipped

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

Operating the moon roof

■ Opening and closing



1 Opens the moon roof*

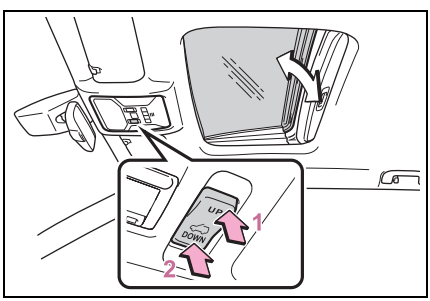
The moon roof stops slightly before the fully open position to reduce wind noise.

Press the switch again to fully open the moon roof.

2 Closes the moon roof*

*: Lightly press either side of the moon roof switch to stop the moon roof partway.

■ Tilting up and down



1 Tilts the moon roof up*

2 Tilts the moon roof down*

*: Lightly press either side of the moon roof switch to stop the moon roof partway.

■ The moon roof can be operated when

The power switch is in ON.

■ Operating the moon roof after turning the hybrid system off

The moon roof can be operated for approximately 45 seconds after the power switch is turned to ACC or OFF. It cannot, however, be operated once either front door is opened.

■ Jam protection function

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

■ Sunshade

The sunshade can be opened and closed manually. However, the sunshade will open automatically when the moon roof is opened.

■ Door lock linked moon roof operation

- The moon roof can be opened and closed using the mechanical key.* (→P.538)
- The moon roof can be opened using the wireless remote control.* (→P.198)
- Vehicles with alarm: The alarm may be triggered if the alarm is set and the moon roof is closed using the door lock linked moon roof operation function. (→P.73)

*: These settings must be customized at your Toyota dealer.

When the moon roof does not close normally

Perform the following procedure:

1 Stop the vehicle.

2 Press and hold the “CLOSE” switch.*

The moon roof will close, reopen and pause for approximately 10 seconds. Then it will close again and stop at the completely closed position.

3 Check to make sure that the moon roof is completely closed and then release the switch.

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

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

If the moon roof does not move normally

If the moon roof does not open or close normally or the automatic opening function does not operate, perform the following initialization procedure.

1 Stop the vehicle.

2 Press and hold the “DOWN” switch.*

The moon roof will stop at the tilt-up position. After that, it will open, close, tilt up, tilt down, and stop at the fully closed position.

3 Confirm that the moon roof has completely stopped and release the switch.

*: If you release the switch while the moon roof is moving, perform the procedure again from the beginning.

If, after performing the above procedures correctly, the moon roof still does not open or close normally or the automatic opening function does not operate, have the vehicle inspected by your Toyota dealer.

Moon roof open reminder function

The buzzer sounds and a message is shown on the multi-information display when the power switch is turned to OFF and the driver’s door is opened with the moon roof open.

Customization

Settings (e.g. linked door lock operation) can be changed. (Customizable features: →P.576)

WARNING

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

Opening the moon roof

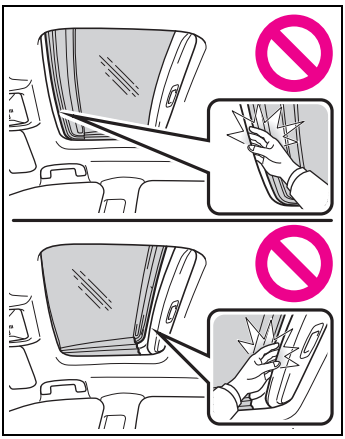
- Do not allow any passengers to put their hands or head outside the vehicle while it is moving.
- Do not sit on top of the moon roof.

Opening and closing the moon roof

- The driver is responsible for moon roof opening and closing operations.
  In order to prevent accidental operation, especially by a child, do not let a child operate the moon roof. It is possible for children and other passengers to have body parts caught in the moon roof.

WARNING

- 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 moon roof is being operated.



- When using the wireless remote control or mechanical key and operating the moon roof, operate the moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the moon roof. Also, do not let a child operate moon roof by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the moon roof.
- When exiting the vehicle, turn the power switch to OFF, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

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

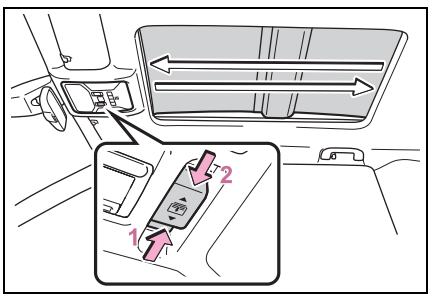
Panoramic moon roof*

*: If equipped

Use the overhead switches to operate the panoramic moon roof and electronic sunshade.

Operating the electronic sunshade and panoramic moon roof

■ Opening and closing the electronic sunshade



1 Opens the electronic sunshade*

Slide and hold the switch backward. The electronic sunshade will fully open automatically.

2 Closes the electronic sunshade*

Slide and hold the switch forward. The electronic sunshade will fully close automatically.

If the panoramic moon roof is not fully closed, it will close fully before the electronic sunshade closes.

*: Quickly slide and release the switch in either direction to stop the electronic sunshade partway.

■ Tilting the panoramic moon roof up and down

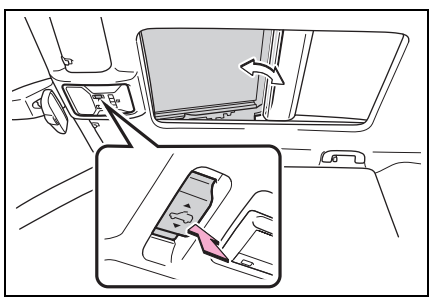
Press the switch to tilt the panoramic moon roof up.*

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.

Press and hold the switch to tilt the panoramic moon roof down.

The panoramic moon roof can be tilted down only when it is in the tilt-up position.



■ Opening and closing the panoramic moon roof

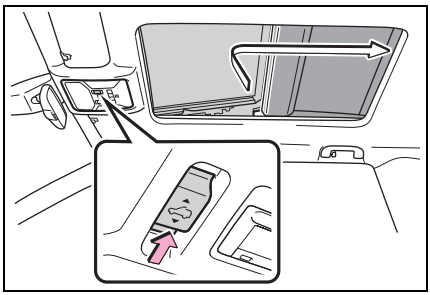
Opens the panoramic moon roof*

Slide and hold the switch

backward. The panoramic moon roof and electronic sunshade will open automatically.

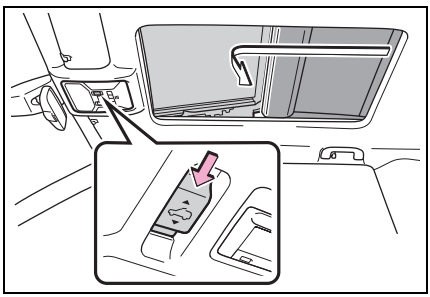
The panoramic moon roof can be opened from the tilt-up position.

*: Quickly slide and release the switch in either direction to stop the panoramic moon roof partway.



Closes the panoramic moon roof

Slide and hold the switch forward. The panoramic moon roof will fully close automatically.



■ **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 OFF. They 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.

■ **Closing both the panoramic moon roof and electronic sunshade**

Slide the 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.

■ **Door lock linked panoramic moon roof operation**

- The panoramic moon roof can be opened and closed using the mechanical key.* (→P.538)
- The panoramic moon roof can be opened using the wireless remote control.* (→P.198)
- Vehicles with alarm: 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.73)

*: These settings must be customized at your Toyota dealer.

■ **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 switch or switch forward. Continue sliding and holding 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 reminder function

A buzzer sounds and a message is shown on the multi-information display when the power switch is turned to OFF and the driver's door is opened with the panoramic moon roof open.

■ Customization

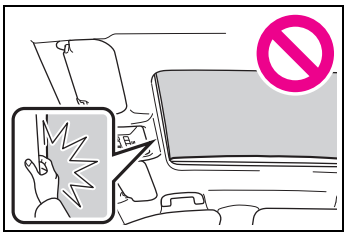
Settings (e.g. linked door lock operation) can be changed. (Customizable features: →P.576)

⚠ WARNING

Observe the following precautions.
Failure to do so may result in 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 head 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.

WARNING

- 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 to OFF, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

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

■ 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.

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Driving the vehicle

The following procedures should be observed to ensure safe driving:

Driving procedure

■ Before starting the hybrid system

Check that the AC charging cable is disconnected. (→P.123)

■ Starting the hybrid system

→P.279

■ Driving

1 With the brake pedal depressed, shift the shift lever to D. (→P.285)

2 Release the parking brake. (→P.290)

If the parking brake is in automatic mode, the parking brake is released automatically when shifting the shift lever to any position other than P. (→P.290)

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.290)

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P. (→P.285)

■ Parking the vehicle

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

2 Set the parking brake (→P.290), and shift the shift lever to P (→P.285).

3 Turn the power switch to OFF to stop the hybrid system.

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

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

■ Starting off on a steep uphill

1 With the brake pedal depressed, shift the shift lever to D. (→P.285)

2 Pull the parking brake switch and parking brake is set manually. (→P.290)

3 Release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

Parking brake automatic release function (→P.291)

■ When starting off on a uphill

The hill-start assist control will activate. (→P.381)

■ For electricity-saving and fuel-efficient driving

Understand the system characteristics of the vehicle to use the functions of the hybrid system. Also, keep in mind that hybrid vehicles are similar to conventional vehicles, and it is necessary to refrain from

activities such as sudden acceleration. Refer to “Plug-in hybrid vehicle driving tips” (→P.92).

■ **Driving in the rain**

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

■ **ECO Accelerator Guidance (→P.173)**

It is easier to drive in an Eco-friendly manner by driving while referring to the ECO Accelerator Guidance display. Also, by using the ECO Accelerator Guidance it is easier to increase the “Eco Score” evaluation.

- When starting off:
  While staying within the ECO Accelerator Guidance range, gradually depress the accelerator pedal and accelerate to the desired speed. If excessive acceleration is avoided, the “Start” score will increase.
- When driving:
  After accelerating to the desired speed, release the accelerator pedal and drive at a stable speed within the ECO Accelerator Guidance range. By keeping the vehicle within the ECO Accelerator Guidance range, the “Cruise” score will increase.
- When stopping:
  When stopping the vehicle, early releasing the accelerator pedal will cause the “Stop” score to increase.

■ **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 and head-up display (if equipped) while the system is operating. (→P.517)

■ **Restraining sudden start (Drive-Start Control)**

- When the following unusual operation is performed, the hybrid system output may be restrained.
  - When the shift lever is shifted from R to D, D to R, N to R, P to D*, or P to R* (D includes S) with the accelerator pedal depressed, a warning message appears on the multi-information display and head-up display (if equipped). If a warning message is shown on the multi-information display, read the message and follow the instructions.
  - When the accelerator pedal is depressed too much while the vehicle is in reverse.

*: Depending on the situation, the shift lever may not be changed.

- While Drive-Start Control is being activated, your vehicle may have trouble escaping from the mud or fresh snow. In such case, deactivate TRAC (→P.382) to cancel Drive-Start Control so that the vehicle may be able to escape from the mud or fresh snow.
- Drive-Start Control does not work when Trail Mode is turned on.

■ **Breaking in your new Toyota**

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

- For the first 200 miles (300 km):
  Avoid sudden stops.

● For the first 500 miles (800 km): Do not tow a trailer.

● For the first 600 miles (1000 km):
- Do not drive at extremely high speeds.
- Avoid sudden acceleration.
- Do not drive continuously in low gears.
- Do not drive at a constant speed for extended periods.

■ Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P.551)

⚠ 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.
- 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. Even though the vehicle is equipped with the Acoustic Vehicle Alerting System, drive with care as pedestrians in the vicinity may still not notice the vehicle if the surrounding area is noisy.

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

WARNING

- 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.505
- 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.285)
- Do not adjust the position of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
  Doing so may result in a loss of vehicle control.
- Always check that all passengers' arms, head or other parts of their body are not outside the vehicle.
- Do not drive in excess of the speed limit. Even if the legal speed limit permits it, do not drive over 85 mph (140 km/h) unless your vehicle has high-speed capability tires. Driving over 85 mph (140 km/h) may result in tire failure, loss of control and possible injury. Be sure to consult a tire dealer to determine whether the tires on your vehicle are high-speed capability tires or not before driving at such speeds.

When driving on slippery road surfaces

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle.
- 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 a gear other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury. Doing so can damage the transmission and may result in a loss of vehicle control.

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

Have the brake pads checked and replaced by your Toyota dealer as soon as possible.
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 vehicle is in any gear 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.

WARNING

- Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle.
- Do not leave a door or window open if the curved glass is coated with a metallized film such as a silver-colored one. Reflected sunlight may cause the glass to act as a lens, causing a fire.
- Always apply the parking brake, shift the shift lever to P, stop the 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 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.

NOTICE

- Do not use the accelerator pedal or depress the accelerator and brake pedals at the same time to hold the vehicle on a hill.

■ Avoiding damage to vehicle parts

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

■ If you get a flat tire while driving

A flat or damaged tire may cause the following situations.

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

Hold the steering wheel firmly and gradually depress the brake pedal to slow down the vehicle.

Information on what to do in case of a flat tire (→P.527)

■ When encountering flooded roads

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

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

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

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

■ 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.

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 luggage compartment**

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

- Receptacles containing gasoline
- Aerosol cans

■ **Storage precautions**

Observe the following precautions.
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 luggage compartment whenever possible.
- Do not stack anything in the luggage compartment higher than the seatbacks.
- 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 luggage cover (if equipped)
  - On the instrument panel
  - On the dashboard
- Secure all items in the occupant compartment.
- When you fold down the rear seats, long items should not be placed directly behind the front seats.
- Never allow anyone to ride in the luggage compartment. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened. Otherwise, they are much more likely to suffer death or serious bodily injury, in the event of sudden braking, sudden swerving or an accident.

Capacity and distribution

Cargo capacity depends on the total weight of the occupants.

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

Steps for Determining Correct Load Limit —

(1) Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs." on your vehicle's placard.

(2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.

(3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.

(4) The resulting figure equals the available amount of cargo and luggage load capacity.

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

(5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

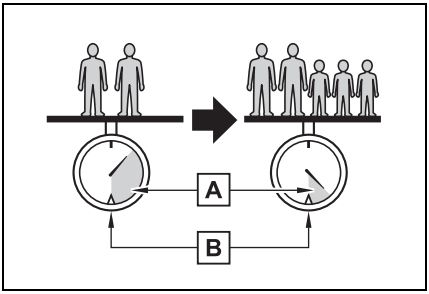
(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle. (→P.268)

WARNING

■ **Capacity and distribution**

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

Calculation formula for your vehicle



A Cargo capacity

B Total load capacity (vehicle capacity weight) (→P.550)

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

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

[*1]: A = Weight of people

[*2]: B = Total load capacity

[*3]: C = Available cargo and luggage load

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

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

[*4]: D = Additional weight of people

[*5]: E = Available cargo and luggage

load

As shown in the example above, if the number of occupants increases, the cargo and luggage load will be reduced by an amount that equals the increased weight due to the additional occupants. In other words, if an increase in the number of occupants causes an excess of the total load capacity (combined weight of occupants plus cargo and luggage load), you must reduce the cargo and luggage on your vehicle.

WARNING

■When loading cargo on the roof luggage carrier (if equipped)

Observe the following precautions:

- Place the cargo so that its weight is distributed evenly between the front and rear axles.
- If loading long or wide cargo, never exceed the vehicle overall length or width. (→P.550)
- Before driving, make sure the cargo is securely fastened on the roof luggage carrier.
- Loading cargo on the roof luggage carrier will make the center of gravity of the vehicle higher. Avoid high speeds, sudden starts, sharp turns, sudden braking or abrupt maneuvers, otherwise it may result in loss of control or vehicle rollover due to failure to operate this vehicle correctly and result in death or serious injury.
- If driving for a long distance, on rough roads, or at high speeds, stop the vehicle now and then during the trip to make sure the cargo remains in its place.
- Do not exceed 176.4 lb. (80 kg) cargo weight on the roof luggage carrier.

NOTICE

■When loading cargo on the roof luggage carrier (if equipped)

Be careful not to scratch the surface of the moon roof (if equipped) or the panoramic moon roof (if equipped).

Vehicle load limits

Vehicle load limits include total load capacity, seating capacity, TWR (Trailer Weight Rating) and cargo capacity.

- Total load capacity (vehicle capacity weight): →P.550

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

- Seating capacity: →P.550

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

- TWR (Trailer Weight Rating): →P.273, 550

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

- Cargo capacity

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

■ Total load capacity and seating capacity

These details are also described on the tire and loading information label. (→P.480)

WARNING

■ Overloading the vehicle

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

Trailer towing

Your vehicle is designed primarily as a passenger-and-load-carrying vehicle. Towing a trailer can have an adverse impact on handling, performance, braking, durability, and fuel consumption. For your safety and the safety of others, you must not overload your vehicle or trailer. You must also ensure that you are using appropriate towing equipment, that the towing equipment has been installed correctly and used properly, and that you employ the requisite driving habits.

Vehicle-trailer stability and braking performance are affected by trailer stability, brake performance and setting, trailer brakes, the hitch and hitch systems (if equipped).

To tow a trailer safely, use extreme care and drive the vehicle in accordance with your trailer's characteristics and operating conditions.

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

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

■ Before towing

Check that the following conditions are met:

- Ensure that your vehicle's tires are properly inflated. (→P.555)
- Trailer tires are inflated according to the trailer manufacturer's recommendation.
- All trailer lights work as required by law.
- All lights work each time you connect them.
- The trailer ball is set 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.

WARNING

■ Trailer towing precautions

To tow a trailer safely, use extreme care and drive the vehicle in accordance with the trailer's characteristics and operating conditions. Failure to do so could cause an accident resulting in death or serious injury. Vehicle stability and braking performance are affected by trailer stability, brake setting and performance, and the hitch. Your vehicle will handle differently when towing a trailer.

■ To avoid accident or injury

- Do not exceed the TWR, unbraked TWR, GCWR, GVWR or GAWR.
- Adjust the tongue weight within the appropriate range. Place heavier loads as close to the trailer axle as possible.
- Do not exceed 65 mph (104 km/h), the posted towing speed limit or the speed limit for your trailer as set forth in your trailer owner's manual, whichever is lowest. Slow down sufficiently before making a turn, in cross winds, on wet or slippery surface, etc. to help avoid an accident. If you experience a vehicle-trailer instability from reducing a certain speed, slow down and make sure you keep your vehicle speed under the speed of which you experience the instability.
- Do not make jerky, abrupt or sharp turns.
- Do not apply the brakes suddenly as you may skid, resulting in jackknifing and loss of vehicle control. This is especially true on wet or slippery surfaces.
- Do not exceed the trailer hitch assembly weight, gross vehicle weight, gross axle weight and trailer tongue weight capacities.
- Do not use dynamic radar cruise control with full-speed range when towing.
- Slow down and downshift before descending steep or long downhill grades. Do not make sudden downshifts while descending steep or long downhill grades.
- Vehicle-trailer instability is more likely on steep long downhills. Before descending steep or long downhill grades, slow down and downshift. Do not make sudden downshifts when 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.
- Do not tow a trailer when the compact spare tire is installed on your vehicle.

■ When towing a trailer

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

- If the gross trailer weight exceeds unbraked TWR, trailer brakes are required. Toyota recommends trailers with brakes that conform to all applicable federal and state/provincial regulations.
- Never tap into your vehicle's hydraulic system, as this will lower the vehicle's braking effectiveness.

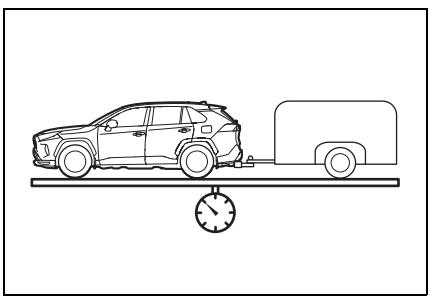
WARNING

- Never tow a trailer without using a safety chain securely attached to both the trailer and the vehicle. If damage occurs to the coupling unit or hitch ball, there is danger of the trailer wandering into another lane.

Towing related terms

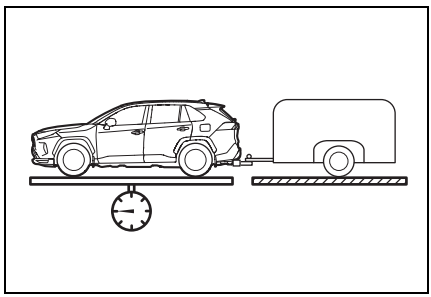
GCWR (Gross Combination Weight Rating)

The maximum allowable gross combination weight. The gross combination weight is the sum of the total vehicle weight (including the occupants, cargo and any optional equipment installed on the vehicle) and the weight of the trailer being towed (including the cargo in the trailer).



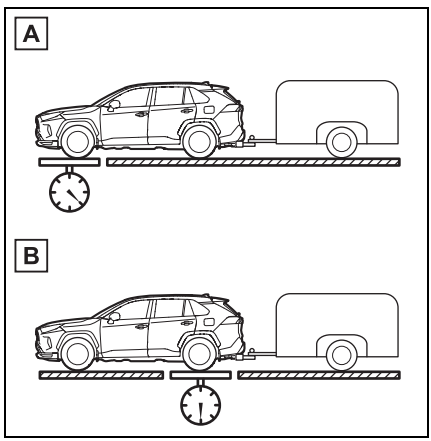
GVWR (Gross Vehicle Weight Rating)

The maximum allowable gross vehicle weight. The gross vehicle weight is the total weight of the vehicle. When towing a trailer, it is the sum of the vehicle weight (including the occupants, cargo and any optional equipment installed on the vehicle) and the tongue weight.



GAWR (Gross Axle Weight Rating)

The maximum allowable gross axle weight. The gross axle weight is the load placed on each axle (front and rear).



A Front GAWR

B Rear GAWR

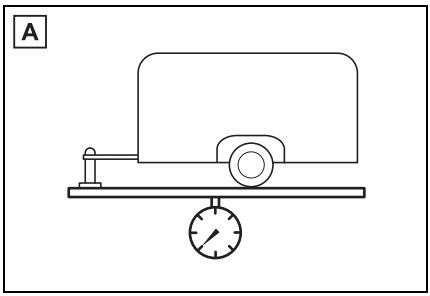
TWR (Trailer Weight Rating)

The maximum allowable gross trailer weight. The gross trailer weight is the sum of the trailer weight and the weight of the cargo in the trailer.

TWR is calculated assuming

base vehicle with one driver, one front passenger, hitch and hitch systems (if required).

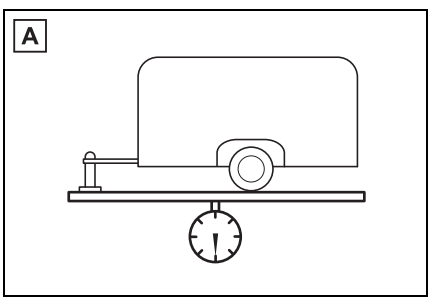
Additional optional equipment, passengers and cargo in the vehicle will reduce the trailer weight rating so as not to exceed GCWR, GVWR and GAWR.



A (With brakes)

■ **Unbraked TWR (Unbraked Trailer Weight Rating)**

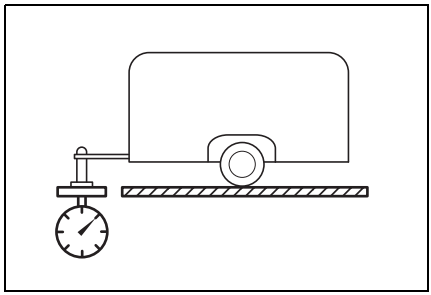
The trailer weight rating for towing a trailer without a trailer service brake system.



A (Without brakes)

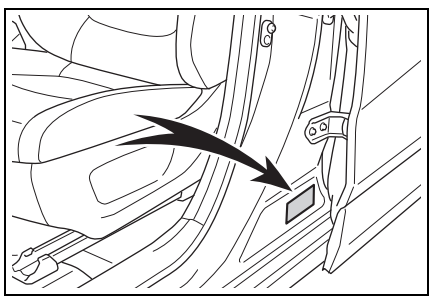
■ **Tongue Weight**

The load placed on the trailer hitch ball. (→P.273)



Weight limits

- The gross trailer weight must never exceed 2500 lb. (1135 kg).
- The gross combination weight must never exceed 8030 lb. (3645 kg).
- The gross vehicle weight must never exceed the GVWR indicated on the Certification Regulation Label.
- The gross axle weight on each axle must never exceed the GAWR indicated on the Certification Regulation Label.



- If the gross trailer weight is over the unbraked TWR, trailer service brakes are required.

GCWR, TWR and Unbraked TWR

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

■ GCWR*

8030 lb. (3645 kg)

*: This model meets the tow-vehicle trailering requirement of SAE International per SAE J2807.

■ TWR*

2500 lb. (1135 kg)

*: This model meets the tow-vehicle trailering requirement of SAE International per SAE J2807.

■ Unbraked TWR*

1000 lb. (450 kg)

*: This model meets the tow-vehicle trailering requirement of SAE International per SAE J2807.

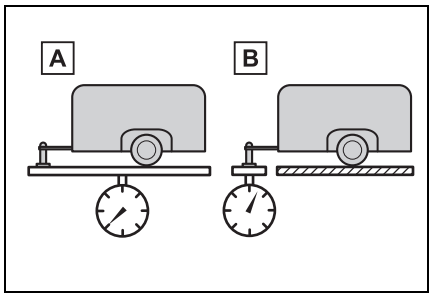
Trailer Tongue Weight

- A recommended tongue weight varies in accordance with the types of trailers or towing as described below.
- To ensure the recommended values shown below, the trailer must be loaded by referring to the following instructions.

• Tongue Weight

The gross trailer weight should be distributed so that the tongue weight is 9% to 11%.

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



A Gross trailer weight

B Tongue weight

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

Hitch

Trailer hitch assemblies have different weight capacities. Toyota recommends the use of Toyota hitch/bracket for your vehicle. For details, contact your Toyota dealer.

- If you wish to install a trailer hitch, contact your Toyota dealer.
- Use only a hitch that conforms to the gross trailer weight requirement of your vehicle.
- Follow the directions supplied

by the hitch manufacturer.

- Lubricate the hitch ball with a light coating of grease.
- Remove the hitch 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.

WARNING

■ Hitch

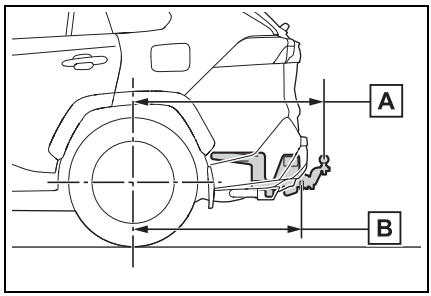
Trailer hitch assemblies have different weight capacities established by the hitch manufacturer. Even though the vehicle may be physically capable of towing a higher weight, the operator must determine the maximum weight rating of the particular hitch assembly and never exceed the maximum weight rating specified for the trailer-hitch. Exceeding the maximum weight rating set by the trailer-hitch manufacturer can cause an accident resulting in death or serious personal injuries.

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.

Positions for towing hitch receiver and hitch ball

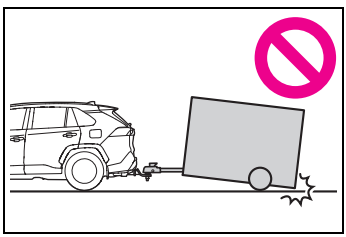


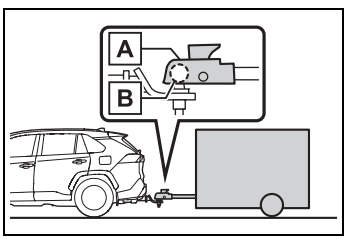
A Weight carrying ball position: 43.3 in. (1100 mm)

B Hitch receiver pin hole position: 38.1 in. (969 mm)

■ Matching trailer ball height to trailer coupler height

No matter which class of tow hitch applies, for a more safe trailer hookup, the trailer ball setup must be the proper height for the coupler on the trailer.





A Coupler

B Trailer ball

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.

NOTICE

■ Do not directly splice trailer lights

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. Help to avoid an accident, death or serious injury, keep the following in mind when towing:

- Speed limits for towing a trailer vary by state or province. Do not exceed the posted towing speed limit.
- Toyota recommends that the vehicle-trailer speed limit is 65 mph (104 km/h) on a flat, straight, dry road. Do not exceed this limit, the posted towing speed limit or the speed limit for your trailer as set forth in your trailer owner's manual, whichever is lowest. Instability of the towing vehicle-trailer combination (trailer sway) increases as speed increases. Exceeding speed limits may cause loss of control.
- Before starting out, check the trailer lights, tires 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-trailer combination.
- Reversing with a trailer attached is difficult and requires practice. Grip the bottom of the steering wheel and move your hand to the left to move the trailer to the left. Move your hand to the right to move the trailer to right. (This is generally opposite to reversing without a trailer attached.) Avoid sharp or prolonged turning. Have someone guide you when reversing to reduce the risk of an accident.
- As stopping distance is increased when towing a trailer, vehicle-to vehicle distance should be increased. For each 10 mph (16 km/h) of speed, allow at least one vehicle and trailer length.
- Avoid sudden braking as you may skid, resulting in the trailer jackknifing and a loss of

vehicle 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 turn.
- 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 wider than normal turning radius.
- Slow down before making a turn, in cross winds, on wet or slippery surfaces, etc.

Increasing vehicle speed can destabilize the trailer.

- Take care when passing other vehicles. Passing requires considerable distance. After passing a vehicle, do not forget the length of your trailer, and be sure you have plenty of room before changing lanes.
- To maintain engine braking efficiency, when using engine braking, do not use the transmission in D.
- Instability happens more frequently when descending steep or long downhill grades. Before descending, slow down and downshift. 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.
- Due to the added load of the trailer, your vehicle's hybrid system may overheat on hot days (at temperatures over 85°F [30°C]) when driving up a long or steep grade. If the high coolant temperature warning light indicates overheating, immediately turn off the air conditioning (if in use), pull your vehicle off the road and stop in a safe spot. (→P.544)
- Always place wheel blocks under both the vehicle's and the trailer's wheels when parking. Apply the parking brake firmly, and put the transmission in P. Avoid parking on a slope, but if unavoidable, do so only after performing the following:

1. Apply the brakes and keep them applied.
2. Have someone place wheel blocks under both the vehicle's and trailer's wheels.
3. When the wheel blocks are in place, release the brakes slowly until the blocks absorb the load.

4 Apply the parking brake firmly.

5 Shift into P and turn off the hybrid system.

● When restarting after parking on a slope:

1 With the transmission in 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.290)

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.

■ Break-in schedule

If your vehicle is new or equipped with any new power train components (such as an engine, transmission, differential or wheel bearing), Toyota recommends that you do not tow a trailer until the vehicle has been driven for over 500 miles (800 km).

After the vehicle has been driven for over 500 miles (800 km), you can start towing. However, for the next 500 miles (800 km), drive the vehicle at a speed of less than 45 mph (72 km/h) when towing a trailer, and avoid full throttle acceleration.

■ Maintenance

● If you tow a trailer, your vehicle will require more frequent maintenance due to the additional load. (See “Scheduled Maintenance Guide” or “Owner’s Manual Supplement”.)

● Retighten the fixing bolts of the towing ball and bracket after approximately 600 miles (1000 km) of trailer towing.

■ If trailer sway occurs

One or more factors (crosswinds, passing vehicles, rough roads, etc.) can adversely affect handling of your vehicle and trailer, causing instability.

● If trailer swaying occurs:
- Firmly grip the steering wheel. Steer straight ahead.
  Do not try to control trailer swaying by turning the steering wheel.
- Begin releasing the accelerator pedal immediately but very gradually to reduce speed.
  Do not increase speed. Do not apply vehicle brakes.

If you make no extreme correction with the steering or brakes, your vehicle and trailer should stabilize (if enabled, Trailer Sway Control can also help to stabilize the vehicle and trailer.).

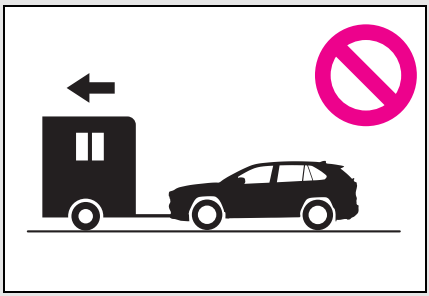
● After the trailer swaying has stopped:
- Stop in a safe place. Get all occupants out of the vehicle.
- Check the tires of the vehicle and the trailer.
- Check the load in the trailer.
  Make sure the load has not shifted.
  Make sure the tongue weight is appropriate, if possible.
- Check the load in the vehicle.
  Make sure the vehicle is not overloaded after occupants get in.

If you cannot find any problems, the speed at which trailer swaying occurred is beyond the limit of your particular vehicle-trailer combination. Drive at a lower speed to prevent instability. Remember that

swaying of the towing vehicle-trailer increases as speed increases.

Dinghy towing

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



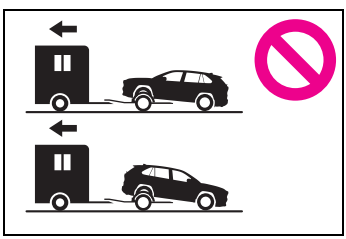
NOTICE

■ To avoid serious damage to your vehicle

Do not tow your vehicle with 4 wheels on the ground.

■ To prevent causing serious damage to the transmission and AWD system

Never tow this vehicle with any of the wheels on the ground. This may cause serious damage to the transmission and AWD system.



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 AC charging cable is disconnected. (→P.123)

2 Pull the parking brake switch to check that the parking brake is set. (→P.290)

The parking brake indicator will come on.

3 Check that the shift lever is set in P.

4 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.

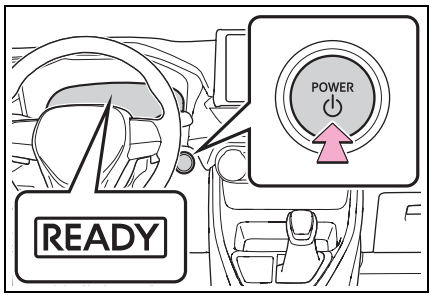
5 Press the power switch shortly and firmly.

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.



6 Check that the “READY” indicator is illuminated.

The vehicle will not move when 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.72) 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.

■ **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 -22°F [-30°C]) 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 vehicle**

→P.83

■ **If the 12-volt battery is discharged**

The hybrid system cannot be started using the smart key system. Refer to P.539 to restart the hybrid system.

■ **Electronic key battery depletion**

→P.194

■ **Conditions affecting operation**

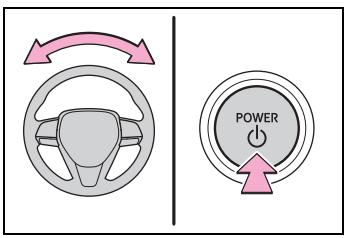
→P.218

■ **Note for the entry function**

→P.219

■ **Steering lock function**

- After turning the power switch to OFF and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the power switch again automatically cancels the steering lock.
- When the steering lock cannot be released, “Push power switch while turning the steering wheel in either direction” will be displayed on the multi-information display. Check that the shift lever is set in P. Press the power switch shortly and firmly while turning the steering wheel left and right.



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

■ **If there is a malfunction in the smart key system**

If “Smart Key System Malfunction” 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.

■ **When “Check Fuel Cap” is displayed on the multi-information display**

→P.308

■ **If the hybrid system is malfunctioning**

→P.92

■ **Electronic key battery**

→P.493

■ **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 to OFF, the hybrid system may not start in some cases. After turning the power switch to OFF, please wait a few seconds before restarting the hybrid system.

■ **Customization**

If the smart key system has been deactivated in a customized setting, refer to P.538.

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.

■ **Caution while driving**

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

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. If the parking brake is in manual mode, set the parking brake. (→P.290)

Check the parking brake indicator is illuminated.

3. Shift the shift lever to P.
4. Press the power switch shortly and firmly.

The hybrid system will stop, and the meter display will be extinguished.

Release the shift lever when pressing the power switch.

5. Release the brake pedal and check that "ACCESSORY" or "IGNITION ON" is not shown on the multi-information display.

■ **Automatic hybrid system shut off feature**

- The vehicle is equipped with a

feature that automatically shuts off the hybrid system when the shift lever is in P with the hybrid system operating for an extended period.

- The hybrid system will automatically shut off after approximately 1 hour if it has been left operating while the shift lever is in P.
- The message asking if you wish to enable/disable the automatic hybrid system shut off feature will sometimes be displayed on the multi-information display. Leaving the vehicle as is or selecting “Perform Auto Off” keeps the automatic hybrid system shut off feature enabled, and selecting “Keep Vehicle On” disables the automatic hybrid system shut off feature.
- The timer for the automatic hybrid system shut off feature will reset if the brake pedal is depressed or if the shift lever is in a position other than P.
- After the vehicle is parked, if the door is locked with the door lock switch (→P.201) from the inside or the mechanical key (→P.537) from the outside, the automatic hybrid system shut off feature will be disabled. The timer for the automatic hybrid system shut off feature will be re-enabled if the driver’s door is opened.

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.505)
  However, do not touch the power switch while driving except in an emergency. Turning the hybrid system off while driving will not cause a loss of steering or braking control. However, power assist for the steering wheel may be lost making it difficult to steer smoothly before stopping the vehicle depending on the remaining charge in the 12-volt battery or usage conditions. In this situation, 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.
- When restarting the hybrid system after an emergency shutdown, shift the shift lever to N and press the power switch shortly and firmly.

WARNING

■When parking

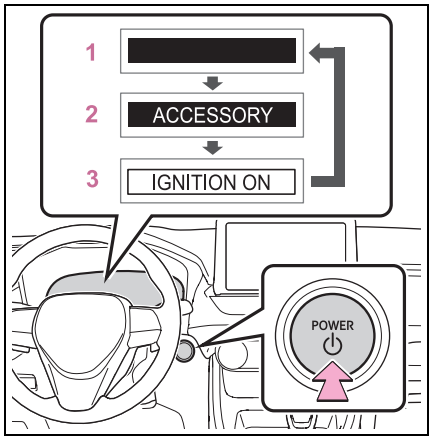
Exhaust gases include harmful carbon monoxide (CO), which is colorless and odorless. Observe the following precautions.

Failure to do so may cause exhaust gases to enter the vehicle and may lead to an accident caused by light-headedness, or may lead to death or a serious health hazard.

- 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 operating 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.

Changing power switch modes

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



1 OFF*

The emergency flashers can be used.

2 ACC

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.

“IGNITION ON” will be displayed on the multi-information display.

*: If the shift lever is in a position other than P when turning off the hybrid system, the power switch will remain ON, will not turn to OFF.

■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 in P, the power switch will automatically turn to OFF.
- If the 12-volt battery is low with the shift lever is in P and the power switch is in ACC or ON (the hybrid system is not operating), a buzzer

sounds and a message will be displayed on the multi-information display. If this continues, 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 “IGNITION ON” is displayed on the multi-information display, the power switch is not in OFF. Exit the vehicle after turning the power switch to OFF.

When stopping the hybrid system with the shift lever in a position other than P

If the hybrid system is stopped with the shift lever in a position other than P, the power switch will not be turned to OFF but instead be turned to ACC. Perform the following procedure to turn the switch to OFF:

1. Check that the parking brake is set.
2. Shift the shift lever to P.
3. Check that “IGNITION ON” is displayed on the multi-information display and press the power switch shortly and firmly.
4. Check that “ACCESSORY” or “IGNITION ON” on the multi-information display is off.

NOTICE

■ To prevent 12-volt battery discharge

Do not stop the hybrid system when the shift lever is in a position other than P. If the hybrid system is stopped in another shift lever position, the power switch will not be turned to OFF but instead remain ON. If the vehicle is left in ON, 12-volt battery discharge may occur.

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
D	Normal driving*1, 2
S	S mode driving*3

*1: To improve fuel efficiency and reduce noise, shift the shift lever to D for normal driving.

*2: Vehicles with paddle shift switches only: Selecting shift ranges in the D position allows suitable use of engine braking. (→P.287)

*3: By selecting shift ranges using S mode, you can control accelerating force and engine braking force.

■ When driving with dynamic radar cruise control with full-speed range activated

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate because dynamic radar cruise control with full-speed range will not be canceled.

- While driving in S mode, downshifting to 5 or 4. (→P.288)
- When switching the driving mode to sport mode while driving in D position. (→P.377)

■ Restraining sudden start (Drive-Start Control)

→P.259

WARNING

■ When driving on slippery road surfaces

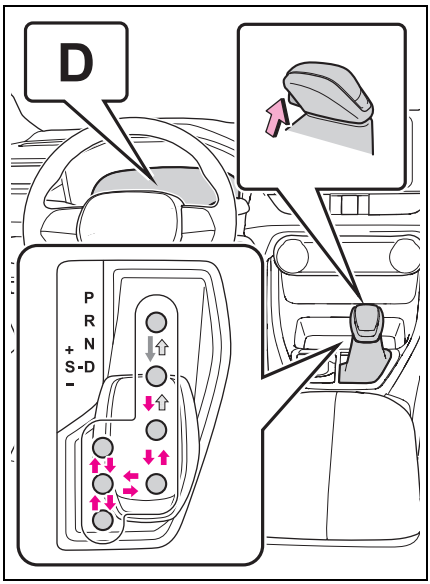
Be careful of downshifting and sudden acceleration, as this could result in the vehicle skidding to the side or spinning.

NOTICE

■ Hybrid battery (traction battery) charge

If the shift lever is in N, the hybrid battery (traction battery) will not be charging, 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 and the brake pedal is depressed.

*: For the vehicle to 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

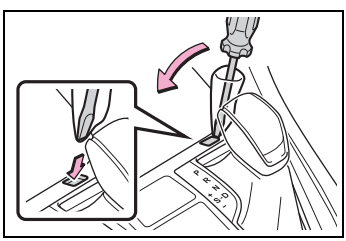
The shift lock system is a system to prevent accidental operation of the shift lever in starting.
The shift lever can be shifted from P only when the power switch is in ON, the brake pedal is depressed and the shift release button is pushed.

If the shift lever cannot be shifted from P

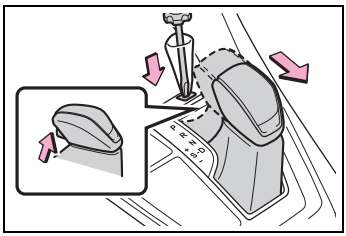
First, check whether the brake pedal is being depressed.
If the shift lever cannot be shifted even though the brake pedal is depressed and the shift release button is pushed, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

1. Pull the parking brake switch to check that the parking brake is set. (→P.290)
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 damage to the cover, cover the tip of the screwdriver with a rag.



5 Press and hold the shift lock override button and then push the button on the shift knob. The shift lever can be shifted while both buttons are 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.

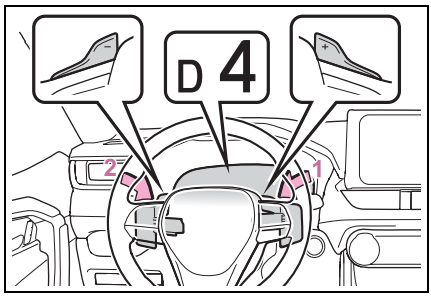
If the accelerator pedal is accidentally depressed instead of the brake pedal when the shift lock override button is pressed and the shift lever is shifted out of P, the vehicle may suddenly start, possibly leading to an accident resulting in death or serious injury.

Selecting the driving mode

→P.377

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

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



1 Upshifting

2 Downshifting

The selected shift range, from D1 to D6, will be displayed on the multi-information display.

■ Shift ranges and their functions

- 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.

■ Downshifting 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.)

■ Automatic deactivation of shift range selection in the D position

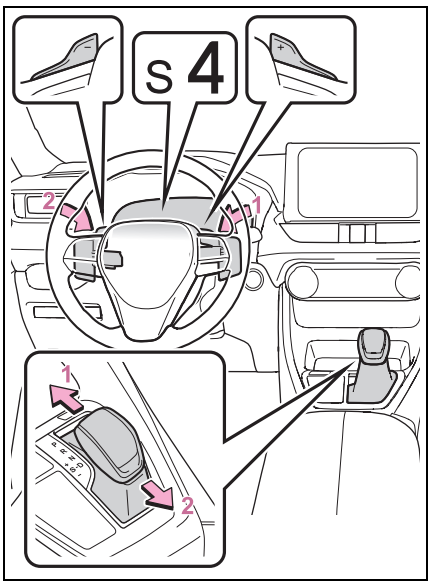
Shift range selection in the D position will be deactivated in the follow-

ing situations:

- 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
- When the "+" paddle shift switch is held down for a period of time

Changing shift ranges in S mode

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



1 Upshifting

2 Downshifting

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.*

*: It is set to S3 when the driving mode is set to sport mode. (→P.377)

■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.
- To prevent the engine from over-revving, upshifting may automatically occur when the shift range is 3 or lower.
- When the shift range is 4 or lower, holding the shift lever toward "+" sets the shift range to 6.

■Downshifting restriction warning buzzer

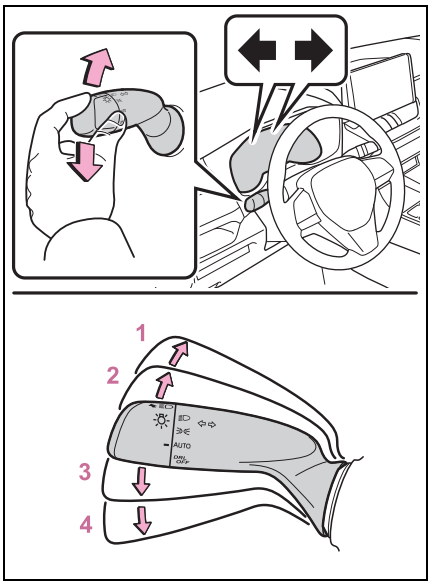
To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever or paddle shift switches (if equipped) is operated. (A buzzer will sound twice.)

■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 Right turn

2 Lane change to the right (move the lever partway and release it)

The right hand signals will flash 3 times.

3 Lane change to the left (move the lever partway and release it)

The left hand signals will flash 3 times.

4 Left turn

■ Turn signals can be operated when

The power switch is in ON.

■ If the indicator flashes faster than usual

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

■ If the turn signals stop flashing before a lane change has been performed

Operate the lever again.

■ To discontinue flashing of the turn signals during a lane change

Operate the lever in the opposite direction.

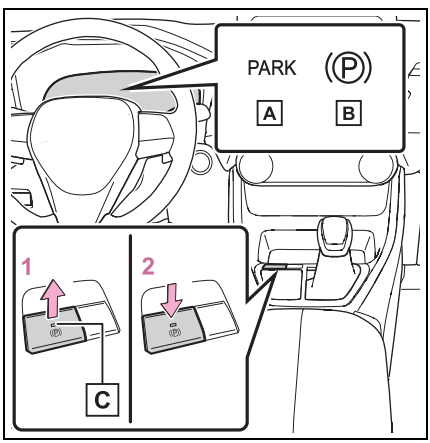
Parking brake

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 (U.S.A.)

B Parking brake indicator light (Canada)

C Parking brake switch indicator

1 Pull the switch to set the parking brake.

The parking brake indicator light and Parking brake switch indicator 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 Push the switch to release the parking brake.

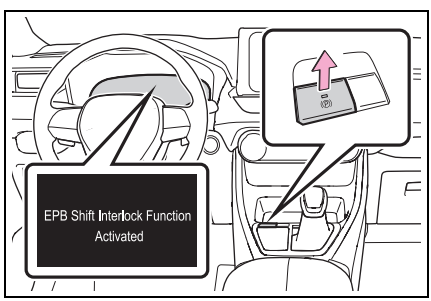
- Operate the parking brake switch while depressing the brake pedal.
- Parking brake automatic release function (→P.291)

Make sure that the parking brake indicator light and parking brake switch indicator turn off.

If the parking brake indicator light and parking brake switch indicator flash, operate the switch again. (→P.517)

■ 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.



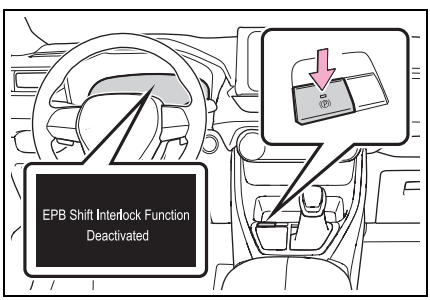
When the automatic mode is turned on, the parking brake operates as follows.

- When the shift lever is shifted from P, the parking brake will be released, and the parking brake indicator light and parking brake switch indicator will turn off.
- When the shift lever is shifted to P, the parking brake will be set, and the parking brake indicator light and parking brake switch indicator will turn on.

Operate the shift lever with the vehicle stopped and the brake pedal depressed.

■ 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

The parking brake will be released automatically when the accelerator pedal is slowly depressed under the following conditions:

- The driver's door is closed
- The driver is wearing the seat belt
- The shift lever is in a forward or reverse position.
- The malfunction indicator lamp or brake system warning light is not illuminated

If the automatic release function does not operate, release the parking brake manually.

■ 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.258

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.511

Usage in winter time

→P.388

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.

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 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.

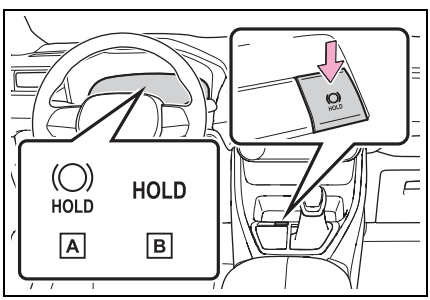
Brake Hold

The brake hold system keeps the brake applied when the shift lever is in D, S or N 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

Press the brake hold switch to 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.

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 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.290)

■ **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.517

WARNING

■ **When the vehicle is on a steep incline**

When using the brake hold system on a steep incline, exercise caution. The brake hold function may not hold the vehicle in such a situation.

■ **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.

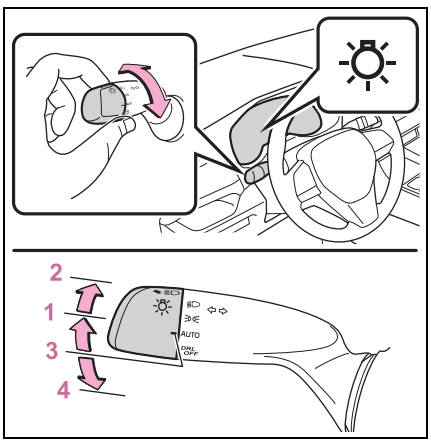
Headlight switch

The headlights can be operated manually or automatically.

Turning on the headlights

Operating the switch turns on the lights as follows:

▶ U.S.A.



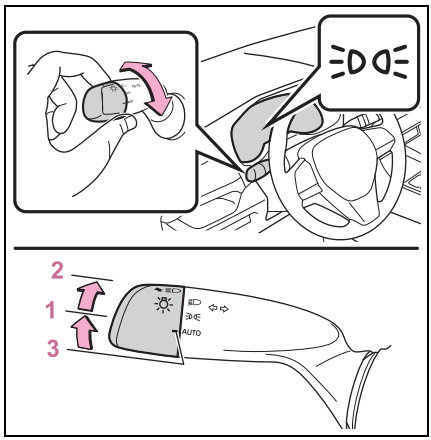
1 The side marker, parking, tail, license plate, instrument panel lights, daytime running lights and LED accessory lights (if equipped) (→P.296) turn on.

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

3 AUTO The headlights, daytime running lights, LED accessory lights (if equipped) (→P.295) and all the lights listed above turn on and off automatically.

4 DRL OFF Off

▶ Canada



1 The side marker, parking, tail, license plate, instrument panel lights, and LED accessory lights (if equipped) (→P.296) turn on.

2 The headlights and all lights listed above turn on.

3 AUTO The headlights, daytime running lights, LED accessory lights (if equipped) (→P.295) and all the lights listed above turn on and off automatically.

■AUTO mode can be used when

The power switch is in ON.

■Daytime running light system

- The daytime running lights illuminate using the same lights as the parking lights and illuminate brighter than the parking lights.
- To make your vehicle more visible

to other drivers during daytime driving, the daytime running lights turn on automatically when all of the following conditions are met. (The daytime running lights are not designed for use at night.)
- The hybrid system is operating
- The parking brake is released
- For the U.S.A.: The headlight switch is in the AUTO or position
- For Canada: The headlight switch is in the AUTO position
- The surroundings are bright

The daytime running lights remain on after they illuminate, even if the parking brake is set again.

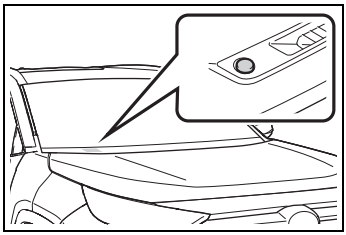
- For the U.S.A.: Daytime running lights can be turned off by operating the switch.
- Compared to turning on the headlights, the daytime running light system offers greater durability and consumes less electricity, so it can help improve fuel economy.

LED accessory lights (if equipped)

To make your vehicle more visible to other drivers during daytime driving, the LED accessory lights turn on automatically when the parking brake is released while the hybrid system is operating.
When the parking lights are turned on, the LED accessory lights dim.

Headlight control sensor (if equipped)

The sensor may not function properly if an object is placed on the sensor, or anything that blocks the sensor is affixed to the windshield. Doing so interferes with the sensor detecting the level of ambient light and may cause the automatic headlight system to malfunction.



Automatic light off system

- When the headlights are on: The lights turn off 30 seconds after the power switch is turned to ACC or OFF and a door is opened and closed. (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 to ACC or 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 to the AUTO or DRL OFF position once and then back to or position.

Light reminder buzzer

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

Automatic headlight leveling system (if equipped)

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

Windshield wiper linked headlight illumination (if equipped)

When driving during daytime with the headlight switch turned to AUTO, if the windshield wipers are used, the headlights will turn on automatically

after several seconds to help enhance the visibility of your vehicle.

■ **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 to OFF, the battery saving function will operate and automatically turn off all the lights after approximately 20 minutes.

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

■ **If "Headlight System Malfunction Visit Your Dealer" is displayed on the multi-information display**

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

■ **Customization**

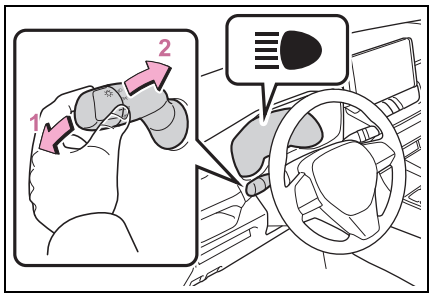
Settings (e.g. light sensor sensitivity) can be changed.
(Customizable features: →P.577)

NOTICE

■ **To prevent 12-volt battery discharge**

Do not leave the lights on longer than necessary when the hybrid system is not operating.

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.

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

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

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

AHB (Automatic High Beam)

The Automatic High Beam uses an in-vehicle front camera to assess the brightness of streetlights, the lights of vehicles ahead etc., and automatically turns the high beams on or off as necessary.

WARNING

■ Limitations of the Automatic High Beam

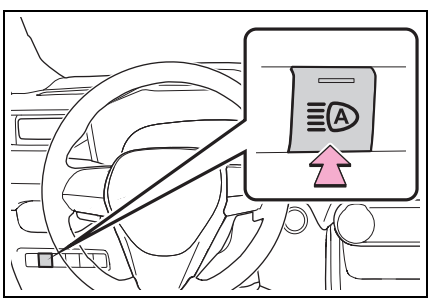
Do not overly rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beams on or off manually if necessary.

■ To prevent incorrect operation of the Automatic High Beam system

Do not overload the vehicle.

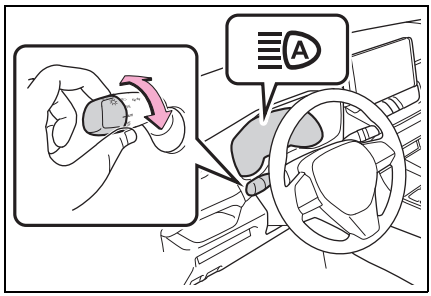
Activating the Automatic High Beam system

1 Press the Automatic High Beam switch.



2 Turn the headlight switch to the AUTO or position.

The Automatic High Beam indicator will come on when the system is operating.



■ High beams automatic turning on or off conditions

- When all of the following conditions are fulfilled, the high beams will be automatically turned on (after approximately 1 second):
  - Vehicle speed is above approximately 21 mph (34 km/h) or more.
  - The area ahead of the vehicle is dark.
  - There are no vehicles ahead with headlights or tail lights turned on.
  - There are few streetlights on the road ahead.
- If any of the following conditions are fulfilled, the high beams will be automatically turned off:
  - Vehicle speed drops below approximately 17 mph (27 km/h).
  - The area ahead of the vehicle is not dark.
  - Vehicles ahead have headlights or tail lights turned on.
  - There are many streetlights on the road ahead.

■ Front camera detection information

- The high beams may not be automatically turned off in the following situations:
  - When oncoming vehicles suddenly appear from a curve
  - When the vehicle is cut in front of

by another vehicle
- When vehicles ahead are hidden from sight due to repeated curves, road dividers or roadside trees
- When vehicles ahead appear from the faraway lane on a wide road
- When vehicles ahead have no lights

● The high beams may be turned off if a vehicle ahead that is using fog lights without using the headlights is detected.

● House lights, street lights, traffic signals, and illuminated billboards or signs may cause the high beams to switch to the low beams, or the low beams to remain on.

● The following factors may affect the amount of time taken to turn the high beams on or off:
- The brightness of headlights, fog lights, and tail lights of vehicles ahead
- The movement and direction of vehicles ahead
- When a vehicle ahead only has operational lights 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 high beams may be turned on or off when the driver does not expect it.

● Bicycles or similar objects may not be detected.

● In the situations shown below, the system may not be able to accurately detect surrounding brightness levels. This may cause the low beams to remain on or the high beams to cause problems for pedestrians, vehicles ahead or other parties. In these cases, manually switch between the high and low beams.
- In bad weather (rain, snow, fog, sandstorms, etc.)
- The windshield is obscured by fog, mist, ice, dirt, etc.
- The windshield is cracked or damaged
- The front camera is deformed or dirty
- When the temperature of the front camera is extremely high
- Surrounding brightness levels are equal to those of headlights, tail lights or fog lights
- When headlights or tail lights of vehicles ahead are turned off, dirty, changing color, or not aimed properly
- When the vehicle is hit by water, snow, dust, etc. from a preceding vehicle
- When driving through an area of intermittently changing brightness and darkness
- When frequently and repeatedly driving ascending/descending roads, or roads with rough, bumpy or uneven surfaces (such as stone-paved roads, gravel roads, etc.)
- When frequently and repeatedly taking curves or driving on a winding road
- There is a highly reflective object ahead of the vehicle, such as a sign or mirror
- The back of a vehicle ahead is highly reflective, such as a container on a truck
- The vehicle's headlights are damaged or dirty, or are not aimed properly
- The vehicle is listing or titling due to a flat tire, a trailer being towed, etc.
- The high beams and low beams are repeatedly being switched between in an abnormal manner
- The driver believes that the high beams may be causing problems or distress to other drivers or pedestrians nearby

■ If "Headlight System Malfunction Visit Your Dealer" is displayed on the multi-information display

The system may be malfunctioning.

Have the vehicle inspected by your Toyota dealer.

■ Temporarily lowering sensor sensitivity

The sensitivity of the sensor can be temporarily lowered.

1 Turn the power switch off while the following conditions are met.

- The headlight switch is in or AUTO position.
- The headlight switch lever is in high beam position.
- Automatic High Beam switch is on.

2 Turn the power switch to ON.

3 Within 60 seconds after step 2, repeat pulling the headlight switch lever to the original position then pushing it to the high beam position quickly 10 times, then leave the lever in the original position.

4 If the sensitivity is changed, the Automatic High Beam indicator is turn on and off 3 times.

Automatic High Beam (headlights) may turn on even when the vehicle is stopped.

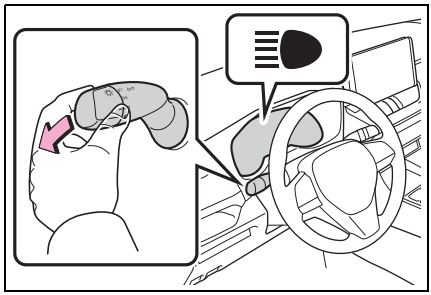
Turning the high beams on/off manually

■ Switching to the high beams

Push the lever away from you.

The Automatic High Beam indicator will turn off and the headlight high beam indicator will turn on.

Pull the lever to its original position to activate the Automatic High Beam system again.

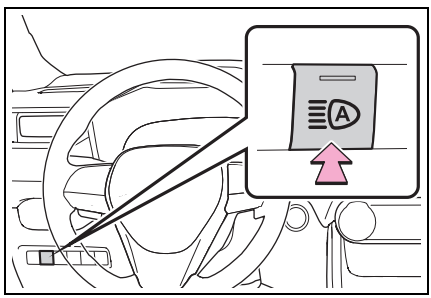


■ Switching to the low beams

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off.

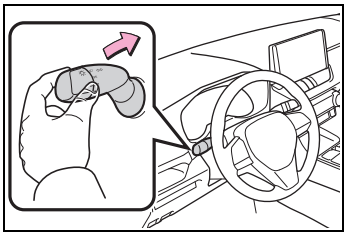
Press the switch to activate the Automatic High Beam system again.



■ Temporarily switching to the low beams

Pull the lever toward you and then return it to its original position.

The high beams are on while the lever is pulled toward you, however, after the lever is returned to its original position, the low beams remain on for a certain amount of time. Afterwards, the Automatic High Beam will be activated again.



■ **Temporarily switching to the low beams**

It is recommended to switch to the low beams when the high beams may cause problems or distress to other drivers or pedestrians nearby.

Windshield wipers and washer

Operating the lever can switch between automatic operation and manual operation, or can use the washer.

NOTICE

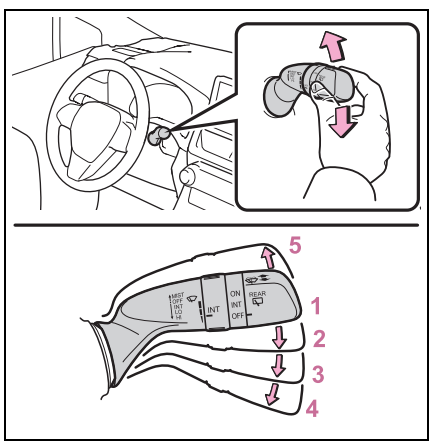
■ **When the windshield is dry**

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



1 OFF *1 or *2 Off

2 INT *1 or *2 Intermittent operation

3 LO *1 or *2 Low speed operation

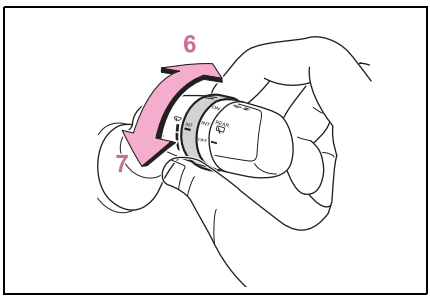
4 HI *1 or ▼ *2 High speed operation

5 MIST *1 or △ *2 Temporary operation

*1: For the U.S.A.

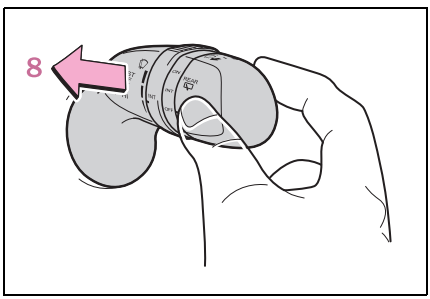
*2: For Canada

If equipped, wiper intervals can be adjusted when intermittent operation is selected.



6 Increases the intermittent windshield wiper frequency

7 Decreases the intermittent windshield wiper frequency

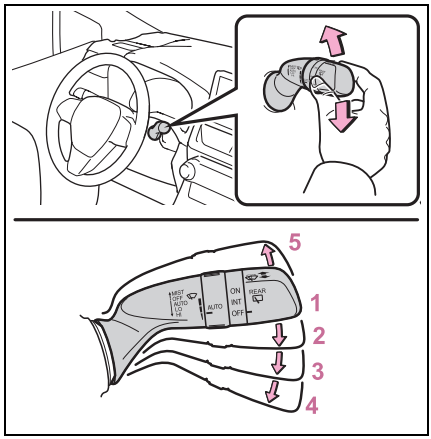


8 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

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

▶ Rain-sensing windshield wipers



1 OFF *1 or ○ *2 Off

2 AUTO Rain-sensing operation

3 LO *1 or ▼ *2 Low speed operation

4 HI *1 or ▼ *2 High speed operation

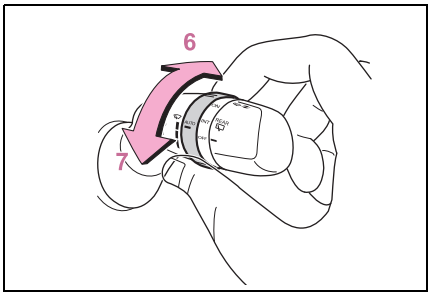
5 MIST *1 or △ *2 Temporary operation

*1: For the U.S.A.

*2: For Canada

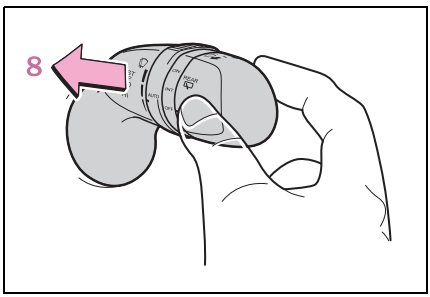
When “AUTO” is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.

The sensor sensitivity can be adjusted when “AUTO” is selected.



6 Increases the sensitivity

7 Decreases the sensitivity



8 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

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

■ The windshield wipers and washer can be operated when

The power switch is in ON.

■ Effects of vehicle speed on wiper operation

▶ Vehicles with intermittent windshield wipers

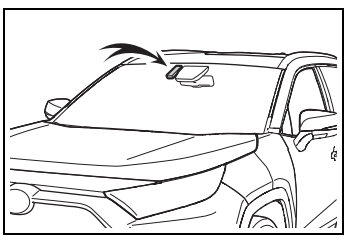
With low speed windshield wiper operation selected, wiper operation will be switched from low speed to intermittent wiper operation when the vehicle is stationary. (However, when the wiper intervals are adjusted to highest level, the mode will not switch.)

▶ Vehicles with rain-sensing windshield wipers

With low speed windshield wiper operation selected, wiper operation will be switched from low speed to intermittent wiper operation when the vehicle is stationary. (However, when the sensor sensitivity is adjusted to the highest level, the mode will not switch.)

■ 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 switch is turned to the “AUTO” position while the power switch is in ON, the wipers will operate once to show that “AUTO” mode is activated.
- If the wiper sensitivity is adjusted to higher, the wiper may operate once to indicate the change of sensitivity.
- If the temperature of the raindrop sensor is 185°F (85°C) or higher, or 5°F (-15°C) or lower, the automatic operation may not occur. In this case, operate the wipers in any mode other than “AUTO”.

■ 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.

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 does 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.

■ **To prevent 12-volt battery discharge**

Do not leave the wipers on longer than necessary when the hybrid system is off.

Rear window wiper and washer

The rear window wiper and washer can be used by operating the lever.

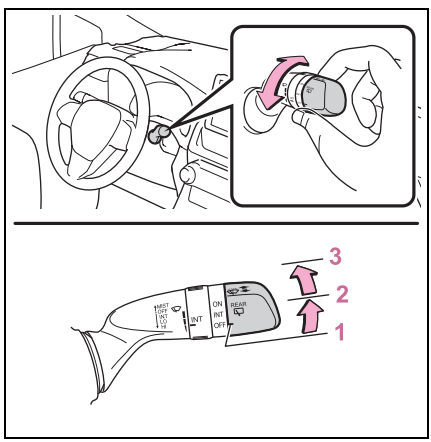
NOTICE

■ **When the rear window is dry**

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

Operating the wiper lever

Operating the switch operates the rear wiper as follows:



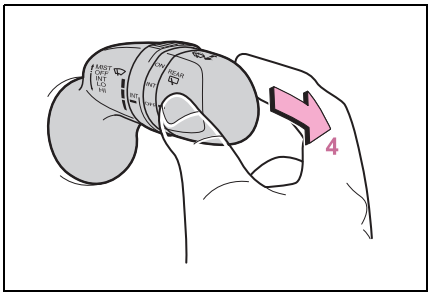
1 OFF *1 or *2 Off

2 INT *1 or *2 Intermittent operation

3 ON *1 or *2 Normal operation

*1: For the U.S.A.

*2: For Canada



4 Washer/wiper dual operation

Pushing the lever operates the wiper and washer.

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

The rear window wiper and washer can be operated when

The power switch is in ON.

If no washer fluid sprays

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

Back door opening linked rear window wiper stop function

When the rear window wiper is operating, if the back door is opened while the vehicle is stopped, operation of the rear window wiper will be stopped to prevent anyone near the vehicle from being sprayed by water from the wiper. When the back door is closed, wiper operation will resume.*

*: The setting must be customized at your Toyota dealer.

Reverse-linked rear window wiper function

When the shift lever is shifted to R when the front wipers are operating, the rear window wiper will operate once.

Customization

Setting of the reverse-linked function can be changed. (Customizable features: →P.577)

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.

To prevent 12-volt battery discharge

Do not leave the wiper on longer than necessary when the hybrid system is off.

Opening the fuel tank cap

The fuel tank of your vehicle has a special structure, which requires a reduction in fuel tank pressure before refueling. After the opener switch has been pressed, it will take several seconds until the vehicle is ready for refueling.

Before refueling the vehicle

- Close all the doors and windows, and turn the power switch to OFF.
- Confirm the type of fuel.

■ Fuel types

→P.557

■ 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 of 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.

WARNING

■ 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

- Finish refueling within 30 minutes. If more than 30 minutes passes, the internal valve closes. In this condition, fuel may overflow during the refueling process. Press the fuel filler door opener switch again.
- 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.

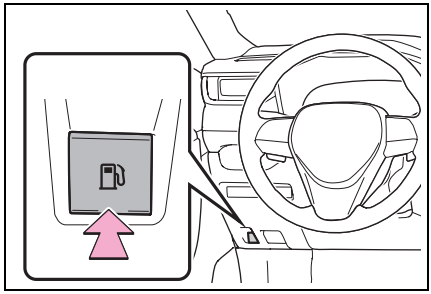
■ Notice about fuel

→P.91

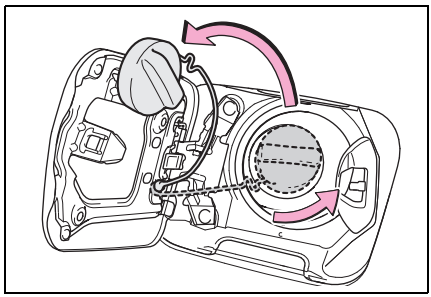
Opening the fuel tank cap

1 Press the opener to open the fuel filler door.

The fuel filler door will open within about 10 seconds of the switch being pressed. Before refueling is possible, a message will be shown on the multi-information display in the instrument cluster to indicate the progress of the fuel filler door opener.



2 Turn the fuel tank cap slowly to open it and put it into the holder on the fuel filler door.

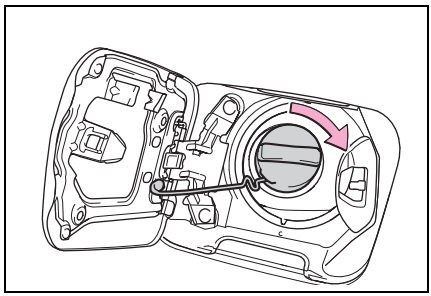


■ If the fuel filler door cannot be opened

→P.536

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.



When “Check Fuel Cap” is displayed on the multi-information display

The fuel tank cap may be unfastened or loose. Turn the power switch off, check the cap and tighten it securely. If the message remains, wait a few seconds and then turn the power switch off once again.

WARNING

When replacing the fuel tank cap

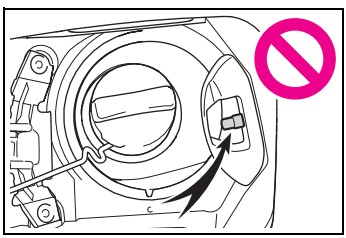
Do not use anything but a genuine Toyota fuel tank cap designed for your vehicle. Doing so may cause a fire or other incident which may result in death or serious injury.

NOTICE

When refueling

When refueling your vehicle, make sure that the fuel filler door lock is not pushed by the fuel nozzle boot, etc., as this may cause a valve to close, possibly resulting in a fuel spill.

If the fuel filler door lock has been pushed, operate the fuel filler door opener switch in the vehicle before continuing to refuel.



Toyota Safety Sense 2.0

The Toyota Safety Sense 2.0 consists of the following drive assist systems and contributes to a safe and comfortable driving experience:

Driving assist system

- **PCS (Pre-Collision System)**

→P.315

- **LTA (Lane Tracing Assist)**

→P.323

- **AHB (Automatic High Beam)**

→P.298

- **RSA (Road Sign Assist) (if equipped)**

→P.333

- **Dynamic radar cruise control with full-speed range**

→P.336

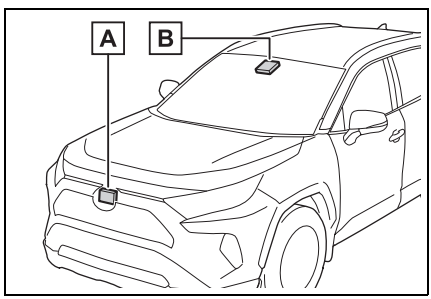
WARNING

■ Toyota Safety Sense 2.0

The Toyota Safety Sense 2.0 is designed to operate under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants and the vehicle in the case of a collision or assist the driver in 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 always responsible for paying attention to the vehicle's surroundings and driving safely.

Sensors

Two types of sensors, located behind the front grille and windshield, detect information necessary to operate the drive assist systems.



A Radar sensor

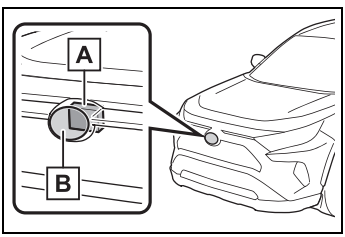
B Front camera

WARNING

■ To avoid malfunction of the radar sensor

Observe the following precautions.
Otherwise, the radar sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the radar sensor and the radar sensor cover clean at all times.



A Radar sensor

B Radar sensor cover

If the front of the radar sensor or the front or back of the radar sensor cover is dirty or covered with water droplets, snow, etc., clean it.

Clean the radar sensor and radar sensor cover with a soft cloth to avoid damaging them.

- Do not attach accessories, stickers (including transparent stickers) or other items to the radar sensor, radar sensor cover or surrounding area.
- Do not subject the radar sensor or its surrounding area to a strong impact.
  If the radar sensor, front grille, or front bumper has been subjected to a strong impact, have the vehicle inspected by your Toyota dealer.
- Do not disassemble the radar sensor.
- Do not modify or paint the radar sensor or radar sensor cover.
- In the following cases, the radar sensor must be recalibrated. Contact your Toyota dealer for details.
  - When the radar sensor or front grille are removed and installed, or replaced
  - When the front bumper is replaced

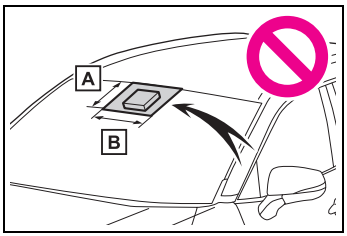
■ To avoid malfunction of the front camera

Observe the following precautions.
Otherwise, the front camera may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the windshield clean at all times.
  - If the windshield is dirty or covered with an oily film, water droplets, snow, etc., clean the windshield.
  - 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 objects, such as stickers, transparent stickers, etc., to the outer side of the windshield in front of the front camera (shaded area in the illustration).



A From the top of the windshield to approximately 0.4 in. (1 cm) below the bottom of the front camera

B Approximately 7.9 in. (20 cm) (Approximately 4.0 in. [10 cm] to the right and left from the center of the front camera)

- 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. (→P.398)
- 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.
  After replacing the windshield, the front camera must be recalibrated. Contact your Toyota dealer for details.
- Do not allow liquids to contact the front camera.
- Do not allow bright lights to shine into the front camera.
- Do not dirty or damage the front camera.
  When cleaning the inside of the windshield, do not allow glass cleaner to contact the lens of the front camera. Also, do not touch the lens.
  If the lens is dirty or damaged, contact your Toyota dealer.
- Do not subject the front camera to a strong impact.
- Do not change the installation position or direction of the front camera or remove it.
- Do not disassemble the front camera.
- Do not modify any components of the vehicle around the front camera (inside rear view mirror, etc.) or ceiling.
- Do not attach any accessories to the hood, front grille or front bumper that may obstruct the front camera. Contact your Toyota dealer for details.
- 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 the headlights or other lights.

■ **Certification**

▶ For vehicles sold in the U.S.A. and Hawaii

FCC ID: HYQDNMWR009

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

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

Radiofrequency radiation exposure Information:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator (antenna) and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

▶ For vehicles sold in Canada

NOTE:
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

NOTE:
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps.

■ If a warning message is displayed on the multi-information display

A system may be temporarily unavailable or there may be a malfunction in the system.

- In the following situations, perform the actions specified in the table. When the normal operating conditions are detected, the message will disappear and the system will become operational.

If the message does not disappear, contact your Toyota dealer.

Situation	Actions
When the area around a sensor is covered with dirt, moisture (fogged up, covered with condensation, ice, etc.), or other foreign matter	To clean the part of the windshield in front of the front camera, use the windshield wipers or the windshield defogger of the air conditioning system (→P.398).

Situation	Actions
When the temperature around the front camera is outside of the operational range, such as when the vehicle is in the sun or in an extremely cold environment	If the front camera is hot, such as after the vehicle had been 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 as after the vehicle is parked in an extremely cold environment, use the air conditioning system to increase the temperature around the front camera.
The area in front of the front camera is obstructed, such as when the hood is open or a sticker is attached to the part of the windshield in front of the front camera.	Close the hood, remove the sticker, etc. to clear the obstruction.

● In the following situations, if the situation has changed (or the vehicle has been driven for some time) and the normal operating conditions are detected, the message will disappear and the system will become operational.

If the message does not disappear, contact your Toyota dealer.

- When the temperature around the radar sensor is outside of the operational range, such as when the vehicle is in the sun or in an extremely cold environment
- When the front camera cannot detect objects in front of the vehicle, such as when driving in the dark, snow, or fog, or when bright lights are shining into the front camera

PCS (Pre-Collision System)

The pre-collision system uses a radar sensor and front camera to detect objects (→P.315) in front of the vehicle. When the system determines that the possibility of a frontal collision with an 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 frontal collision with an object 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.317)

Detectable objects

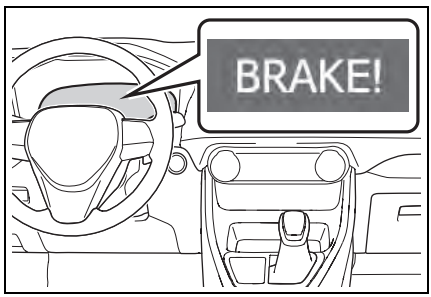
The system can detect the following:

- Vehicles
- Bicyclists
- Pedestrians

System functions

■ Pre-collision warning

When the system determines that the possibility of a frontal collision is high, a buzzer will sound and a warning message will be displayed on the multi-information display to urge the driver to take evasive action.



■ Pre-collision brake assist

When the system determines that the possibility of a frontal collision is high, the system applies greater braking force in relation to how strongly the brake pedal is depressed.

■ Pre-collision braking

If the system determines that the possibility of a frontal collision is extremely high, the brakes are automatically applied to help avoid the collision or reduce the impact of the collision.

WARNING

■ Limitations of the pre-collision system

● The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
Do not use the pre-collision system instead of normal braking operations under any circumstances. This system will not prevent collisions or lessen collision damage or injury in every situation. Do not overly rely on this system. Failure to do so may lead to an accident, resulting in death or serious injury.

● Although this system is designed to help avoid a collision or help reduce the impact of the collision, its effectiveness may change according to various conditions, therefore the system may not always be able to achieve the same level of performance.
Read the following conditions carefully. Do not overly rely on this system and always drive carefully.

- Conditions under which the system may operate even if there is no possibility of a collision: →P.319
- Conditions under which the system may not operate properly: →P.320

● Do not attempt to test the operation of the pre-collision system yourself.
Depending on the objects used for testing (dummies, cardboard objects imitating detectable objects, etc.), the system may not operate properly, possibly leading to an accident.

■ Pre-collision braking

● When the pre-collision braking function is operating, a large amount of braking force will be applied.

● If the vehicle is stopped by the operation of the pre-collision braking function, the pre-collision braking function operation will be canceled after approximately 2 seconds. Depress the brake pedal 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.

● In some situations, while the pre-collision braking function is operating, operation of the function may be canceled if the accelerator pedal is depressed strongly or the steering wheel is turned and the system determines that the driver is taking evasive action.

● 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 braking function.

■ When to disable the pre-collision system

In the following situations, disable the system, as it may not operate properly, possibly leading to an accident resulting in death or serious injury:

● When the vehicle is being towed

WARNING

- When your vehicle is towing another vehicle
- When transporting the vehicle via truck, boat, train or similar means of transportation
- When the vehicle is raised on a lift with the hybrid system on 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 a strong impact is applied to the front bumper or front grille, due to an accident or other reasons
- 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 tires of a size other than specified are installed
- When tire chains are installed
- When a compact spare tire or an emergency tire puncture repair kit is used
- If equipment (snow plow, etc.) that may obstruct the radar sensor or front camera is temporarily installed to the vehicle

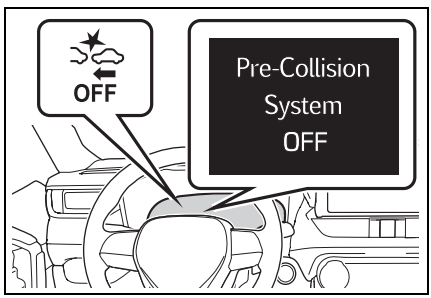
Changing settings of the pre-collision system

■ Enabling/disabling the pre-collision system

The pre-collision system can be enabled/disabled on the ⚙ screen (→P.177) of the multi-information display.

The system is automatically enabled each time the power switch is turned to ON.

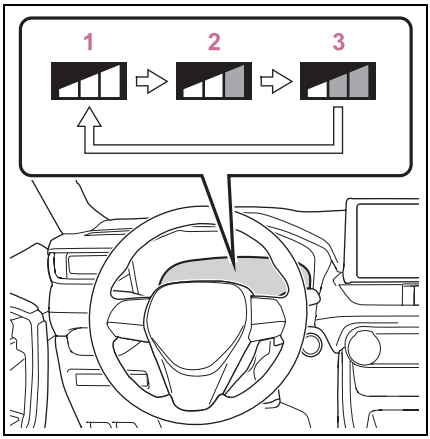
If the system is disabled, the PCS warning light will turn on and a message will be displayed on the multi-information display.



■ Changing the pre-collision warning timing

The pre-collision warning timing can be changed on the ⚙ screen (→P.177) of the multi-information display.

The warning timing setting is retained when the power switch is turned to OFF. However, if the pre-collision system is disabled and re-enabled, the operation timing will return to the default setting (middle).



1 Early

2 Middle

This is the default setting.

3 Late

■ Operational conditions

The pre-collision system is enabled and the system determines that the possibility of a frontal collision with a detected object is high.
Each function is operational at the following speed

● Pre-collision warning

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 7 to 110 mph (10 to 180 km/h)	Approx. 7 to 110 mph (10 to 180 km/h)
Bicyclists and pedestrians	Approx. 7 to 50 mph (10 to 80 km/h)	Approx. 7 to 50 mph (10 to 80 km/h)

● Pre-collision brake assist

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 20 to 110 mph (30 to 180 km/h)	Approx. 20 to 110 mph (30 to 180 km/h)
Bicyclists and pedestrians	Approx. 20 to 50 mph (30 to 80 km/h)	Approx. 20 to 50 mph (30 to 80 km/h)

● Pre-collision braking

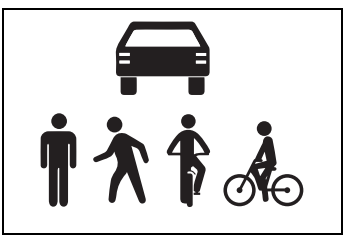
Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 7 to 110 mph (10 to 180 km/h)	Approx. 7 to 110 mph (10 to 180 km/h)
Bicyclists and pedestrians	Approx. 7 to 50 mph (10 to 80 km/h)	Approx. 7 to 50 mph (10 to 80 km/h)

The system may not operate in the following situations:

- If a 12-volt battery terminal has been disconnected and reconnected and then the vehicle has not been driven for a certain amount of time
- If the shift lever is in R
- When the VSC OFF indicator is illuminated (only the pre-collision warning function will be operational)

■ Object detection function

The system detects objects based on their size, profile, motion, etc. However, an object may not be detected depending on the surrounding brightness and the motion, posture, and angle of the detected object, preventing the system from operating properly. (→P.320)
The illustration shows an image of detectable objects.



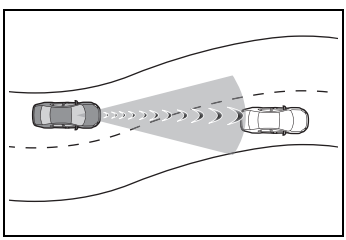
■ Cancelation of the pre-collision braking

If either of the following occur while the pre-collision braking function is operating, it will be canceled:

- The accelerator pedal is depressed strongly.
- The steering wheel is turned sharply or abruptly.

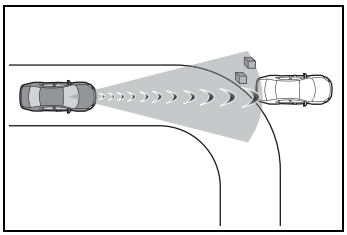
■ Conditions under which the system may operate even if there is no possibility of a collision

- In some situations such as the following, the system may determine that there is a possibility of a frontal collision and operate.
  - When passing a detectable object, etc.
  - When changing lanes while overtaking a detectable object, etc.
  - When approaching a detectable object in an adjacent lane or on the roadside, such as when changing the course of travel or driving on a winding road

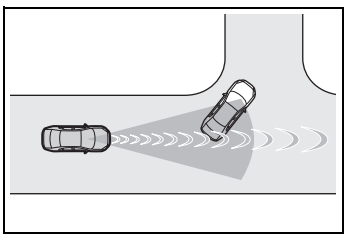


  - When rapidly closing on a detectable object, etc.
  - When approaching objects on the roadside, such as detectable objects, guardrails, utility poles, trees, or walls
  - When there is a detectable object or other object by the roadside at

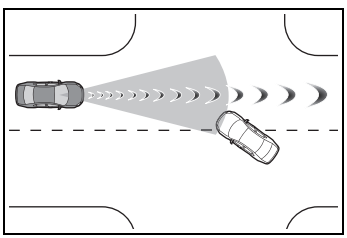
the entrance of a curve



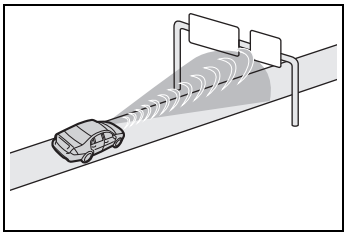
- When there are patterns or paint in front of your vehicle that may be mistaken for a detectable object
- When the front of your vehicle is hit by water, snow, dust, etc.
- When overtaking a detectable object that is changing lanes or making a right/left turn



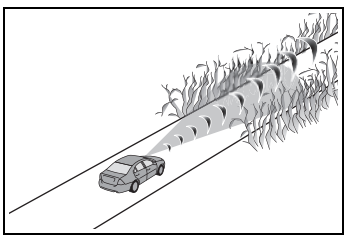
- When passing a detectable object in an oncoming lane that is stopped to make a right/left turn



- When a detectable object approaches very close and then stops before entering the path of your vehicle
- If the front of your vehicle is raised or lowered, such as when on an uneven or undulating road surface
- When driving on a road surrounded by a structure, such as in a tunnel or on an iron bridge
- When there is a metal object (manhole cover, steel plate, etc.), steps, or a protrusion in front of your vehicle
- When passing under an object (road sign, billboard, etc.)



- When approaching an electric toll gate barrier, parking area barrier, or other barrier that opens and closes
- When using an automatic car wash
- When driving through or under objects that may contact your vehicle, such as thick grass, tree branches, or a banner



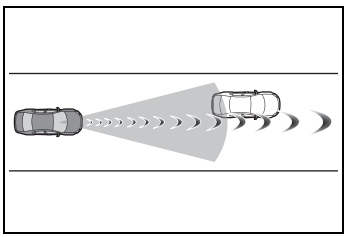
- When driving through steam or smoke
- When driving near an object that reflects radio waves, such as a large truck or guardrail
- When driving near a TV tower, broadcasting station, electric power plant, or other location where strong radio waves or electrical noise may be present

■ Situations in which the system may not operate properly

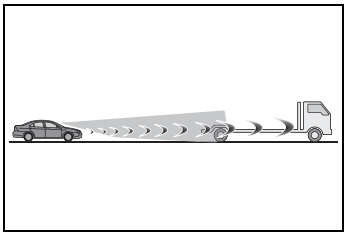
● In some situations such as the following, an object may not be detected by the radar sensor and front camera, preventing the system from operating properly:

- When a detectable object is approaching your vehicle
- When your vehicle or a detectable object is wobbling

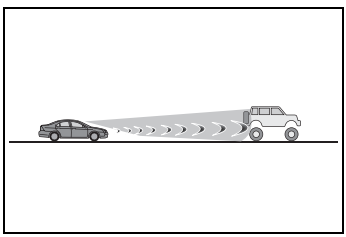
- If a detectable object makes an abrupt maneuver (such as sudden swerving, acceleration or deceleration)
- When your vehicle approaches a detectable object rapidly
- When a detectable object is not directly in front of your vehicle



- When a detectable object is near a wall, fence, guardrail, manhole cover, vehicle, steel plate on the road, etc.
- When a detectable object is under a structure
- When part of a detectable object is hidden by an object, such as large baggage, an umbrella, or guardrail
- When multiple detectable objects are close together
- If the sun or other light is shining directly on a detectable object
- When a detectable object is a shade of white and looks extremely bright
- When a detectable object appears to be nearly the same color or brightness as its surroundings
- If a detectable object cuts or suddenly emerges in front of your vehicle
- When the front of your vehicle is hit by water, snow, dust, etc.
- When a very bright light ahead, such as the sun or the headlights of oncoming traffic, shines directly into the front camera
- When approaching the side or front of a vehicle ahead
- If a vehicle ahead is a motorcycle
- If a vehicle ahead is narrow, such as a personal mobility vehicle
- If a preceding vehicle has a small rear end, such as an unloaded truck
- If a preceding vehicle has a low rear end, such as a low bed trailer

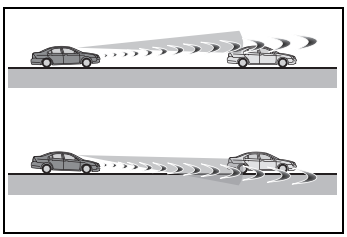


- If a vehicle ahead has extremely high ground clearance



- If a vehicle ahead is carrying a load which protrudes past its rear bumper
- If a vehicle ahead is irregularly shaped, such as a tractor or side car
- If a vehicle ahead is a child sized bicycle, a bicycle that is carrying a large load, a bicycle ridden by more than one person, or a uniquely shaped bicycle (bicycle with a child seat, tandem bicycle, etc.)
- If a pedestrian/or the riding height of a bicyclist ahead is shorter than approximately 3.2 ft. (1 m) or taller than approximately 6.5 ft. (2 m)
- If a pedestrian/bicyclist is wearing oversized clothing (a rain coat, long skirt, etc.), making their silhouette obscure
- If a pedestrian is bending forward or squatting or bicyclist is bending forward
- If a pedestrian/bicyclist is moving fast
- If a pedestrian is pushing a stroller, wheelchair, bicycle or other vehicle
- When driving in inclement weather

such as heavy rain, fog, snow or a sandstorm
- When driving through steam or smoke
- When the surrounding area is dim, such as at dawn or dusk, or while at night or in a tunnel, making a detectable object appear to be nearly the same color as its surroundings
- When driving in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a tunnel
- After the hybrid system has started the vehicle has not been driven for a certain amount of time
- While making a left/right turn and for a few seconds after making a left/right turn
- While driving on a curve and for a few seconds after driving on a curve
- If your vehicle is skidding
- If the front of the vehicle is raised or lowered



- If the wheels are misaligned
- If a wiper blade is blocking the front camera
- The vehicle is being driven at extremely high speeds
- When driving on a hill
- If the radar sensor or front camera is misaligned

● In some situations such as the following, sufficient braking force may not be obtained, preventing the system from performing properly:
- If the braking functions cannot operate to their full extent, such as when the brake parts are extremely cold, extremely hot, or wet
- If the vehicle is not properly maintained (brakes or tires are excessively worn, improper tire inflation pressure, etc.)
- When the vehicle is being driven on a gravel road or other slippery surface

■ If VSC is disabled

● If VSC is disabled (→P.382), the pre-collision brake assist and pre-collision braking functions are also disabled.

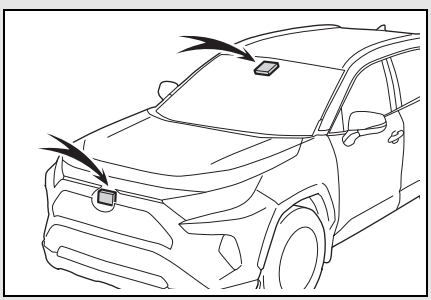
● The PCS warning light will turn on and “VSC Turned OFF Pre-Collision Brake System Unavailable” will be displayed on the multi-information display.

LTA (Lane Tracing Assist)

When driving on highways and freeways with white (yellow) lane lines, this function alerts the driver when the vehicle might depart from its lane or course* and provides assistance by operating the steering wheel to keep the vehicle in its lane or course*. Furthermore, the system provides steering assistance when dynamic radar cruise control with full-speed range is operating to keep the vehicle in its lane.

The LTA system recognizes white (yellow) lane lines or a course* using the front camera. Additionally, it detects preceding vehicles using the front camera and radar.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



WARNING

■ Before using LTA system

- Do not rely solely upon the LTA system. The LTA system does not automatically drive the vehicle or reduce the amount of attention that must be paid to the area in front of the vehicle. The driver must always assume full responsibility for driving safely by paying careful attention to the surrounding conditions and operating the steering wheel to correct the path of the vehicle. Also, the driver must take adequate breaks when fatigued, such as from driving for a long period of time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident, resulting in death or serious injury.
- When not using the LTA system, use the LTA switch to turn the system off.

■ Situations unsuitable for LTA system

In the following situations, use the LTA switch to turn the system off. Failure to do so may lead to an accident, resulting in death or serious injury.

- Vehicle is driven on a road surface which is slippery due to rainy weather, fallen snow, freezing, etc.
- Vehicle is driven on a snow-covered road.
- White (yellow) lines are difficult to see due to rain, snow, fog, dust, etc.
- Vehicle is driven in a temporary lane or restricted lane due to construction work.

WARNING

- Vehicle is driven in a construction zone.
- A spare tire, tire chains, etc. are equipped.
- When the tires have been excessively worn, or when the tire inflation pressure is low.
- When tires of a size other than specified are installed.
- Vehicle is driven in traffic lanes other than that highways and freeways.
- When your vehicle is towing a trailer or during emergency towing

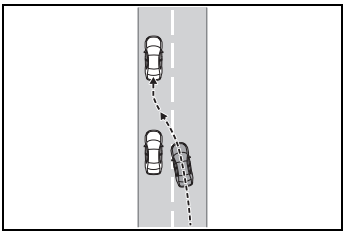
■ Preventing LTA system malfunctions and operations performed by mistake

- Do not modify the headlights or place stickers, etc. on the surface of the lights.
- Do not modify the suspension etc. If the suspension etc. needs to be replaced, contact your Toyota dealer.
- Do not install or place anything on the hood or grille. Also, do not install a grille guard (bull bars, kangaroo bar, etc.).
- If your windshield needs repairs, contact your Toyota dealer.

■ Conditions in which functions may not operate properly

In the following situations, the functions may not operate properly and the vehicle may depart from its lane. Drive safely by always paying careful attention to your surroundings and operate the steering wheel to correct the path of the vehicle without relying solely on the functions.

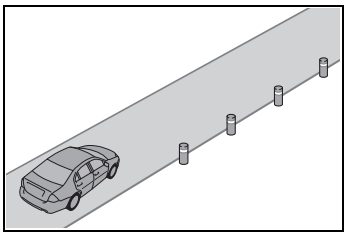
- When the follow-up cruising display is displayed (→P.328) and the preceding vehicle changes lanes. (Your vehicle may follow the preceding vehicle and also change lanes.)



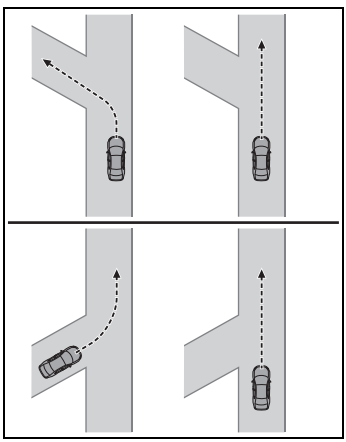
- When the follow-up cruising display is displayed (→P.328) and the preceding vehicle is swaying. (Your vehicle may sway accordingly and depart from the lane.)
- When the follow-up cruising display is displayed (→P.328) and the preceding vehicle departs from its lane. (Your vehicle may follow the preceding vehicle and depart from the lane.)
- When the follow-up cruising display is displayed (→P.328) and the preceding vehicle is being driven extremely close to the left/right lane line. (Your vehicle may follow the preceding vehicle and depart from the lane.)
- Vehicle is being driven around a sharp curve.

WARNING

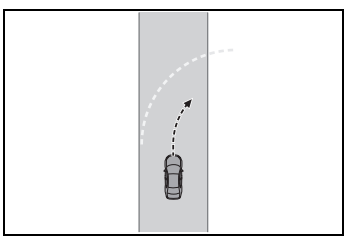
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, reflective poles, etc.).



- Vehicle is driven where the road diverges, merges, etc.



- Repair marks of asphalt, white (yellow) lines, etc. are present due to road repair.



- There are shadows on the road that run parallel with, or cover, the white (yellow) lines.
- The vehicle is driven in an area without white (yellow) lines, such as in front of a tollgate or checkpoint, or at an intersection, etc.
- The white (yellow) lines are cracked, “Botts’ dots”, “Raised pavement marker” or stones are present.
- The white (yellow) lines cannot be seen or are difficult to see due to sand, etc.
- The vehicle is driven on a road surface that is wet due to rain, puddles, etc.
- The traffic lines are yellow (which may be more difficult to recognize than lines that are white).
- The white (yellow) lines cross over a curb, etc.
- The vehicle is driven on a bright surface, such as concrete.
- If the edge of the road is not clear or straight.
- The vehicle is driven on a surface that is bright due to reflected light, etc.
- The vehicle is driven in an area where the brightness changes suddenly, such as at the entrances and exits of tunnels, etc.
- Light from the headlights of an oncoming vehicle, the sun, etc. enters the camera.
- The vehicle is driven on a slope.
- The vehicle is driven on a road which tilts left or right, or a winding road.
- The vehicle is driven on an unpaved or rough road.

WARNING

- The traffic lane is excessively narrow or wide.
- The vehicle is extremely tilted due to carrying heavy luggage or having improper tire pressure.
- The distance to the preceding vehicle is extremely short.
- The vehicle is moving up and down a large amount due to road conditions during driving (poor roads or road seams).
- When driving in a tunnel or at night with the headlights off or when a headlight is dim due to its lens being dirty or it being misaligned.
- The vehicle is struck by a crosswind.
- The vehicle is affected by wind from a vehicle driven in a nearby lane.
- The vehicle has just changed lanes or crossed an intersection.
- Tires which differ by structure, manufacturer, brand or tread pattern are used.
- Snow tires, etc. are equipped.
- The vehicle is being driven at extremely high speeds.

Functions included in LTA system

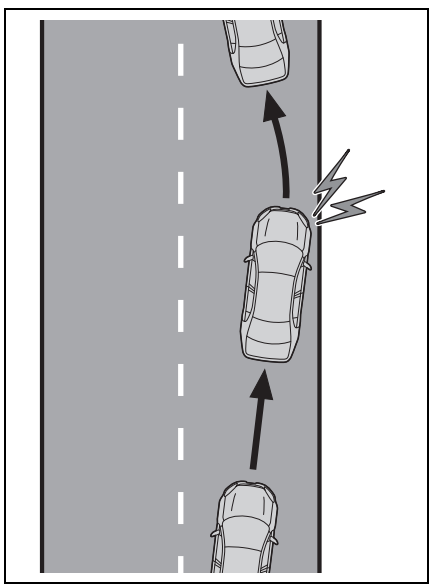
Lane departure alert function

When the system determines that the vehicle might depart from its lane or course*, a warning is displayed on the multi-information display, and either a warning buzzer will sound or the steering wheel will vibrate to alert the driver.

When the warning buzzer sounds or the steering wheel vibrates, check the area around your vehicle and carefully operate the steering wheel to move the vehicle back to the center of the lane.

When the system determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the lane departure alert will operate even if the turn signals are operating.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



Steering assist function

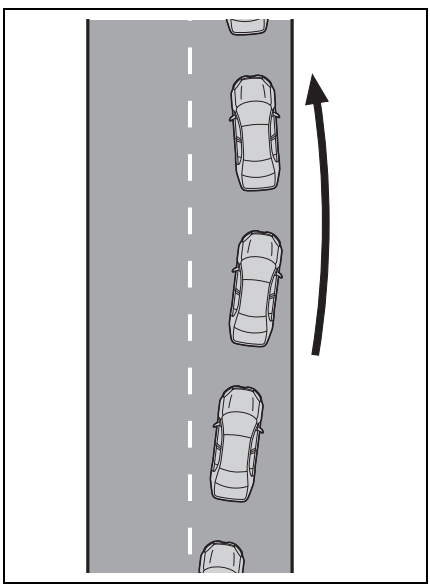
When the system determines that the vehicle might depart

from its lane or course*, the system provides assistance as necessary by operating the steering wheel in small amounts for a short period of time to keep the vehicle in its lane.

If the system detects that the steering wheel has not been operated for a fixed amount of time or the steering wheel is not being firmly gripped, a warning is displayed on the multi-information display and the function is temporarily canceled.

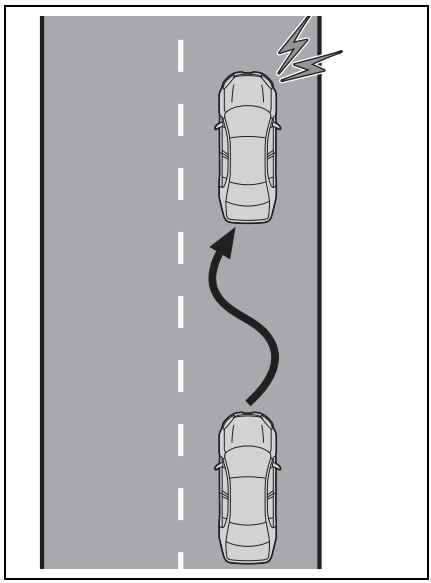
When the system determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the steering assist function will operate even if the turn signals are operating.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



■ Vehicle sway warning function

When the vehicle is swaying within a lane, the warning buzzer will sound and a message will be displayed on the multi-information display to alert the driver.



■ Lane centering function

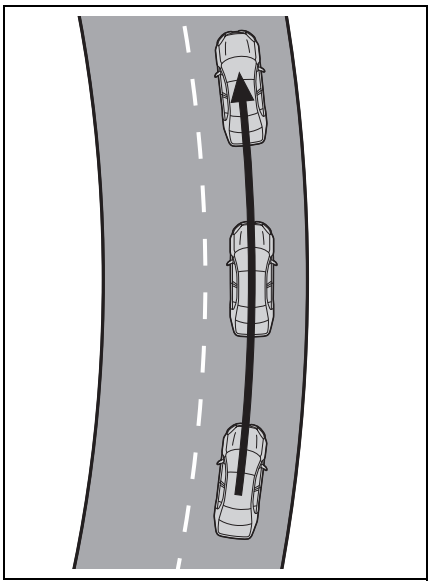
This function is linked with dynamic radar cruise control with full-speed range and provides the required assistance by operating the steering wheel to keep the vehicle in its current lane.

When dynamic radar cruise control with full-speed range is not operating, the lane centering function does not operate.

In situations where the white (yellow) lane lines are difficult to see or are not visible, such as when in a

traffic jam, this function will operate to help follow a preceding vehicle by monitoring the position of the preceding vehicle.

If the system detects that the steering wheel has not been operated for a fixed amount of time or the steering wheel is not being firmly gripped, a warning is displayed on the multi-information display and the function is temporarily canceled.



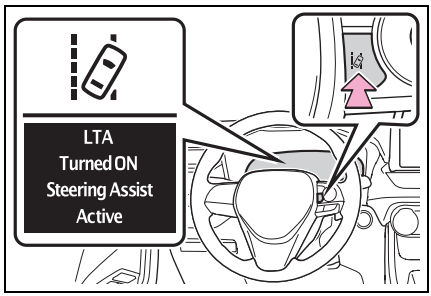
Turning LTA system on

Press the LTA switch to turn the LTA system on.

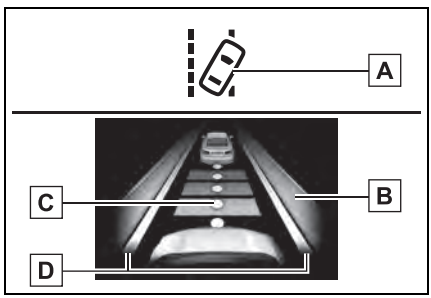
The LTA indicator illuminates and a message is displayed on the multi-information display.

Press the LTA switch again to turn the LTA system off.

When the LTA system is turned on or off, operation of the LTA system continues in the same condition the next time the hybrid system is started.



Indications on multi-information display



A LTA indicator

The illumination condition of the indicator informs the driver of the system operation status.

Illuminated in white: LTA system is operating.

Illuminated in green: Steering wheel assistance of the steering assist function or lane centering function is operating.

Flashing in orange: Lane departure alert function is operating.

B Operation display of steering wheel operation support

Displayed when the multi-information display is switched to the driving support system information display.

Indicates that steering wheel assistance of the steering assist function or lane centering function is operating.

Both outer sides of the lane are displayed: Indicates that steering wheel assist of the lane centering function is operating.

One outer side of the lane is displayed: Indicates that steering wheel assist of the steering assist function is operating.

Both outer sides of the lane are flashing: Alerts the driver that their input is necessary to stay in the center of the lane (lane centering function).

C Follow-up cruising display

Displayed when the multi-information display is switched to the driving support system information display.

Indicates that steering assist of the lane centering function is operating by monitoring the position of a preceding vehicle.

When the follow-up cruising display is displayed, if the preceding vehicle moves, your vehicle may move in the same way. Always pay careful attention to your surroundings and operate the steering wheel as necessary to correct the path of the vehicle and ensure safety.

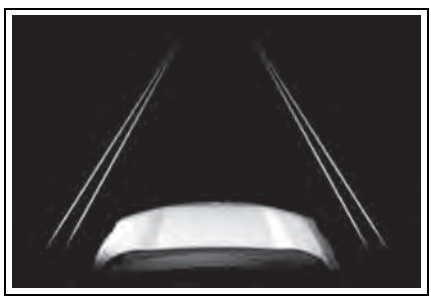
D Lane departure alert function display

Displayed when the multi-information display is switched to the driving support system information display.

- Inside of displayed lines is white

Indicates that the system is recognizing white (yellow) lines or a course*. When the vehicle departs from its lane, the white line displayed on the side the vehicle departs from flashes orange.

- Inside of displayed lines is black



Indicates that the system is not able to recognize white (yellow) lines or a course* or is temporarily canceled.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

■ Operation conditions of each function

● Lane departure alert function

This function operates when all of the following conditions are met.

- LTA is turned on.
- Vehicle speed is approximately 32 mph (50 km/h) or more.*1
- System recognizes white (yellow) lane lines or a course*2. (When a white [yellow] line or course*2 is recognized on only one side, the system will operate only for the recognized side.)
- Width of traffic lane is approximately 9.8 ft. (3 m) or more.
- Turn signal lever is not operated. (Except when another vehicle is in the lane on the side where the turn signal was operated)
- Vehicle is not being driven around a sharp curve.
- No system malfunctions are detected. (→P.332)

*1: The function operates even if the vehicle speed is less than approximately 32 mph (50 km/h) when the lane centering function is operating.

*2: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

● Steering assist function

This function operates when all of the following conditions are met in addition to the operation conditions for the lane departure alert function.

- Setting for “Steering Assist” in the screen of the multi-information display is set to “ON”. (→P.170)
- Vehicle is not accelerated or decelerated by a fixed amount or more.
- Steering wheel is not operated with a steering force level suitable for changing lanes.
- ABS, VSC, TRAC and PCS are not operating.
- TRAC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P.331)

● Vehicle sway warning function

This function operates when all of the following conditions are met.

- Setting for “Sway Warning” in the screen of the multi-information display is set to “ON”. (→P.170)
- Vehicle speed is approximately 32 mph (50 km/h) or more.
- Width of traffic lane is approximately 9.8 ft. (3 m) or more.
- No system malfunctions are detected. (→P.332)

● Lane centering function

This function operates when all of the following conditions are met.

- LTA is turned on.
- Setting for “Steering Assist” and “Lane Center” in the screen of the multi-information display are set to “ON”. (→P.170)
- This function recognizes white (yellow) lane lines or the position of a preceding vehicle (except when the preceding vehicle is small, such as a motorcycle).
- The dynamic radar cruise control with full-speed range is operating in vehicle-to-vehicle distance control mode.
- Width of traffic lane is approximately 10 to 13 ft. (3 to 4 m).
- Turn signal lever is not operated.
- Vehicle is not being driven around a sharp curve.
- No system malfunctions are detected. (→P.332)
- Vehicle does not accelerate or decelerate by a fixed amount or more.
- Steering wheel is not operated with a steering force level suitable for changing lanes.
- ABS, VSC, TRAC and PCS are not operating.
- TRAC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P.331)
- The vehicle is being driven in the center of a lane.
- Steering assist function is not operating.

■ **Temporary cancelation of functions**

- When operation conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function is automatically restored. (→P.329)
- If the operation conditions (→P.329) are no longer met while the lane centering function is operating, the steering wheel may vibrate and the buzzer may sound to indicate that the function has been temporarily canceled. However, if the "Alert" customization setting is set to "Steering wheel vibration", the system will notify the driver by vibrating the steering wheel instead of sounding the buzzer.

■ **Steering assist function/lane centering function**

- Depending on the vehicle speed, lane departure situation, road conditions, etc., the driver may not feel the function is operating or the function may not operate at all.
- The steering control of the function is overridden by the driver's steering wheel operation.
- Do not attempt to test the operation of the steering assist function.

■ **Lane departure alert function**

- The warning buzzer may be difficult to hear due to external noise, audio playback, etc. Also, it may be difficult to feel steering wheel vibrations due to the road conditions, etc.
- If the edge of the course* is not clear or straight, the lane departure alert function may not operate.
- It may not be possible for the system to determine if there is a danger of a collision with a vehicle in an adjacent lane.
- Do not attempt to test the operation of the lane departure alert function.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

■ **Hands off steering wheel warning**

In the following situations, a warning message urging the driver to hold the steering wheel and the symbol shown in the illustration are displayed on the multi-information display to warn the driver. The warning stops when the system determines that the driver holds the steering wheel. Always keep your hands on the steering wheel when using this system, regardless of warnings.

- When the system determines that the driver is driving without holding the steering wheel while the system is operating

If the driver continues to keep their hands off of the steering wheel, the buzzer sounds, the driver is warned and the function is temporarily canceled. This warning also operates in the same way when the driver continuously operates the steering wheel only a small amount.
The buzzer also sounds even if the alert type is set to "Steering wheel vibration".

- When the system determines that the vehicle may not turn and instead depart from its lane while driving around a curve

Depending on the vehicle condition and road conditions, the warning may not operate. Also, if the system determines that the vehicle is driving around a curve, warnings will occur earlier than during straight-lane driving.

- When the system determines that the driver is driving without holding the steering wheel while the steering wheel assist of the steering assist function is operating.

If the driver continues to keep their hands off of the steering wheel and the steering wheel assist is operating, the buzzer sounds and the driver is warned. Each time the buzzer sounds, the continuing time of the buzzer becomes longer.
The buzzer also sounds even if the alert type is set to “Steering wheel vibration”.

■ Vehicle sway warning function

When the system determines that the vehicle is swaying while the vehicle sway warning function is operating, a buzzer sounds and a warning message urging the driver to rest and the symbol shown in the illustration are simultaneously displayed on the multi-information display.

Depending on the vehicle and road conditions, the warning may not operate.

■ Warning message

If the following warning message is displayed on the multi-information display and the LTA indicator illuminates in orange, follow the appropriate troubleshooting procedure. Also, if a different warning message is displayed, follow the instructions displayed on the screen.

- “LTA Malfunction Visit Your Dealer”

The system may not be operating properly. Have the vehicle inspected by your Toyota dealer.

- “LTA Unavailable”

The system is temporarily canceled due to a malfunction in a sensor other than the front camera. Turn the LTA system off, wait for a little while, and then turn the LTA system back on.

- “LTA Unavailable at Current Speed”

The function cannot be used as the vehicle speed exceeds the LTA operation range. Drive slower.

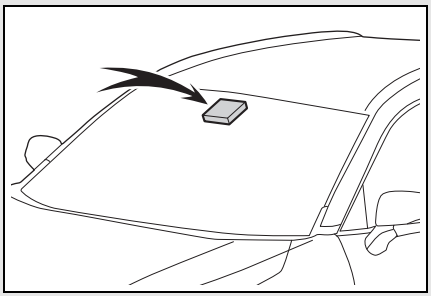
■ Customization

Function settings can be changed. (→P.177)

RSA (Road Sign Assist)*

*: If equipped

The RSA system recognizes specific road signs using the front camera to provide information to the driver via the display.



If the system judges that the vehicle is being driven over the speed limit, performing prohibited actions, etc. according to the recognized road signs, it notifies the driver through a visual notification and notification buzzer.

WARNING

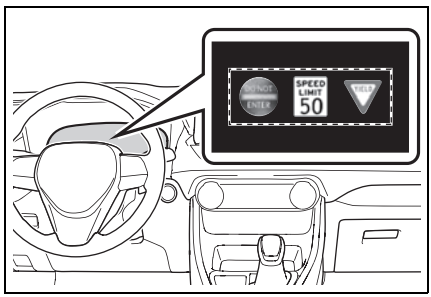
■ Before using the RSA

Do not rely solely upon the RSA system. RSA is a system which supports the driver by providing information, but it is not a replacement for a driver's own vision and awareness. Drive safely by always paying careful attention to the traffic rules.

Indication on the multi-information display

When the front camera recognizes a sign, the sign will be displayed on the multi-information display.

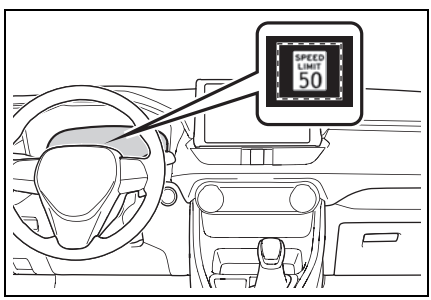
- When the driving support system information display is selected, a maximum of 3 signs can be displayed. (→P.170)



- When a tab other than the driving support system information display is selected, the following types of road signs will be displayed. (→P.170)

• Speed limit sign

• Do Not Enter sign (when notification is necessary)



If signs other than speed limit signs are recognized, they will

be displayed in an overlapping stack under the current speed limit sign.

Supported types of road signs

The following types of road signs, including electronic signs and blinking signs, are recognized.

A non-official or a recently introduced traffic sign may not be recognized.

Speed limit

Do Not Enter

Stop

Yield

Notification function

In the following situations, the RSA system will notify the driver.

- When the vehicle speed exceeds the speed notification threshold of the speed limit sign displayed, the sign display will be emphasized and a buzzer will sound.
- When the RSA system recognizes a do not enter sign and determines that your vehicle has entered a no-entry area, the displayed sign will flash and a buzzer will sound.

Depending on the situation, a notification function may not operate properly.

■ Setting procedure

→P.177

■ Automatic turn-off of RSA sign display

In the following situations, a displayed speed limit sign and/or do not enter sign will stop being displayed automatically:

- No sign has been recognized for a certain distance.
- The road changes due to a left or right turn, etc.

In the following situations, stop and yield signs will stop being displayed automatically:

- The system determines that your vehicle has passed the sign.
- The road changes due to a left or right turn, etc.

■ Conditions in which the function may not operate or detect correctly

In the following situations, RSA does not operate normally and may not recognize signs, display the incorrect sign, etc. However, this does not indicate a malfunction.

- The front camera is misaligned due to a strong impact being applied to the sensor, etc.
- Dirt, snow, stickers, etc. are on the windshield near the front camera.
- In inclement weather such as heavy rain, fog, snow or sand storms.
- Light from an oncoming vehicle,

the sun, etc. enters the front camera.

- The sign is dirty, faded, tilted or bent.
- The contrast of electronic sign is low.
- All or part of the sign is hidden by the leaves of a tree, a pole, etc.
- The sign is only visible to the front camera for a short amount of time.
- The driving scene (turning, lane change, etc.) is judged incorrectly.
- If a sign not appropriate for the currently traveled lane, but the sign exists directly after a freeway branches, or in an adjacent lane just before merging.
- Stickers are attached to the rear of the preceding vehicle.
- A sign resembling a system compatible sign is recognized.
- Side road speed signs may be detected and displayed (if positioned in sight of the front camera) while the vehicle is traveling on the main road.
- Roundabout exit road speed signs may be detected and displayed (if positioned in sight of the front camera) while traveling on a roundabout.
- The front of the vehicle is raised or lowered due to the carried load.
- The surrounding brightness is not sufficient or changes suddenly.
- When a sign intended for trucks, etc. is recognized.
- The speed information displayed on the meter and on the navigation system may be different due to the navigation system using map data.

■ Speed limit sign display

If the power switch was last turned off while a speed limit sign was displayed on the multi-information display, the same sign displays again when the power switch is turned to ON.

■ If “RSA Malfunction Visit Your Dealer” is shown

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

■ Customization

Some functions can be customized. (Customizable features: →P.177)

Dynamic radar cruise control with full-speed range

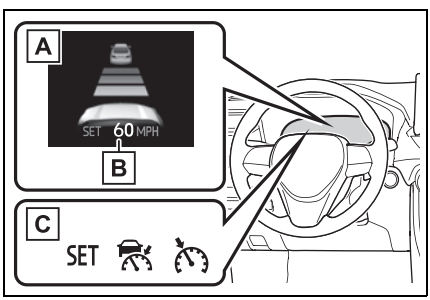
In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates, decelerates and stops to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.

Use the dynamic radar cruise control with full-speed range on freeways and highways.

- Vehicle-to-vehicle distance control mode (→P.339)
- Constant speed control mode (→P.343)

System Components

■ Meter display

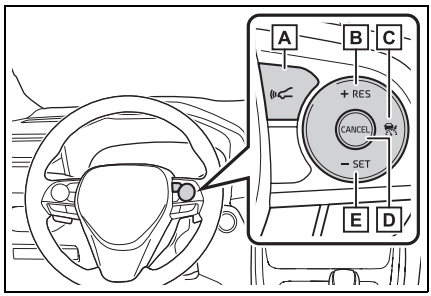


A Multi-information display

B Set speed

C Indicators

■ Operation switches



A Vehicle-to-vehicle distance switch

B "+RES" switch

C Cruise control main switch

D Cancel switch

E "-SET" switch

WARNING

■ Before using dynamic radar cruise control with full-speed range

- Driving safely is the sole responsibility of the driver. Do not rely solely on the system, and drive safely by always paying careful attention to your surroundings.

WARNING

- The dynamic radar cruise control with full-speed range provides driving assistance to reduce the driver's burden. However, there are limitations to the assistance provided.

Read the following conditions carefully. Do not overly rely on this system and always drive carefully.

- When the sensor may not be correctly detecting the vehicle ahead: →P.345
- Conditions under which the vehicle-to-vehicle distance control mode may not function correctly: →P.346

- Set the speed appropriately depending on the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for checking the set speed.

- Even when the system is functioning normally, the condition of the preceding vehicle as detected by the system may differ from the condition observed by the driver. Therefore, the driver must always remain alert, assess the danger of each situation and drive safely. Relying solely on this system or assuming the system ensures safety while driving can lead to an accident, resulting in death or serious injury.

- Switch the dynamic radar cruise control with full-speed range setting to off, using the cruise control main switch when not in use.

■ Cautions regarding the driving assist systems

Observe the following precautions, as there are limitations to the assistance provided by the system. Failure to do so may cause an accident resulting in death or serious injury.

- Assisting the driver to measure following distance

The dynamic radar cruise control with full-speed range is only intended to help the driver in determining the following distance between the driver's own vehicle and a designated vehicle traveling ahead. It is not a mechanism that allows careless or inattentive driving, and it is not a system that can assist the driver in low-visibility conditions.

It is still necessary for driver to pay close attention to the vehicle's surroundings.

- Assisting the driver to judge proper following distance

The dynamic radar cruise control with full-speed range determines whether the following distance between the driver's own vehicle and a designated vehicle traveling ahead 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 in any given situation.

WARNING

- Assisting the driver to operate the vehicle

The dynamic radar cruise control with full-speed range 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 the safety of all involved.

■ Situations unsuitable for dynamic radar cruise control with full-speed range

Do not use dynamic radar cruise control with full-speed range in any of the following situations. Doing so may result in inappropriate speed control and could cause an accident resulting in death or serious injury.

- Roads where there are pedestrians, cyclists, etc.
- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients

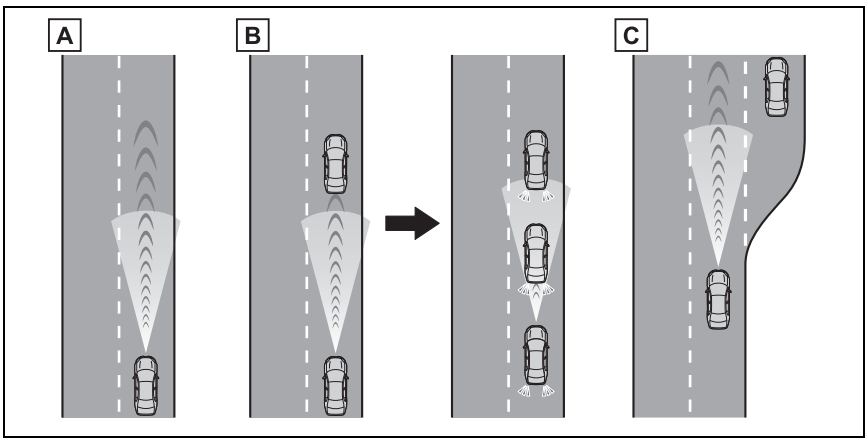
Vehicle speed may exceed the set speed when driving down a steep hill.

- At entrances to freeways and highways
- When weather conditions are bad enough that they may prevent the sensors from detecting correctly (fog, snow, sandstorm, heavy rain, etc.)
- When there is rain, snow, etc. on the front surface of the radar or front camera
- In traffic conditions that require frequent repeated acceleration and deceleration
- When your vehicle is towing a trailer or during emergency towing
- When an approach warning buzzer is heard often

Driving in vehicle-to-vehicle distance control mode

This mode employs a radar to detect the presence of vehicles up to approximately 328 ft. (100 m) ahead, determines the current vehicle-to-vehicle following distance, and operates to maintain a suitable following distance from the vehicle ahead. The desired vehicle-to-vehicle distance can also be set by operating the vehicle-to-vehicle distance switch.

When driving on downhill slopes, the vehicle-to-vehicle distance may become shorter.



A Example of constant speed cruising
When there are no vehicles ahead

The vehicle travels at the speed set by the driver.

B Example of deceleration cruising and follow-up cruising
When a preceding vehicle driving slower than the set speed appears

When a vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system applies the brakes (the stop lights will come on at this time). The system will respond to changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver. Approach warning warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.

When the vehicle ahead of you stops, your vehicle will also stop (vehicle is stopped by system control). After the vehicle ahead starts off, pressing the “+RES” switch or depressing the accelerator pedal (start-off operation) will resume follow-up cruising. If the start-off operation is not performed, system

control continues to keep your vehicle stopped.

When the turn signal lever is operated and your vehicle moves to an overtaking lane while driving at 50 mph (80 km/h) or more, the vehicle will accelerate to help to overtake a passing vehicle.

The system's identification of what is an overtaking lane may be determined solely based on the location of the steering wheel in the vehicle (left side driver position versus right side driver position.) If the vehicle is driven to a region where the overtaking lane is on a different side from where the vehicle is normally driven, the vehicle may accelerate when the turn signal lever is operated in the opposite direction to the overtaking lane (e.g., if the driver normally operates the vehicle in a region where the overtaking lane is to the right but then drives to a region where the overtaking lane is to the left, the vehicle may accelerate when the right turn signal is activated).

C Example of acceleration

When there are no longer any preceding vehicles driving slower than the set speed

The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

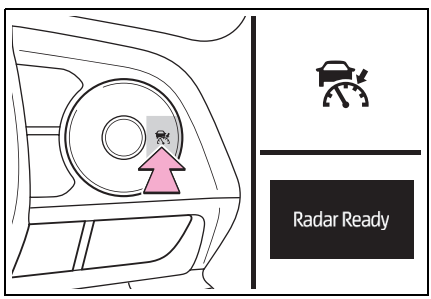
Setting the vehicle speed (vehicle-to-vehicle distance control mode)

1 Press the cruise control main switch to activate the cruise control.

Dynamic radar cruise control indicator will come on and a message will be displayed on the multi-information display. Press the switch again to deactivate the cruise control.

If the cruise control main switch is pressed and held for 1.5 seconds or more, the system turns on in constant speed control mode.

(→P.343)

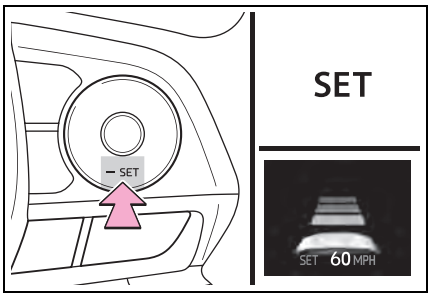


2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 20 mph [30 km/h]) and press the "-SET" switch to set the speed.

Cruise control "SET" indicator will come on.

The vehicle speed at the moment the switch is released becomes the

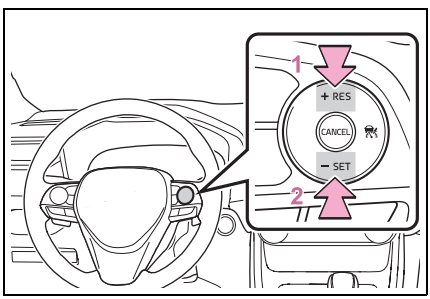
set speed.



Adjusting the set speed

- Adjusting the set speed by the switch

To change the set speed, press the “+RES” or “-SET” switch until the desired set speed is displayed.



1 Increases the speed (Except when the vehicle has been stopped by system control in vehicle-to-vehicle distance control mode)

2 Decreases the speed

Fine adjustment: Press the switch.

Large adjustment: Press and hold the switch to change the speed, and release when the desired speed is reached.

In the vehicle-to-vehicle distance control mode, the set speed will be increased or decreased as follows:

▶ For the U.S. mainland and Hawaii

Fine adjustment: By 1 mph (1.6 km/h)*1 or 1 km/h (0.6 mph)*2 each time the switch is pressed

Large adjustment: Increases or decreases in 1 mph (1.6 km/h)*1 or 1 km/h (0.6 mph)*2 increments for as long as the switch is held

▶ Except for the U.S. mainland and Hawaii

Fine adjustment: By 1 mph (1.6 km/h)*1 or 1 km/h (0.6 mph)*2 each time the switch is pressed

Large adjustment: Increases or decreases in 5 mph (8 km/h)*1 or 5 km/h (3.1 mph)*2 increments for as long as the switch is held

In the constant speed control mode (→P.343), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 mph (1.6 km/h)*1 or 1 km/h (0.6 mph)*2 each time the switch is pressed

Large adjustment: The speed will continue to change while the switch is held.

*1: When the set speed is shown in “MPH”

*2: When the set speed is shown in “km/h”

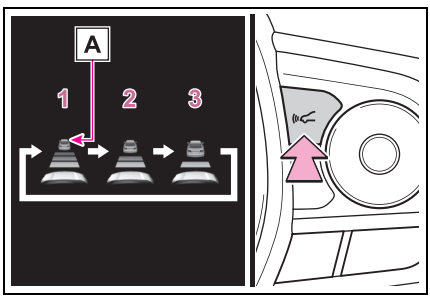
- Increasing the set speed by the accelerator pedal

1 Accelerate with accelerator pedal operation to the desired vehicle speed

2 Press the “-SET” switch

Changing the vehicle-to-vehicle distance (vehicle-to-vehicle distance control mode)

Pressing the switch changes the vehicle-to-vehicle distance as follows:



1 Long

2 Medium

3 Short

The vehicle-to-vehicle distance is set automatically to long mode when the power switch is turned to ON.

If a vehicle is running ahead of you, the preceding vehicle mark A will also be displayed.

Vehicle-to-vehicle distance settings (vehicle-to-vehicle distance control mode)

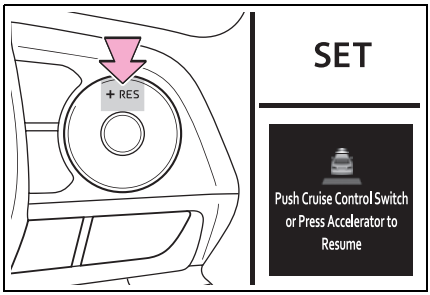
Select a distance from the table below. Note that the distances shown correspond to a vehicle speed of 50 mph (80 km/h). Vehicle-to-vehicle distance increases/decreases in accordance with vehicle speed. When the vehicle is stopped by system control, the vehicle stops at a certain vehicle-to-vehicle distance depending on the situation.

Distance options	Vehicle-to-vehicle distance
Long	Approximately 160 ft. (50 m)
Medium	Approximately 130 ft. (40 m)
Short	Approximately 100 ft. (30 m)

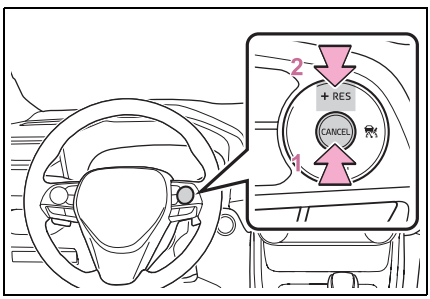
Resuming follow-up cruising when the vehicle has been stopped by system control (vehicle-to-vehicle distance control mode)

After the vehicle ahead of you starts off, press the “+RES” switch.

Your vehicle will also resume follow-up cruising if the accelerator pedal is depressed after the vehicle ahead of you starts off.



Canceling and resuming the speed control



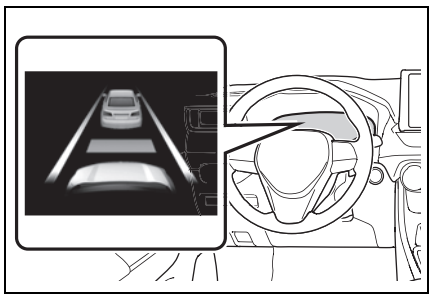
1 Pressing the cancel switch cancels the speed control.

The speed control is also canceled when the brake pedal is depressed. (When the vehicle has been stopped by system control, depressing the brake pedal does not cancel the setting.)

2 Pressing the “+RES” switch resumes the cruise control and returns vehicle speed to the set speed.

Approach warning (vehicle-to-vehicle distance control mode)

When your vehicle is too close to a vehicle ahead, and sufficient automatic deceleration via the cruise control is not possible, the display will flash and the buzzer will sound to alert the driver. An example of this would be if another driver cuts in front of you while you are following a vehicle. Depress the brake pedal to ensure an appropriate vehicle-to-vehicle distance.



Warnings may not occur when

In the following instances, warnings may not occur even when the vehicle-to-vehicle distance is small.

- When the speed of the preceding vehicle matches or exceeds your vehicle speed
- When the preceding vehicle is traveling at an extremely slow speed
- Immediately after the cruise control speed was set
- When depressing the accelerator pedal

Selecting constant speed control mode

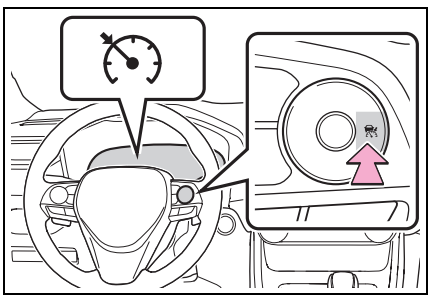
When constant speed control

mode is selected, your vehicle will maintain a set speed without controlling the vehicle-to-vehicle distance. Select this mode only when vehicle-to-vehicle distance control mode does not function correctly due to a dirty radar, etc.

1 With the cruise control off, press and hold the cruise control main switch for 1.5 seconds or more.

Immediately after the switch is pressed, the dynamic radar cruise control indicator will come on. Afterwards, it switches to the cruise control indicator.

Switching to constant speed control mode is only possible when operating the switch with the cruise control off.



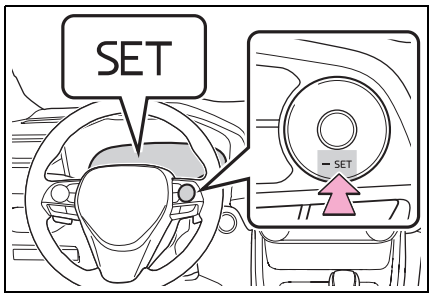
2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 20 mph [30 km/h]) and press the “-SET” switch to set the speed.

Cruise control “SET” indicator will come on.

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

Adjusting the speed setting: →P.341

Canceling and resuming the speed setting: →P.343



■ **Dynamic radar cruise control with full-speed range can be set when**

- The shift lever is in D.
- The desired set speed can be set when the vehicle speed is approximately 20 mph (30 km/h) or more. (However, when the vehicle speed is set while driving at below approximately 20 mph [30 km/h], the set speed will be set to approximately 20 mph [30 km/h].)

■ **Accelerating after setting the vehicle speed**

The vehicle can accelerate by operating the accelerator pedal. After accelerating, the set speed resumes. However, during vehicle-to-vehicle distance control mode, the vehicle speed may decrease below the set speed in order to maintain the distance to the preceding vehicle.

■ **When the vehicle stops while follow-up cruising**

- Pressing the “+RES” switch while the vehicle ahead stops will resume follow-up cruising if the vehicle ahead starts off within approximately 3 seconds after the switch is pressed.
- If the vehicle ahead starts off within 3 seconds after your vehicle stops, follow-up cruising will be

resumed.

■ **Automatic cancelation of vehicle-to-vehicle distance control mode**

Vehicle-to-vehicle distance control mode is automatically canceled in the following situations.

- VSC is activated.
- TRAC is activated for a period of time.
- When the VSC or TRAC system is turned off.
- The sensor cannot detect correctly because it is covered in some way.
- Pre-collision braking is activated.
- The parking brake is operated.
- The vehicle is stopped by system control on a steep incline.
- The following are detected when the vehicle has been stopped by system control:
  - The driver is not wearing a seat belt.
  - The driver's door is opened.
  - The vehicle has been stopped for about 3 minutes

If vehicle-to-vehicle distance control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

■ **Automatic cancelation of constant speed control mode**

Constant speed control mode is automatically canceled in the following situations:

- Actual vehicle speed is more than approximately 10 mph (16 km/h) below the set vehicle speed.
- Actual vehicle speed falls below approximately 20 mph (30 km/h).
- VSC is activated.
- TRAC is activated for a period of time.
- When the VSC or TRAC system is turned off.
- Pre-collision braking is activated.
- The parking brake is operated.

If constant speed control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

■ **Brake operation**

A brake operation sound may be heard and the brake pedal response may change, but these are not malfunctions.

■ **Warning messages and buzzers for dynamic radar cruise control with full-speed range**

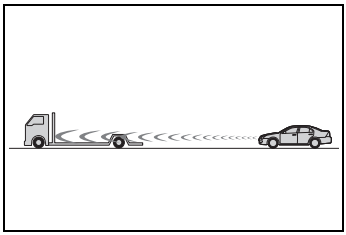
Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution while driving. If a warning message is shown on the multi-information display, read the message and follow the instructions. (→P.313, 523)

■ **When the sensor may not be correctly detecting the vehicle ahead**

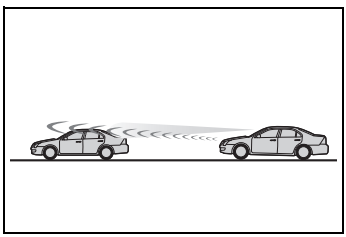
In the case of the following and depending on the conditions, operate the brake pedal when deceleration of the system is insufficient or operate the accelerator pedal when acceleration is required.

As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P.343) may not be activated.

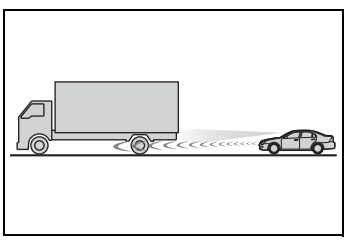
- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board, etc.)



- Motorcycles traveling in the same lane
- When water or snow thrown up by the surrounding vehicles hinders the detecting of the sensor
- When your vehicle is pointing upwards (caused by a heavy load in the luggage compartment, etc.)



- Preceding vehicle has an extremely high ground clearance

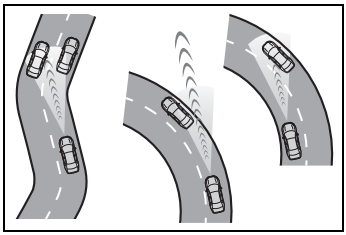


■ **Conditions under which the vehicle-to-vehicle distance control mode may not function correctly**

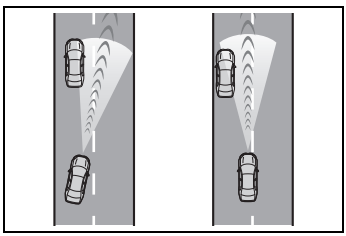
In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

As the sensor may not be able to correctly detect vehicles ahead, the system may not operate properly.

- When the road curves or when the lanes are narrow



- When steering wheel operation or your position in the lane is unstable



- When the vehicle ahead of you decelerates suddenly
- When driving on a road surrounded by a structure, such as in a tunnel or on a bridge
- While the vehicle speed is decreasing to the set speed after the vehicle accelerates by depressing the accelerator pedal

BSM (Blind Spot Monitor)

The Blind Spot Monitor is a system that has 2 functions:

- The BSM (Blind Spot Monitor) function

Assists the driver in making a decision when changing lanes

- The RCTA (Rear Cross Traffic Alert) function

Assists the driver when backing up

These functions use the same sensors.

WARNING

■ Cautions regarding the use of the BSM function

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
The BSM function 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 BSM function. 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.

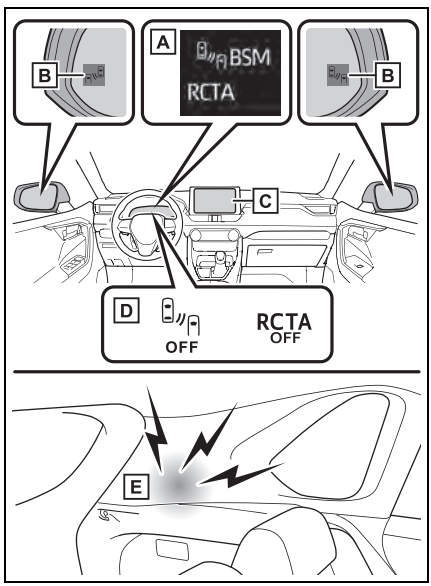
■ Cautions regarding the use of the RCTA function

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.

System components



A Multi-information display

Turning the BSM function/RCTA function on/off.

B Outside rear view mirror indicators

BSM function:
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 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.

RCTA function:
When a vehicle approaching from the right or left at the rear of the vehicle is detected, both outside rear view mirror indicators will flash.

C Monitor screen display (RCTA function only)

If a vehicle approaching from the right or left at the rear of the vehicle is detected, the RCTA icon (→P.353) for the detected side will be displayed.

D BSM OFF indicator/RCTA OFF indicator

When the Blind Spot Monitor is disabled, the BSM OFF indicator illuminates.

When the RCTA function is disabled, the RCTA OFF indicator illuminates.

E RCTA buzzer (RCTA function only)

If a vehicle approaching from the right or left at the rear of the vehicle is detected, a buzzer will sound from behind the rear seat.

Turning the BSM function/RCTA function on/off

The BSM function and the RCTA function can be enabled/disabled on the ⚙ screen of the multi-information display. (→P.177)

The BSM function/RCTA function will be enabled each time the power switch is turned to ON.

■ Outside rear view mirror indicators 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 high audio volume.

■ When "Blind Spot Monitor Unavailable" or "Rear Cross Traffic Alert Unavailable" is shown on the multi-information display

The sensor voltage has become abnormal, or water, snow, mud, etc., may be built up in the vicinity of the sensor area of the rear bumper. (→P.350)
Removing the water, snow, mud, etc., from the vicinity of the sensor area should return it to normal. Also, the sensor may not function normally when used in extremely hot or cold weather.

■ When "Blind Spot Monitor Malfunction Visit Your Dealer" or "Rear Cross Traffic Alert Malfunction Visit Your Dealer" is shown on the multi-information display

There may be a sensor malfunction or misaligned. Have the vehicle inspected at a Toyota dealer.

■ Customization

Some functions can be customized. (→P.177)

■ **Certification for the Blind Spot Monitor**

▶ For vehicles sold in the U.S.A. and Hawaii

FCC ID : OAYSRR3A

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

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

▶ For vehicles sold in Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Frequency bands: 24.05 – 24.25 GHz
The field strength of SRR3-A is below 250 millivolts/m measured at 3 metres with an average detector.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement é conomique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

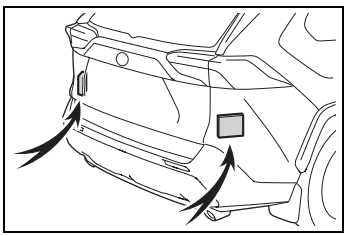
1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Bande de fréquence: 24.05 – 24.25 GHz
L'intensité du champ de SRR3-A est en dessous de 250 mV / m à 3 mè tres mesuré avec un détecteur à valeur moyenne.

WARNING

■ Handling the radar sensor

Blind Spot Monitor sensors are installed inside the left and right sides of the rear bumper respectively. Observe the following to ensure the Blind Spot Monitor can function correctly.

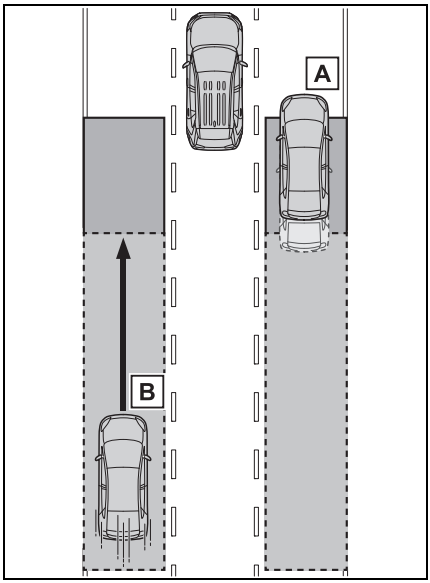


- Keep the sensors and the surrounding areas on the rear bumper clean at all times.
  If a sensor or its surrounding area on the rear bumper is dirty or covered with snow, the Blind Spot Monitor may not operate and a warning message (→P.348) will be displayed. In this situation, clear off the dirt or snow and drive the vehicle with the operation conditions of the BSM function (→P.352) satisfied for approximately 10 minutes. If the warning message does not disappear, have the vehicle inspected by your Toyota dealer.
- 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.
- Do not disassemble the sensor.
- Do not attach accessories, stickers (including transparent stickers), aluminum tape, etc. to a sensor or its surrounding area on the rear bumper.
- 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.
- Do not paint the rear bumper any color other than an official Toyota color.

The Blind Spot Monitor function

■ Vehicles that can be detected by the Blind Spot Monitor

The BSM function uses 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.

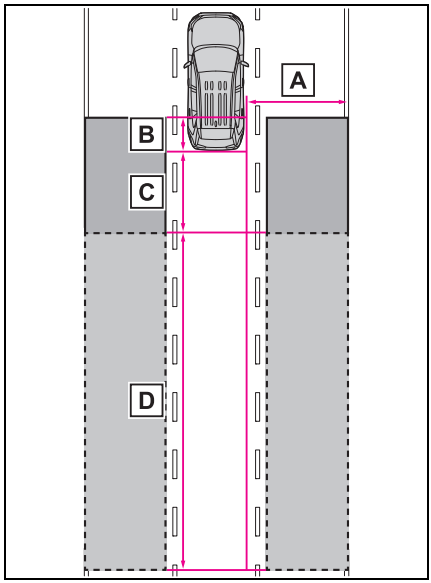


A Vehicles that are traveling in areas that are not visible using the outside rear view mirrors (the blind spots)

B Vehicles that are approaching rapidly from behind in areas that are not visible using the outside rear view mirrors (the blind spots)

■ The BSM function detection areas

The areas that vehicles can be detected in are outlined below.



The range of each detection area is:

A Approximately 1.6 ft. (0.5 m) to 11.5 ft. (3.5 m) from either side of the vehicle

The area between the side of the vehicle and 1.6 ft. (0.5 m) from the side of the vehicle cannot be detected.

B Approximately 3.3 ft. (1 m) forward of the rear bumper

C Approximately 9.8 ft. (3 m) from the rear bumper

D Approximately 9.8 ft. (3 m) to 197 ft. (60 m) from the rear bumper

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 BSM function is operational when**

The BSM function is operational when all of the following conditions are met:

- The BSM function is on.
- The shift lever is in a position other than R.
- The vehicle speed is greater than approximately 10 mph (16 km/h).

■ **The BSM function will detect a vehicle when**

The BSM function 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.

■ **Conditions under which the BSM function will not detect a vehicle**

The BSM function is not designed to detect the following types of vehicles and/or 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 under which the BSM function may not function correctly**

- The BSM 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 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

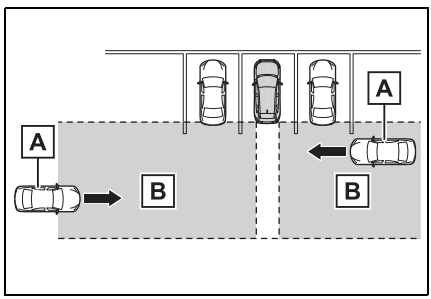
when driving on the edge of a lane, and the vehicle in an adjacent lane is far away from your vehicle
- When an accessory (such as a bicycle carrier) is installed to the rear of the vehicle
- When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
- Immediately after the BSM function/RCTA function are turned on
- When towing a trailer

● Instances of the BSM function 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 the vehicle throws up water or snow behind.

The Rear Cross Traffic Alert function

■ Operation of the RCTA function

The RCTA function uses 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.



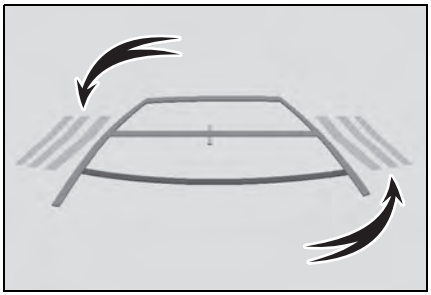
A Approaching vehicles

B Detection areas

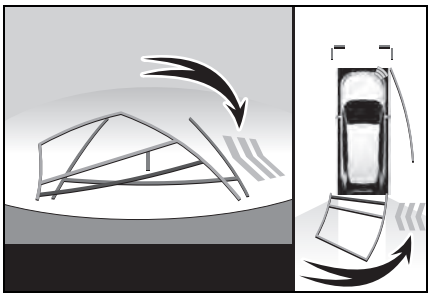
■ RCTA icon display

When a vehicle approaching from the right or left at the rear of the vehicle is detected, the following will be displayed on the navigation system (if equipped) or multimedia system (if equipped) screen.

● When the Toyota parking assist monitor (if equipped) is displayed

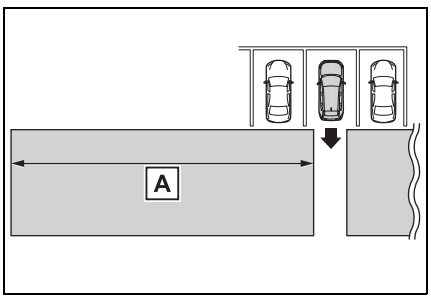


● When the panoramic view monitor (if equipped) is displayed



■ The 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
Fast	18 mph (28 km/h)	65 ft. (20 m)
Slow	5 mph (8 km/h)	18 ft. (5.5 m)

■ The RCTA function is operational when

The RCTA function operates when all of the following conditions are met:

- The RCTA function is on.
- The shift lever is in R.
- The vehicle speed is less than approximately 5 mph (8 km/h).
- The approaching vehicle speed is between approximately 5 mph (8 km/h) and 18 mph (28 km/h).

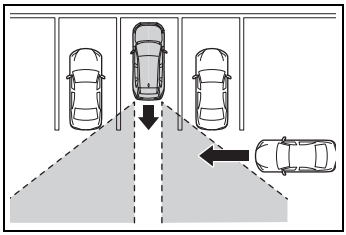
■ Setting the buzzer volume

The buzzer volume can be adjusted on the multi-information display. (→P.177)

■ Conditions under which the RCTA function 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

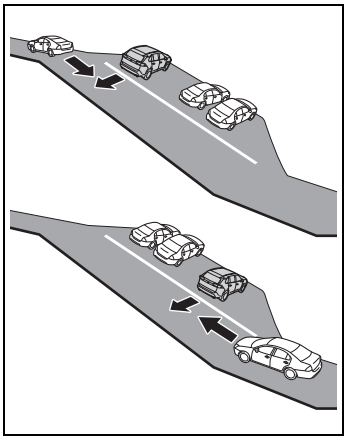


- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*

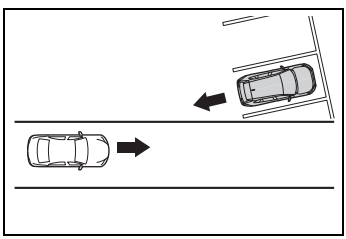
*: Depending on conditions, detection of a vehicle and/or object may occur.

Conditions under which the RCTA function may not function correctly

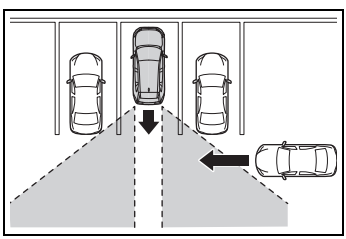
- The RCTA function may not detect vehicles correctly in the following situations:
  - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
  - When mud, snow, ice, a sticker, etc. is covering the sensor or surrounding area on the rear bumper
  - When driving on 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 parking on a steep incline, such as hills, a dip in the road, etc.
  - When an accessory (such as a bicycle carrier) is installed to the rear of the vehicle
  - When backing up on a slope with a sharp change in grade



  - When backing out of a shallow angle parking spot

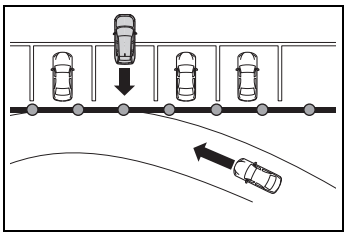


  - Immediately after the RCTA function is turned on
  - Immediately after the hybrid system is started with the RCTA function on
  - When towing a trailer
  - When the sensors cannot detect a vehicle due to obstructions



- Instances of the RCTA function unnecessary detecting a vehicle and/or object may increase in the following situations:
  - When a vehicle passes by the side of your vehicle
  - 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 an accessory (such as a bicycle carrier) is installed to the rear of the vehicle

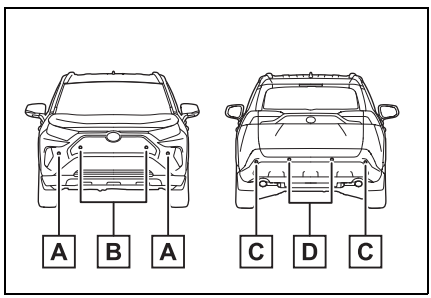
Intuitive parking assist*

*: If equipped

The distance from your vehicle to objects, such as a wall, when parallel parking or maneuvering into a garage is measured by the sensors and communicated via the multi-information display, navigation system or multimedia system screen and a buzzer. Always check the surrounding area when using this system.

System components

■ **Location and types of sensors**



A Front corner sensors

B Front center sensors

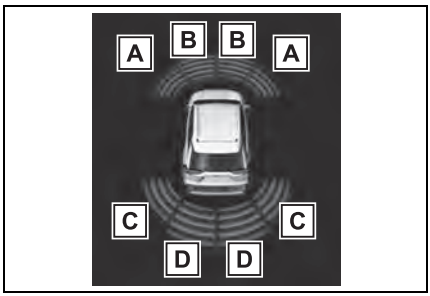
C Rear corner sensors

D Rear center sensors

■ **Display (Multi-information display)**

When the sensors detect an

object, such as a wall, a graphic is shown on the multi-information display depending on the position and distance to the object.



A Front corner sensor detection

B Front center sensor detection*1

C Rear corner sensor detection*2

D Rear center sensor detection*2

*1: Displayed when the shift lever is in a driving position

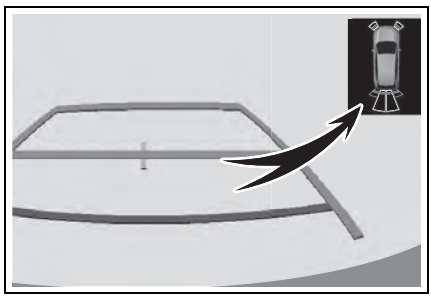
*2: Displayed when the shift lever is in R

■ Display (Audio system screen)

When the sensors detect an object, such as a wall, a graphic is shown on the navigation system (if equipped) or multimedia system (if equipped) screen depending on the position and distance to the object.

- When the Toyota parking assist monitor (if equipped) is displayed

A simplified image is displayed on the upper corner of the screen when an obstacle is detected.

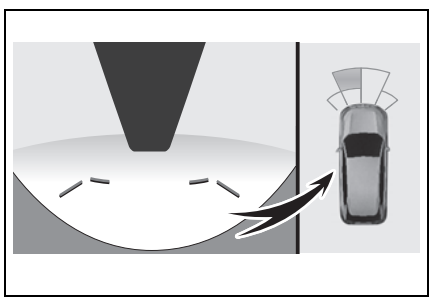


- When the panoramic view monitor (if equipped) is displayed

▶ Panoramic view*

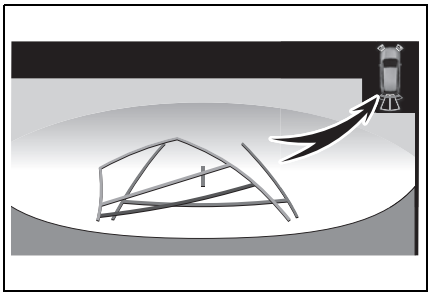
A graphic is shown when the panoramic view monitor is displayed.

*: A simplified image is displayed on the upper corner of the screen when an obstacle is detected while magnified display is shown.



▶ Except panoramic view

A simplified image is displayed on the upper corner of the screen when an obstacle is detected.



Turning intuitive parking assist on/off

The Intuitive parking assist can be enabled/disabled on the ⚙ screen of the multi-information display. (→P.177)

When the intuitive parking assist function is disabled, the intuitive parking assist OFF indicator (→P.163) illuminates on the multi-information display.

To re-enable the system, select ⚙ on the multi-information display, select P and turn it on.

If the system is disabled, it will remain off even if the power switch is turned to ON after the power switch has been turned off.

⚠ WARNING

■ Intuitive parking assist precautions

Observe the following precautions.
Failing to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

- Do not use the sensor at speeds in excess of 6 mph (10 km/h).
- The sensors' detection areas and reaction times are limited. When moving forward or reversing, check the areas surrounding the vehicle (especially the sides of the vehicle) for safety, and drive slowly, using the brake to control the vehicle's speed.
- Do not install accessories near the bumpers as those areas are within the sensors' detection areas.
- The area directly under the bumpers is not detected. Thin posts or objects lower than the sensor may not be detected when approached, even if they have been detected once.

■ When to disable the function

In the following situations, disable the function as it may operate even though there is no possibility of a collision.

- The vehicle is equipped with a commercial fender pole, wireless antenna or fog lights.
- The front or rear bumper or a sensor receives a strong impact.
- A non-genuine Toyota suspension (lowered suspension, etc.) is installed.
- Towing eyelets (if equipped) are installed.
- A backlit license plate is installed.
- When using an automatic car wash

WARNING

■When using the intuitive parking assist

In the following situations, the system may not function correctly due to a sensor malfunction, etc. Have the vehicle checked by your Toyota dealer.

- The intuitive parking assist operation display flashes or shows continuously, and a buzzer sounds when no objects are detected.
- If the area around a sensor collides with something, or is subjected to strong impact.
- If the bumper or grille collides with something.
- If the display flashes or is displayed continuously and a buzzer does not sound, except when the mute function has been turned on.

■Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area.

Doing so may result in the sensor malfunctioning.

- 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.
- Intuitive parking assist function is on.
- The vehicle speed is less than about 6 mph (10 km/h).
- The shift lever is in a position other than P.

■If “Clean Parking Assist Sensor” is displayed on the multi-information display

A sensor may be covered with ice, snow, dirt, etc. Remove the 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 warning message is displayed even if the sensor is clean, there may be a sensor malfunction. Have the vehicle inspected by your Toyota dealer.

■If “Parking Assist Unavailable” is displayed on the multi-information display

Water may be continuously flowing over the sensor surface, such as in a heavy rain. When the system determines that it is normal, the system will return to normal.

■Sensor detection information

- The sensor’s detection areas are limited to the areas around the vehicle’s front and rear bumpers.
- The following situations may occur during use.
  - Depending on the shape of the object and other factors, the

detection distance may shorten, or detection may be impossible.
- Detection may be impossible if static objects draw too close to the sensor.
- There will be a short delay between static object detection and display (warning buzzer sounds). Even at low speeds, there is a possibility that the object will come within 9.8 in. (25 cm) before the display is shown and the warning buzzer 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.

■ **Conditions under which the function may not function correctly**

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 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.
- A sensor is covered in any way.
- 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.
- The vicinity of the vehicle is noisy due to vehicle horns, motorcycle engines, air brakes of large vehicles, or other loud noises producing ultrasonic waves.
- There is another vehicle equipped with parking assist sensors in the vicinity.
- A sensor is coated with a sheet of spray or heavy rain.
- If a sensor is hit by a large amount of water, such as when driving on a flooded road.
- If the vehicle is significantly tilted.
- The vehicle is approaching a tall or curved curb.
- If objects draw too close to the sensor.

■ **Objects which 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

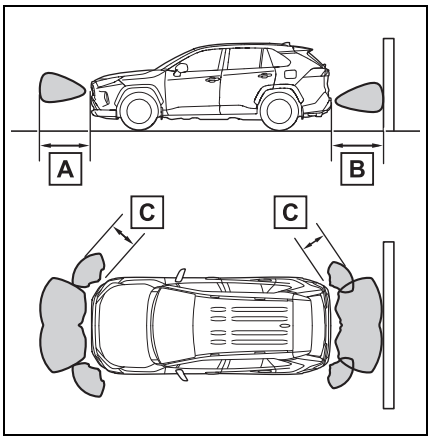
People may not be detected if they are wearing certain types of clothing.

■ **Certification (Canada only)**

This ISM device complies with Canadian ICES-001.

Sensor detection display, object distance

■ Detection range of the sensors



A Approximately 3.3 ft. (100 cm)

B Approximately 4.9 ft. (150 cm)

C Approximately 2.0 ft. (60 cm)

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.

■ Distance display

When an object is detected by a sensor, the approximate distance to the object will be displayed on the multi-information display, navigation system (if equipped) or multimedia system (if equipped) screen. (As the distance to the object becomes short, the distance segments may blink.)

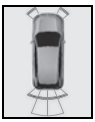
The images may differ from that shown in the illustrations.

● Approximate distance to object

- Front center sensor: 3.3 ft. (100 cm) to 2.0 ft. (60 cm)
- Rear center sensor: 4.9 ft. (150 cm) to 2.0 ft. (60 cm)

Multi-information display	Navigation or multimedia system screen	

- Approximate distance to object: 2.0 ft. (60 cm) to 1.5 ft. (45 cm)

Multi-information display	Navigation or multimedia system screen	
		

- Approximate distance to object: 1.5 ft. (45 cm) to 1.0 ft. (30 cm)

Multi-information display	Navigation or multimedia system screen	

- Approximate distance to object: 1.0 ft. (30 cm) to 0.5 ft. (15 cm)

Multi-information display*	Navigation or multimedia system screen	

*: The distance segments will blink slowly.

- Approximate distance to object: Less than 0.5 ft. (15 cm)

Multi-information display*	Navigation or multimedia system screen	

*: The distance segments will blink rapidly.

■ Buzzer operation and distance to an object

A buzzer sounds when the sensors are operating.

- The buzzer beeps faster as the vehicle approaches an object.
  When the vehicle comes within approximately 1.0 ft. (30 cm) of the object, the buzzer sounds continuously.
- When 2 or more sensors simultaneously detect a static object, the buzzer sounds for the nearest object.
- Even when the sensors are

operating, the buzzer will be muted in some situations. (automatic buzzer mute function)

■ **Muting the buzzer sound**

● Automatic buzzer mute function

Even when the sensors are operating, the buzzer will be muted in the following situations:

- The distance between the vehicle and the detected object does not become shorter (except when the distance between the vehicle and object is 1.0 ft. [30 cm] or less).
- Your vehicle is moving away from the object.
- There are no detectable objects entering the path of your vehicle.

However, if another object is detected or the situation changes while the buzzer is muted, the buzzer begins sounding again.

● To mute the buzzer sound

The buzzer can be temporarily muted by pressing OK of the meter control switches while a suggestion that says mute is available is shown on the multi-information display.

● When the mute is canceled

Mute will be automatically canceled in the following situations.

- When the shift position is changed
- When the vehicle speed has reached or exceeded a certain speed
- When the Intuitive parking assist is turned off once and turned on again
- When the power switch is turned off once and turned to ON again

■ **Customization**

The buzzer volume can be adjusted on the multi-information display. (→P.177)

PKSB (Parking Support Brake)*

*: If equipped

The Parking Support Brake system consists of the following functions that operate when driving at a low speed or backing up, such as when parking. When the system determines that the possibility of a collision with a detected object is high, a warning operates to urge the driver to take evasive action. If the system determines that the possibility of a collision with a detected object is extremely high, the brakes are automatically applied to help avoid the collision or help reduce the impact of the collision.

PKSB (Parking Support Brake) system

■ **Parking Support Brake function (static objects)**

→P.368

■ **Parking Support Brake function (rear-crossing vehicles)**

→P.373

WARNING

■ Limitations of the Parking Support Brake 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.
- Do not attempt to test the operation of the Parking Support Brake system yourself such as intentionally driving to a vehicle or wall.
  Depending on the situations, the system may not operate properly, possibly leading to an accident.

NOTICE

■ If "Parking Support Brake Unavailable" is displayed on the multi-information display and the PKSB OFF indicator illuminates

If this message is displayed immediately after the power switch is changed to ON, operate the vehicle carefully, paying attention to your surroundings. It may be necessary to drive the vehicle for a certain amount of time before the system returns to normal. (If the system does not return to normal after driving for a while, clean the sensors and their surrounding area on the bumpers.)

Enabling/Disabling the Parking Support Brake

The Parking Support Brake can be enabled/disabled on the ⚙ screen of the multi-information display. All of the Parking Support Brake functions (static objects and rear-crossing vehicles) are enabled/disabled simultaneously. (→P.177)

When the Parking Support Brake is disabled, the PKSB OFF indicator (→P.163) illuminates on the multi-information display.

To re-enable the system, select ⚙ on the multi-information display, select and turn it on.

If the system is disabled, it will remain off even if the power switch is turned to ON 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 multi-information display, head-up display (if equipped), navigation system (if equipped) or multimedia system (if equipped) screen, to alert the driver.

Depending on the situation, hybrid system output restriction control will operate 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.

Multi-information display and head-up display: “Object Detected Acceleration Reduced” (no warning displayed on the head-up display)

Navigation system or multimedia system screen: No warning displayed

PKSB OFF 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.

Multi-information display and head-up display: “BRAKE!”

Navigation system or multimedia system screen: “BRAKE!”

PKSB OFF indicator: Not illuminated

Buzzer: Short beep

- Brake control is operating

The system determined that emergency braking is necessary.

Multi-information display and head-up display: “BRAKE!”

Navigation system or multimedia system screen: “BRAKE!”

PKSB OFF indicator: Illuminated

Buzzer: Short beep

- Vehicle stopped by system operation

The vehicle has been stopped by brake control operation.

Multi-information display and head-up display: “Switch to Brake” (If the accelerator pedal is not depressed, “Press Brake Pedal” will be displayed.)

Navigation system or multimedia system screen: “Press Brake Pedal”

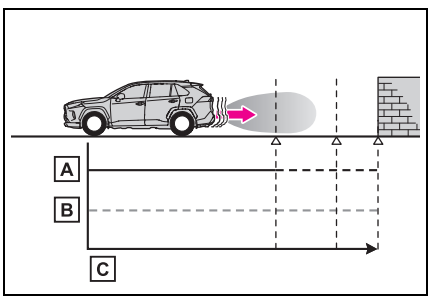
PKSB OFF indicator: Illuminated (If the accelerator pedal is not depressed, the indicator is not illuminated.)

Buzzer: Short beep

System overview

If the Parking Support Brake determines that a collision with a detected object 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.) 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

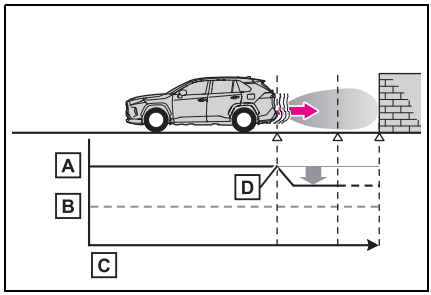


A Hybrid system output

B Braking force

C Time

- Figure 2: When hybrid system output restriction control operates



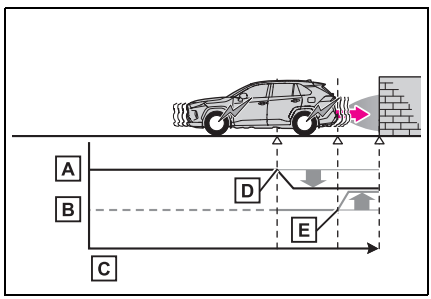
A Hybrid system output

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 PKSB OFF indicator will illuminate. If the Parking Support Brake operates unnecessarily, brake control can be canceled by depressing the brake pedal or waiting for approximately 2 seconds for it to automatically be canceled. Then, the vehicle can be operated by depressing the accelerator pedal.

■ Re-enabling the Parking Support Brake

To re-enable the Parking Support Brake when it is disabled due to operation of the Parking Support Brake, either enable the system again (→P.364), or turn the power switch off and then back to ON. Additionally, if the object becomes no longer in the traveling direction of the vehicle or if the traveling direction of the vehicle changes (such as changing from moving forward to backing up, or from backing up to moving forward), the system will be re-enabled automatically.

■ If “Parking Support Brake Unavailable” is displayed on the multi-information display and the PKSB OFF indicator illuminates

- If “Clean Parking Assist Sensor” is displayed simultaneously, a sensor may be covered with ice, snow, dirt, etc. In this case, remove the ice, snow, dirt, etc., from the sensor to return the system to normal. If this message is shown even after removing dirt from the sensor, or shown when the sensor was not dirty to begin with, have the vehicle inspected at your Toyota dealer.
- If “Parking Assist Unavailable” is displayed simultaneously, water may be continuously flowing over the sensor surface, such as in a heavy rain. When the system determines that it is normal, the system will return to normal.

Parking Support Brake function (static objects)*

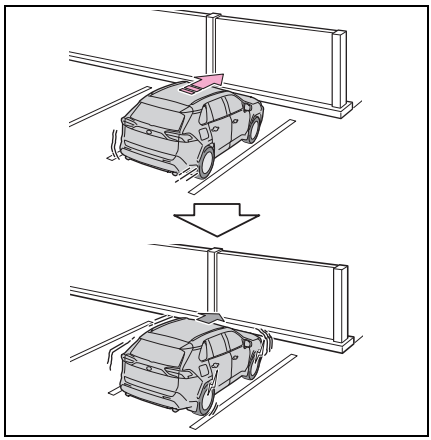
*: If equipped

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.

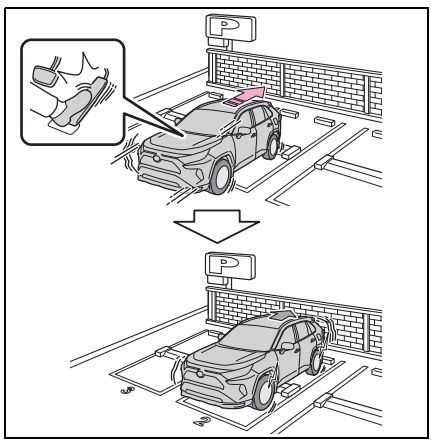
Examples of function operation

This function will operate in situations such as the following if an object is detected in the traveling direction of the vehicle.

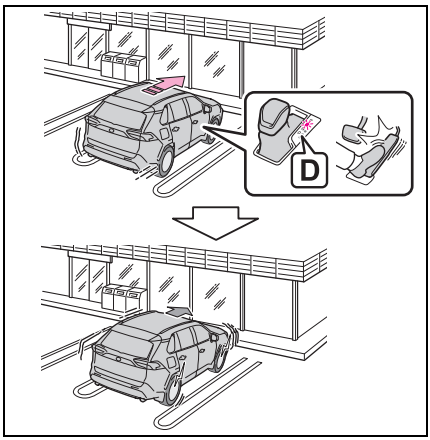
■ **When traveling at a low speed and the brake pedal is not depressed, or is depressed late**



■ **When the accelerator pedal is depressed excessively**



■ When the vehicle moves in the unintended direction due to the wrong shift position being selected



Types of sensors

→P.356

⚠ WARNING

■ To ensure the Parking Support Brake can operate properly

Observe the following precautions regarding the sensors (→P.356). Failure to do so may cause a sensor to not operate properly, and may cause an accident.

- Do not modify, disassemble or paint the sensors.
- Do not replace a sensor with a part other than a genuine part.
- Do not subject a sensor or its surrounding area to a strong impact.
- Do not damage the sensors, and always keep them clean.
- If the area around a radar sensor is subjected to an impact, the system may not operate properly due to a sensor malfunction. Have the vehicle inspected by your Toyota dealer.

■ Handling the suspension

Do not modify the suspension, as changes to the height or inclination of the vehicle may prevent the sensors from detecting objects correctly or cause the system to not operate or operate unnecessarily.

■ If the Parking Support Brake function (static objects) operates unnecessarily, such as at a railroad crossing

In the event that the Parking Support Brake function (static objects) operates unnecessarily, such as at a railroad crossing, brake control will be canceled after approximately 2 seconds, allowing you to proceed forward and leave the area, brake control can also be canceled by depressing the brake pedal. Depressing the accelerator pedal after brake control is canceled will allow you to proceed forward and leave the area.

■ Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area.

Doing so may result in the sensor malfunctioning.

- 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.

WARNING

- 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.

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 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 using an automatic car wash

The Parking Support Brake function (static object) will operate when

The function will operate when the PKSB OFF indicator is not illuminated (→P.161, 163) and all of the following conditions are met:

- Hybrid system output restriction control
  - The Parking Support Brake is enabled.
  - The vehicle speed is approximately 9 mph (15 km/h) or less.
  - There is a static object in the traveling direction of the vehicle and approximately 6 to 13 ft. (2 to 4 m) 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) 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 6 to 13 ft. (2 to 4 m) 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 6 to 13 ft. (2 to 4 m) away from the vehicle or in the traveling direction of the vehicle.

Detection range of the Parking Support Brake function (static objects)

The detection range of the Parking

Support Brake function (static objects) differs from the detection range of the intuitive parking assist. (→P.361) Therefore, even if the intuitive parking assist detects an object and provides a warning, the Parking Support Brake function (static objects) may not start operating.

■ Objects that the Parking Support Brake function (static objects) may not detect

The sensors may not be able to detect certain objects, such as the following:

- Pedestrian
- Cotton, snow, and other materials that are poor reflectors of sonic waves
- Objects which are not perpendicular to the ground, are not perpendicular to the traveling direction of the vehicle, are uneven or are waving
- Low objects
- Thin objects such as wires, fences, ropes and signposts
- Objects that are extremely close to the bumper
- Sharply-angled objects
- Tall objects with upper sections projecting outwards in the direction of your vehicle

■ Situations in which the Parking Support Brake function (static objects) may not operate

When the shift lever is in N

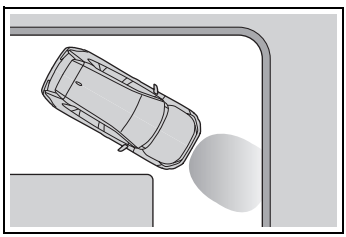
■ Intuitive parking assist buzzer

Regardless of whether the intuitive parking assist system is enabled or not (→P.358), if the Parking Support Brake function (static objects) is enabled (→P.364), the front or rear sensors detect an object and brake control and hybrid system output restriction control are performed, the intuitive parking assist buzzer will sound to notify the driver of the approximate distance to the object.

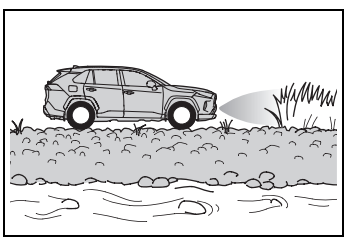
■ Situations in which the Parking Support Brake function (static objects) may operate even if there is no possibility of a collision

In some situations, such as the following, the Parking Support Brake function (static objects) may operate even though there is no possibility of a collision.

- Vehicle surroundings
  - When driving on a narrow road



  - When driving on a gravel road or in an area with tall grass



  - 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 structure on the roadside (such as when driving in a narrow tunnel, on a narrow bridge or on a narrow road)
  - When parallel parking
  - 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
- When loaded on ships or trucks
- Moving type automatic car wash
- Lift type parking area or multi-story parking lot
- Underground parking area
- Structures on the ground (speed bumps, cat's eyes, etc.)
- Differences in height
- When moving straight ahead or turning right
- Snow-melting pipes
- Devices for detecting vehicles, such as traffic lights, devices for detecting traffic congestion, or devices for detecting empty spaces in parking areas
- Railroad tracks
- H-shaped steel
- When there are vehicles on both sides, or there is a vehicle that resembles this vehicle

●Weather
- If a sensor is covered with ice, snow, dirt, etc. (when cleared, the system will return to normal)
- If heavy rain or water strikes a sensor
- When driving in inclement weather such as fog, snow or a sandstorm
- Strong wind is blowing

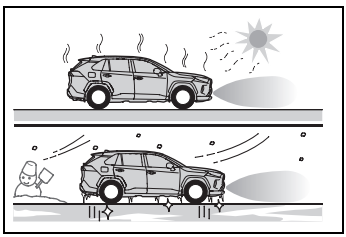
●Other sonic wave sources
- When vehicle horns, vehicle detectors, motorcycle engines, air brakes of large vehicles, the clearance sonar of other vehicles or other devices which produce ultrasonic waves are near the vehicle
- If a sticker or an electronic component, such as a backlit license plate (especially fluorescent type), fog lights, fender pole or wireless antenna is installed near a sensor

●Changes in the vehicle posture
- If the vehicle is significantly tilted
- 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

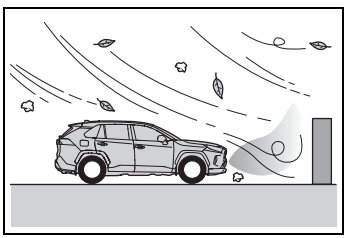
■Situations in which the Parking Support Brake function (static objects) may not operate properly

In some situations, such as the following, this function may not operate properly.

●Weather
- When a sensor or the area around a sensor is extremely hot or cold



- When strong winds are blowing



- If a sensor is covered with ice, snow, dirt, etc. (when cleared, the system will return to normal)
- If heavy rain or water strikes a sensor
- When driving in inclement weather such as fog, snow or a sandstorm
- A sensor is frozen. (Thawing the area will resolve this problem.)

●Vehicle surroundings
- 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
- The vehicle is approaching a tall or curved curb.
- On an extremely bumpy road, on an incline, on gravel, or on grass.
- The objects draw too close to the sensor.

● Other sonic waves sources
- 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 a sticker or an electronic component, such as a backlit license plate (especially fluorescent type), fog lights, fender pole or wireless antenna is installed near a sensor

● Changes in the vehicle
- If the vehicle is significantly tilted
- 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
- 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
- If the suspension has been modified or tires of a size other than specified are installed
- If paint or a sticker is applied to the sensor

Parking Support Brake function (rear-crossing vehicles)*

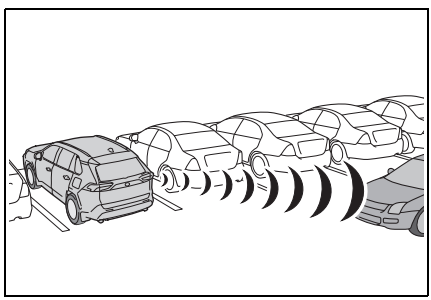
*: If equipped

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 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.350

WARNING

■To ensure the Parking Support Brake (rear-crossing vehicles) can operate properly

Observe the following precautions regarding the rear radar sensors (→P.350). Failure to do so may cause a sensor to not operate properly, and may cause an accident.

- Do not modify, disassemble or paint the sensors.
- Do not replace a rear radar sensor with a part other than a genuine part.
- Do not damage the rear radar sensors, and always keep the radar sensors and their surrounding area on the bumper clean.
- If the area around a rear radar sensor is subjected to an impact, the system may not operate properly due to a sensor malfunction. Have the vehicle inspected by your Toyota dealer.
- Observe the rear radar sensor handling precautions. (→P.350)

■The Parking Support Brake function (rear-crossing vehicles) will operate when

The function will operate when the PKSB OFF indicator is not illuminated (→P.161, 163) and all of the following conditions are met:

- Hybrid system output restriction control
  - The Parking Support Brake is enabled.
  - The vehicle speed is approximately 9 mph (15 km/h) or less.
  - Vehicles are approaching from the right or left at the rear of the vehicle at a traveling speed of more than approximately 5 mph (8 km/h)
  - The shift lever 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 determines that an emergency brake operation is necessary to avoid a collision with an approaching vehicle.

■The Parking Support Brake function (rear-crossing vehicles) 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.
  - A vehicle is no longer approaching from the right or left at the rear of the vehicle.

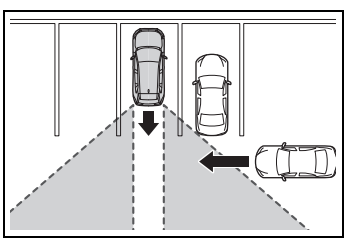
■ **Detection area of the Parking Support Brake function (rear-crossing vehicles)**

The detection area of the Parking Support Brake function (rear-crossing vehicles) differs from the detection area of the RCTA function (→P.354). Therefore, even if the RCTA function detects a vehicle and provides an alert, the Parking Support Brake function (rear-crossing vehicles) may not start operating.

■ **Conditions under which the Parking Support Brake function (rear-crossing vehicles) will not detect a vehicle**

The Parking Support Brake function (rear-crossing vehicles) 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



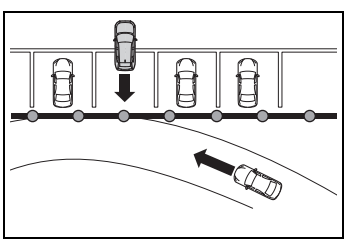
- Vehicles which suddenly accelerate or decelerate near your vehicle
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*
- Objects which are extremely close to a radar sensor*
- Vehicles which are approaching from the right or left at the rear of the vehicle at a traveling speed of less than approximately 5 mph (8 km/h)
- Vehicles which are approaching from the right or left at the rear of the vehicle at a traveling speed of more than approximately 15 mph (24 km/h)

*: Depending on the conditions, detection of a vehicle and/or object may occur.

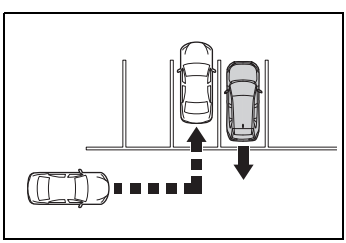
■ **Situations in which the system may operate even though there is no possibility of a collision**

In some situations such as the following, the Parking Support Brake function (rear-crossing vehicles) may operate even though there is no possibility of a collision.

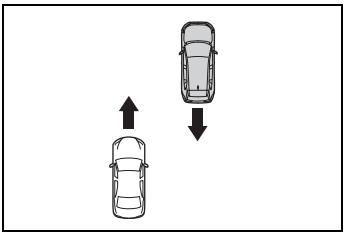
- When the parking space faces a street and vehicles are being driven on the street



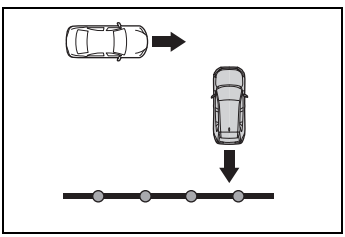
- When a detected vehicle turns while approaching the vehicle



- When a vehicle passes by the side of your vehicle



- 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 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

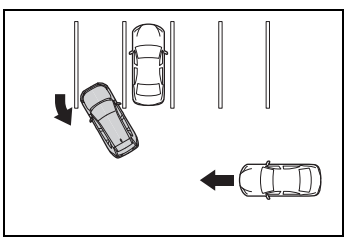
■ Situations in which the Parking Support Brake function (rear-crossing vehicles) may not operate properly

In some situations, such as the following, the radar sensors may not detect an object and this function may not operate properly

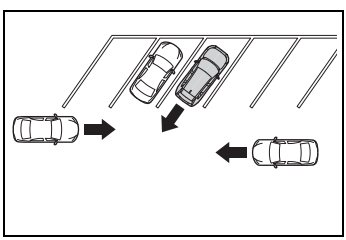
- Stationary objects
- When a sensor or the area around a sensor is extremely hot or cold
- If the rear bumper is covered with ice, snow, dirt, etc.
- When it is raining heavily or water strikes the vehicle
- When the detection area of a radar sensor is obstructed by an adjacent vehicle
- If the vehicle is significantly tilted
- 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
- 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
- If a sticker or an electronic component, such as a backlit license plate (especially fluorescent type), fog lights, fender pole or wireless antenna is installed near a radar sensor
- If the orientation of a radar sensor has been changed
- When multiple vehicles are approaching with only a small gap between each vehicle
- If a vehicle is approaching the rear of your vehicle rapidly
- Situations in which the radar sensor may not detect a vehicle

• When a vehicle approaches from the right or left at the rear of the vehicle while you are turning while backing up

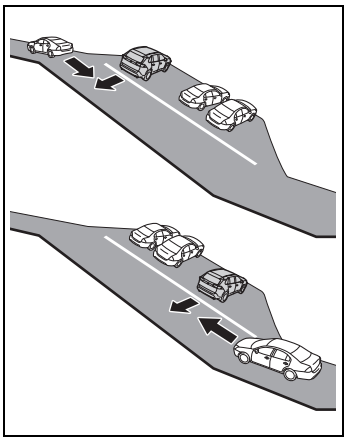
• When turning while backing up



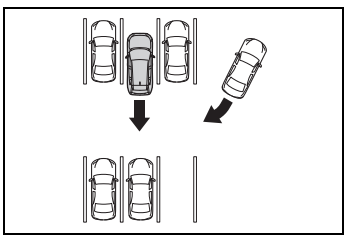
• When backing out of a shallow angle parking spot



- When backing up on a slope with a sharp change in grade



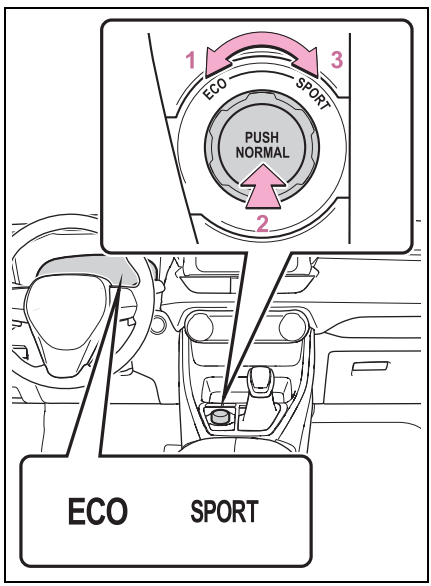
- When a vehicle turns into the detection area



Driving mode select switch

The driving modes can be selected to suit the driving and usage conditions.

Selecting a driving mode



1 Eco drive mode

Suitable for driving to improve fuel economy by more smoothly generating torque in response to accelerator pedal operations compared to normal mode and restraining air conditioning system operations (heating/cooling).

When the switch is turned to the left while not in Eco drive mode, the system switches to Eco drive mode and the Eco drive mode indicator illuminates on the multi-information display.

2 Normal mode

Suitable for normal driving.

The driving mode returns to normal mode if the switch is pressed while in Eco drive mode or sport mode.

3 Sport mode

Controls the steering feeling and hybrid system to create an acceleration response that is suitable for sporty driving. Suitable for when crisp handling is desired, such as when driving on mountainous roads.

When the switch is turned to the right while not in sport mode, the system switches to sport mode and the sport mode indicator illuminates on the multi-information display.

■ When changing to a driving mode other than normal mode

- The background color of the multi-information display changes according to the selected driving mode.
- When the speedometer is set to analog display, the speedometer display color also changes.
- The color of the switch changes according to the selected driving mode. (On some models)

■ Air conditioning system operation in Eco drive mode

In Eco drive mode, heating/cooling operations and the fan speed is controlled to improve fuel efficiency. Perform the following procedures to increase the air conditioning performance.

- Turn eco air conditioning mode off (→P.397)
- Adjust the fan speed (→P.397)
- Cancel Eco drive mode

■ Canceling a driving mode

- Sport mode is automatically canceled and the driving mode returns to normal mode when the power switch is turned off.
- Normal mode and Eco drive mode are not canceled until another driving mode is selected. (Even if the power switch is turned off, normal mode and Eco drive mode will not be automatically canceled).

Trail Mode

Trail Mode is a system that performs integrated control for the AWD, brake and drive force control systems to assist the drive power on bumpy roads, etc.

WARNING

■ Before using Trail Mode

Make sure to observe the following precautions. Failure to observe these precautions may result in an unexpected accident.

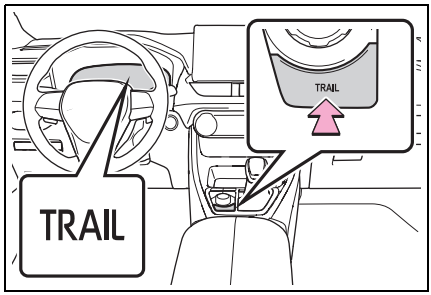
- Check that the Trail Mode indicator is illuminated before driving. Trail Mode will not operate when the indicator is off.
- Trail Mode is not intended to expand the limits of the vehicle. Thoroughly check the road conditions and drive with caution.
- Thoroughly check the road conditions before driving. As Trail Mode is suitable for driving on bumpy roads, such as those where the tire on one side spins, there is a chance that Trail Mode may not be the most appropriate for other road conditions.

Turning Trail Mode on

Press the Trail Mode switch

When the switch is pressed, Trail Mode turns on and the Trail Mode indicator illuminates on the multi-information display.

When the switch is pressed again, the Trail Mode indicator turns off.



■ Trail Mode

- Trail Mode is intended for use when driving on bumpy rough roads. Do not turn the switch on in other situations.
- Trail Mode controls the vehicle so that it can use the maximum amount of drive force when driving on bumpy roads.
- If Trail Mode is continuously used for a long period of time, the load on related parts increases and the system may be unable to operate effectively.

■ When Trail Mode is canceled

In the following situations, Trail Mode is automatically canceled even if it is turned on.

- When the driving mode is changed (→P.377)
- When the power switch is turned off

■ During Trail Mode operation

The following types of situations may occur, but they are not malfunctions.

- Vibrations may be felt throughout the vehicle or steering wheel
- Operating noise may be heard from the engine compartment

■ When an inspection at your Toyota dealer is necessary

In the following situations, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer immediately.

- When the slip indicator light illuminates while Trail Mode is on
- When the Trail Mode indicator does not illuminate even though the Trail Mode switch is pressed

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.

■ **Enhanced VSC (Enhanced Vehicle Stability Control)**

Provides cooperative control of the ABS, TRAC, VSC and EPS.

Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

■ **Trailer Sway Control**

Helps the driver to control trailer sway by selectively applying brake pressure for individual wheels and reducing driving torque when trailer sway is detected.

■ **TRAC (Traction Control)**

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

■ **Active Cornering Assist (ACA)**

Helps to prevent the vehicle from drifting to the outer side by performing inner wheel brake control when attempting to accelerate while turning

■ **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

■ **E-Four (Electronic On-Demand AWD system)**

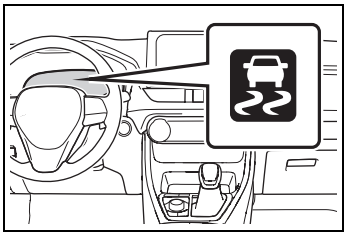
Automatically switches from front wheel drive to all-wheel drive (AWD) according to the driving conditions, helping to ensure reliable handling and stability. Examples of conditions where the system will switch to AWD are when cornering, going uphill, starting off or accelerating, and when the road surface is slippery due to snow, rain, etc.

■ **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 TRAC/VSC/ABS/Trailer Sway Control systems are operating**

The slip indicator light will flash while the TRAC/VSC/ABS/Trailer Sway Control systems are operating.

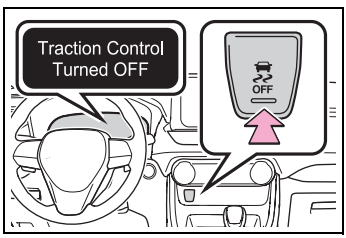


■ **Disabling the TRAC system**

If the vehicle gets stuck in mud, dirt or snow, the TRAC system may reduce power from the 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 TRAC system off, quickly press and release OFF.



"Traction Control Turned OFF" will be shown on the multi-information display.

Press OFF again to turn the system back on.

■ **Turning off the TRAC/VSC/Trailer Sway Control systems**

To turn the TRAC/VSC/Trailer Sway Control 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 systems 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.322)

■ **When the message is displayed on the multi-information display showing that TRAC has been disabled even if OFF has not been pressed**

TRAC is temporary deactivated. If the information continues to show, contact your Toyota dealer.

■ **Operating conditions of hill-start assist control**

When the following four conditions are met, the hill-start assist control will operate:

- The shift lever is in a position other than P or N (when starting off forward/backward on an upward incline).
- The vehicle is stopped.
- The accelerator pedal is not depressed.
- The parking brake is not engaged.

■ **Automatic system cancelation of hill-start assist control**

The hill-start assist control will turn off in any of the following situations:

- The shift lever is shifted to P or N.
- The accelerator pedal is depressed.
- The parking brake is engaged.
- No more than 2 seconds have elapsed after the brake pedal is released.

■ **Sounds and vibrations caused by the ABS, brake assist, VSC, Trailer Sway Control, TRAC and hill-start assist control systems**

- A sound may be heard from the engine compartment when the brake pedal is depressed repeat-

edly, 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' door is opened.
- Operating sound heard from the engine compartment when one or two minutes passed after the stop of the hybrid system.

■ Active Cornering Assist operation sounds and vibrations

When the Active Cornering Assist is operated, operation sounds and vibrations may be generated from the brake system, but this is not a malfunction.

■ EPS operation sound

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

■ Automatic reactivation of TRAC, Trailer Sway Control and VSC systems

After turning the TRAC, Trailer Sway Control and VSC systems off, the systems will be automatically reenabled in the following situations:

- When the power switch is turned off.
- If only the TRAC system is turned off, the TRAC will turn on when vehicle speed increases.
  If both the TRAC and VSC systems are turned off, automatic reenabling will not occur when vehicle speed increases.

■ Operating conditions of Active Cornering Assist

The system operates when the following occurs.

- TRAC/VSC can operate
- The driver is attempting to accelerate while turning
- The system detects that the vehicle is drifting to the outer side
- The brake pedal is released

■ Reduced effectiveness of the EPS system

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

■ 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 in any of the following situations.

- The vehicle speed is below 6 mph (10 km/h)
- Components are damaged

■ Secondary Collision Brake automatic cancellation

The system is automatically canceled in any of the following situations.

- The vehicle speed drops below approximately 6 mph (10 km/h)
- A certain amount of time elapses during operation
- The accelerator pedal is depressed a large amount

■If a message about AWD is shown on the multi-information display

Perform the following actions.

Message	Details/Actions
“AWD System Overheated Switching to 2WD Mode”	AWD system is overheating. → **Drive the vehicle at low speeds and stop the vehicle in a safe place with the hybrid system operating until the message is cleared.** Once the display message on the multi-information display turns off, there is no problem continuing to drive. If the message does not disappear, have your vehicle checked by your Toyota dealer immediately.
“AWD System Overheated 2WD Mode Engaged”	The vehicle switched from all-wheel drive (AWD) to front wheel drive due to overheating. → **Drive the vehicle at low speeds and stop the vehicle in a safe place with the hybrid system operating until the message is cleared.** Once the display message on the multi-information display turns off, the AWD system returns to normal. If the message does not disappear, have your vehicle checked by your Toyota dealer immediately.
“AWD System Malfunction 2WD Mode Engaged Visit Your Dealer”	A malfunction occurred in the AWD system. → **Have your vehicle checked by your Toyota dealer immediately.**

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.

WARNING

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

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

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

■ TRAC/VSC may not operate effectively when

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

■ Active Cornering Assist does not operate effectively when

- Do not overly rely on Active Cornering Assist. Active Cornering Assist may not operate effectively when accelerating down slopes or driving on slippery road surfaces.
- When Active Cornering Assist frequently operates, Active Cornering Assist may temporarily stop operating to ensure proper operation of the brakes, TRAC and VSC.

■ 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 TRAC/ABS/VSC/Trailer Sway Control is activated

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

■ When the TRAC/VSC/Trailer Sway Control 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 TRAC/VSC/Trailer Sway Control systems off unless necessary.

Trailer Sway Control is part of the VSC system and will not operate if VSC is turned off or experiences a malfunction.

WARNING

■ Replacing tires

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.
The ABS, TRAC and VSC/Trailer Sway Control 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.

■ Trailer Sway Control precaution

The Trailer Sway Control system is not able to reduce trailer sway in all situations. Depending on many factors such as the conditions of the vehicle, trailer, road surface and driving environment, the Trailer Sway Control system may not be effective. Refer to your trailer owner's manual for information on how to tow your trailer properly.

■ If trailer sway occurs

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

- Firmly grip the steering wheel. Steer straight ahead. Do not try to control trailer swaying by turning the steering wheel.
- Begin releasing the accelerator pedal immediately but very gradually to reduce speed. Do not increase speed. Do not apply vehicle brakes.

If you make no extreme correction with the steering or brakes, your vehicle and trailer should stabilize. (→P.269)

■ 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.

Winter driving tips

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

Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
  - Engine oil
  - Engine coolant
  - 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 235/55R19 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 75 mph (120 km/h), regardless of the type of snow tires being used.
- Use snow tires on all, not just some wheels.

■ Driving with tire chains (except 235/55R19 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 30 mph (50 km/h), whichever is lower.
- Avoid driving on bumpy road surfaces or over potholes.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.
- Do not use LTA (Lane Tracing Assist) system.

NOTICE

■ Repairing or replacing snow tires

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

Before driving the vehicle

Perform the following according to the driving conditions:

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

When driving the vehicle

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

When parking the vehicle

- Park the vehicle and move the shift lever to P without setting the parking brake. The parking brake may freeze up, preventing it from being released. If 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.290)
- If the vehicle is left parked with the brakes damp in cold temperatures, there is a possibility of the brakes freezing.
- If the vehicle is parked without setting the parking brake, confirm that the shift lever cannot be moved out of P*.

*: 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.

WARNING

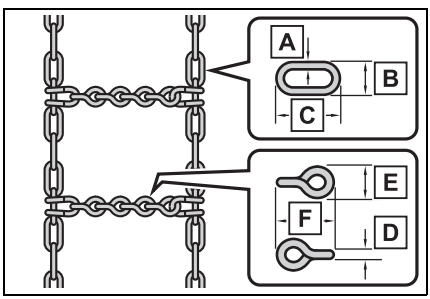
■When parking the vehicle

When parking the vehicle without applying the parking brake, make sure to chock the wheels. If you do not chock the wheels, the vehicle may move unexpectedly, possibly resulting in an accident.

Selecting tire chains

▶ Vehicles with 225/60R18 tires

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



Side chain:

A 0.12 in. (3 mm) in diameter

B 0.39 in. (10 mm) in width

C 1.18 in. (30 mm) in length

Cross chain:

D 0.16 in. (4 mm) in diameter

E 0.55 in. (14 mm) in width

F 0.98 in. (25 mm) in length

▶ Vehicles with 235/55R19 tires

Tire chains cannot be mounted.

Snow tires should be used instead.

Regulations on the use of tire chains (except 235/55R19 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 front tires as tightly as possible. Retighten chains after driving 1/4 - 1/2 mile (0.5 - 1.0 km).
- Install tire chains following the instructions provided with the tire chains.

■Consumption of fuel and electricity

In cold temperatures, resistance of the parts of a vehicle (transmission, tires, etc.) generally increases, resulting in increase of energy consumption. As a result, fuel economy is likely to decrease.

Consumption of fuel and electricity of this vehicle is also likely to become worse in cold temperatures.

NOTICE

■ Fitting tire chains

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

Utility vehicle precautions

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

Utility vehicle feature

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

WARNING

■ Utility vehicle precautions

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

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

Off-road driving

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

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

■ Additional information for off-road driving

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

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

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

WARNING

■ Off-road driving precautions

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

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

NOTICE

■ To prevent the water damage

Take all necessary safety measures to ensure that water damage to the hybrid battery (traction battery), hybrid system or other components does not occur.

- Water entering the engine compartment may cause severe damage to the hybrid system.
- Water entering the hybrid transmission will cause deterioration in transmission quality. The malfunction indicator may come on, and the vehicle may not be drivable.
- Water can wash the grease from wheel bearings, causing rusting and premature failure, and may also enter the hybrid transaxle case, reducing the gear oil's lubricating qualities.

■ When you drive through water

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

NOTICE

■ Inspection after off-road driving

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

6-1. Using the air conditioning system and defogger

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6-4. Using the other interior features

Other interior features . 420

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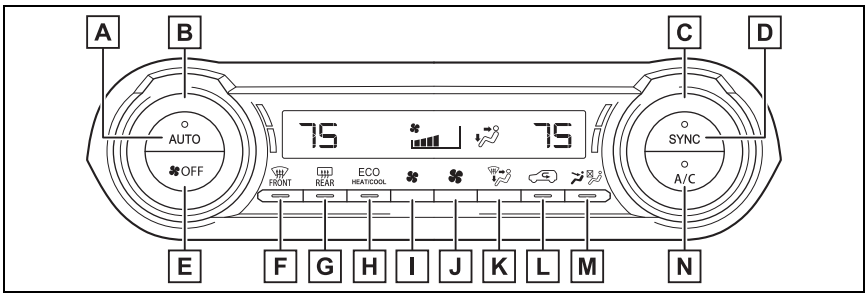
Automatic air conditioning system

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

Air conditioning controls



A Automatic mode switch

B Left-hand side temperature control knob

C Right-hand side temperature control knob

D “SYNC” switch

E “OFF” switch

F Windshield defogger switch

G Rear window defogger and outside rear view mirror defoggers switch

H Eco air conditioning mode switch

I Fan speed decrease switch

J Fan speed increase switch

K Airflow mode control switch

L Outside/recirculated air mode switch

M S-FLOW mode switch

N “A/C” switch

■ **Adjusting the temperature setting**

Turn driver’s side temperature control dial clockwise to increases the temperature and turn the dial counterclockwise to

decreases the temperature.

The air conditioning system switches between individual and simultaneous modes each time the “SYNC” switch is pressed.

Simultaneous mode (the indicator on the “SYNC” switch is on):

The driver’s side temperature control dial can be used to adjust the temperature for the driver’s and passenger’s side. At this time, operate the passenger’s side temperature control dial to enter individual mode.

Individual mode (the indicator on the “SYNC” switch is off):

The temperature for the driver’s and passenger’s side can be adjusted separately.

■ Setting the fan speed

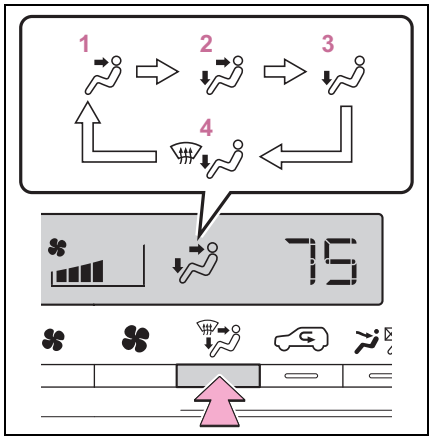
Press the fan speed increase switch to increase the fan speed and the fan speed decrease switch to decrease the fan speed.

Pressing the “OFF” switch turns off the fan.

■ Change the airflow mode

Press the airflow mode control switch.

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 and recirculated air mode each time the switch is operated.

When recirculated air mode is selected, the indicator illuminates on the outside/recirculated air mode switch.

■ Set cooling and dehumidification function

Press the “A/C” switch.

When the function is on, the indicator illuminates on the “A/C” switch.

■ Eco air conditioning mode

The air conditioning is controlled with low fuel consumption priori-

tized such as reducing fan speed, etc.

Press the eco air conditioning mode switch.

When the eco air conditioning mode is on, the indicator illuminates on the eco air conditioning mode 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

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 defogger and outside rear view mirror defoggers switch.

The defoggers will automatically turn off after 15 minutes.

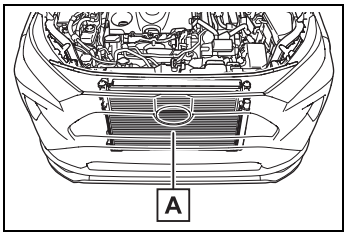
When the rear window defogger and outside rear view mirror defoggers switch is on, the indicator illuminates on the rear window defogger and outside rear view mirror defoggers switch.

■ Heating

- In HV mode, the gasoline engine may operate in order to extract heat from the engine coolant via the heater.
- In EV mode, heating is done by a heat pump system.
  - When the outside temperature is low or it is snowing, compared to conventional vehicles, heating may be less effective and warm air may not come out.
  - When the outside heat exchanger is frosted over, fan speed declines and it may become harder to heat the interior.

However, it is not a malfunction. In this situation, the air temperature from the outlets may not change even though the set temperature is raised.

- If frost has formed of the outside heat exchanger, the heating performance will decline. The frost can be removed from the outside heat exchanger by operating the Remote Air Conditioning System before driving (→P.405). When frosted over, the heating operation of the Remote Air Conditioning System starts after defrosting.
- When “AUTO” switch is turned on, the heating is controlled optimally. Therefore, the set heating performance may not be achieved even if the fan speed setting is increased.



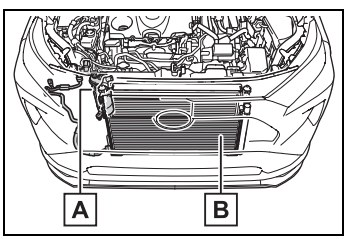
A Outside heat exchanger

- In the following situations the gasoline engine may operate in order to extract heat from the engine coolant via the heater even in EV mode.
  - The outside temperature is approximately 14°F (-10°C) or low
  - FRONT is operating

■ **Water droplets during air conditioning operation**

The outside heat exchanger, accumulator and air conditioning piping may incur condensation or frost may form.

During or after the air conditioning operation, water droplets may fall from the vehicle. However, it is not a malfunction.



A Accumulator

B Outside heat exchanger

■ **Fogging up of the windows**

- The windows will easily fog up when the humidity in the vehicle is high. Turning “A/C” switch on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn “A/C” switch off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

■ **While using “My Room Mode”**

- It may not be possible to obtain the intended defogging performance even if FRONT is pressed. If the windows need to be defogged before driving, stop charging power and then press FRONT.
- When the outside temperature is low, heating may feel insufficient due to restricted operation of the air conditioning.
  Heating cannot be performed when it is 14°F (-10°C) or less as the gasoline engine cannot be started during “My Room Mode”. If heating is desired, stop charging and remove the AC charging cable from the vehicle.

■ **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.

■ **When the outside temperature exceeds 75°F (24°C) and the air conditioning system is on**

- In order to reduce the air conditioning power consumption, the air conditioning system may switch to recirculated air mode automatically. This may also reduce fuel consumption.
- Recirculated air mode is selected as a default mode when the power switch is turned to ON.
- It is possible to switch to outside air mode at any time by pressing the outside/recirculated air mode switch.

■ **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 drive mode (→P.377)
  - Turn off Eco air conditioning mode
- When the driving mode is set to Eco driving mode, the Eco air conditioning mode will be turned on automatically. Even in this case, the Eco air conditioning mode can be turned off by pressing the Eco air conditioning mode switch.

■ **When the outside temperature falls to nearly 32°F (0°C)**

The dehumidification function may not operate even when “A/C” switch is pressed.

■ **Ventilation and air conditioning odors**

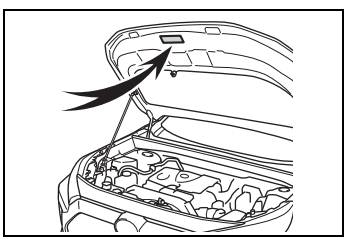
- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring: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

■ **Air conditioning filter**

→P.483

■ **Air conditioning system refrigerant**

- A label regarding the refrigerant of the air conditioning system is attached to the hood at the location shown in the following illustration.



- The meaning of each symbol on the label are as follows:

	Caution
	Air conditioning system

	Air conditioning system lubricant type
	Requires registered technician to service air conditioning system
	Flammable refrigerant

■ Noise from air conditioning system

Approximately 90 seconds after the power switch turned to OFF, you may hear sound coming from air conditioning system. This is the sound of a air conditioning system initialize and, it does not indicate a malfunction.

■ Customization

Some functions can be customized. (Customizable features: →P.580)

⚠ WARNING

■ Cautions for using "My Room Mode"

Do not leave children, people who need assistance, or pets inside the vehicle. The system may turn off automatically and the interior temperature may become high or low, resulting in heat stroke, dehydration or hypothermia. Failure to do so may result in death or serious injury.

■ 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

Do not touch the rear view mirror surfaces when the outside rear view mirror defoggers are on.

⚠ NOTICE

■ To prevent 12-volt battery discharge

Do not leave the air conditioning system on longer than necessary when the hybrid system is off.

■ When repairing/replacing parts of the air conditioning system

Have repair/replacement performed by your Toyota dealer. When a part of the air conditioning system, such as the evaporator, is to be replaced, it must be replaced with a new one.

Using automatic mode

1 Press the "AUTO" switch.

The dehumidification function begins to operate. Air outlets and fan speed are automatically adjusted according to the temperature setting and humidity.

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 is pressed.

■ **Windshield fog detection function**

When automatic mode is set, the humidity sensor detects fog on the windshield and controls the air conditioning system to prevent fog.

Front seat concentrated airflow mode (S-FLOW)

This function automatically controls the air conditioning airflow so that priority is given to the front seats. When the front passenger seat is not occupied, airflow may switch to only the driver's seat. Unnecessary air conditioning is suppressed, contributing to increased fuel efficiency.

Front seat concentrated airflow mode operates in the following situations.

- No passengers are detected in the rear seats
- The windshield defogger is not operating

While operating, illuminates.

■ **Manually turning front seat concentrated airflow mode on/off**

In front seat concentrated airflow mode, directing airflow to the front seats only and to all seats can be switched via switch operation. When the mode has been switched manually, automatic airflow control stops operating.

Press on the air conditioning operation panel and switch the airflow.

- Indicator illuminated: Airflow to the front seats only
- Indicator off: Airflow to all the seats

■ **Operation of automatic airflow control**

- In order to maintain a comfortable interior, airflow may be directed to seats without passengers immediately after the hybrid system is started and at other times depending on the outside temperature.
- After the hybrid system is started, if passengers move around inside or enter/exit the vehicle, the system cannot accurately detect the presence of passengers and automatic airflow control will not operate.

■ **Operation of manual airflow control**

Even if the function is manually switched to directing airflow to only the front seats, when a rear seat is occupied, it may automatically direct airflow to all seats.

■ **To return to automatic airflow control**

1 With the indicator off, turn the power switch off.

2 After 60 minutes or more elapse, turn the power switch to ON.

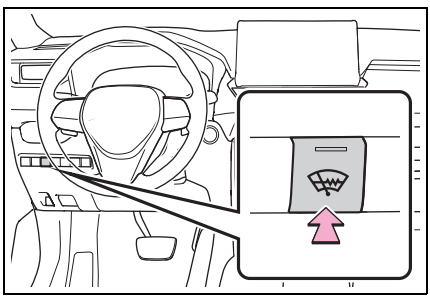
Windshield wiper de-icer (if equipped)

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

Press the switch to turn the system on/off.

The indicator comes on when the system is on.

The windshield wiper de-icer will automatically turn off after a period of time.



WARNING

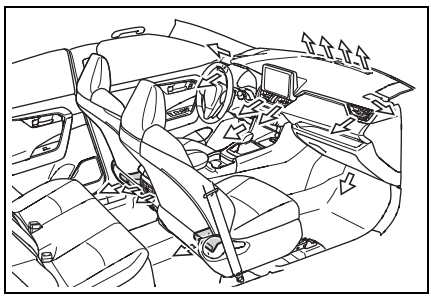
■ **To prevent burns**

Do not touch the glass at lower part of the windshield or to the side of the front pillars when the windshield wiper deicer is on.

Air outlet layout and operations

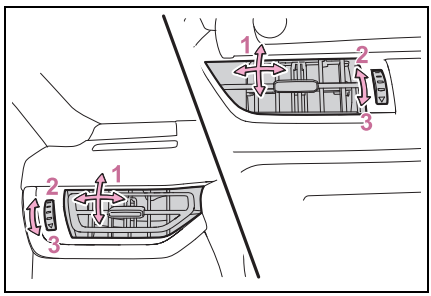
■ **Location of air outlets**

The air outlets and air volume change according to the selected air flow mode.



■ **Adjusting the air flow direction and opening/closing the air outlets**

▶ Front



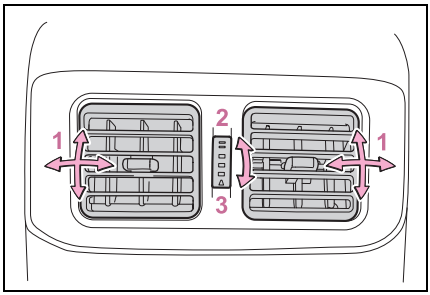
1 Direct air flow to the left or right, up or down

2 Open the vent*

3 Close the vent*

*: If equipped (center air outlets only)

▶ Rear



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

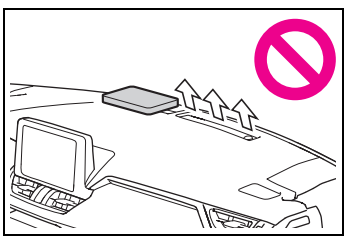
2 Open the vent

3 Close the vent

WARNING

■ To not interrupt the windshield defogger from operating

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.



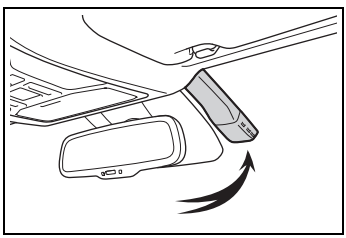
NOTICE

■ Humidity sensor

In order to detect fog on the windshield, a sensor which monitors the temperature of the windshield, the surround humidity, etc. is installed.

Follow these points to avoid damaging the sensor:

- Do not disassemble the sensor
- Do not spray the glass cleaner on the sensor or subject it to strong impacts
- Do not stick anything on the sensor



Remote Air Conditioning System

The Remote Air Conditioning System uses electrical energy stored in the hybrid battery (traction battery) and allows the air conditioning to be operated by remote control.

If the Remote Air Conditioning System is used while the AC charging cable is connected to the vehicle, electricity from an external power source can be used minimizing the drop in charge of the hybrid battery (traction battery).

Charging will be conducted automatically after the Remote Air Conditioning System is stopped.

Before leaving the vehicle

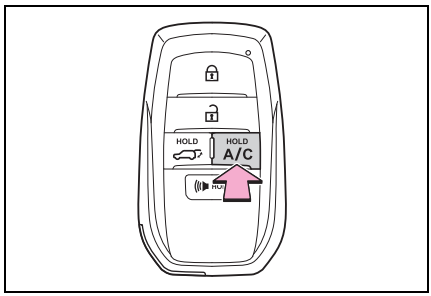
Check the temperature setting of the air conditioning system. (→P.396)

The Remote Air Conditioning System will operate in accordance with the temperature settings of the air conditioning system.

Activating the Remote Air Conditioning System

Press and hold “A/C” on the wireless remote control to operate the Remote Air Conditioning System.

The system can be stopped by pressing “A/C” twice.



■ Operating conditions

The system will only operate if all of the following conditions are met:

- The shift lever is in P.
- The power switch is off.
- All doors are closed.
- The hood is closed.

■ Remote Air Conditioning System automatic shut-off

The system will automatically shut off under the following conditions:

- About 20 minutes have passed since operation began
- Any one of the operating conditions is not met

The system may also shut off if the charge level of the hybrid battery (traction battery) drops to low.

■ Conditions affecting operation

The system may not start in the following situations:

- The charge level of the hybrid battery (traction battery) is low
- The outside temperature is extremely low
- When the hybrid system is cool (for example, after being left for a long time in low temperatures)

■ Windshield defogger

When defogging the windshield using the Remote Air Conditioning System, defogging may be insuffi-

cient due to the power being restricted more than during normal air conditioning operation. Also, the outside of the windshield may fog up due to the outside temperature, humidity or air conditioning set temperature.

■ Using the heater via the Remote Air Conditioning System

- When the outside temperature is low, heating may feel insufficient due to restricted operation of the air conditioning.
- When the outside heat exchanger becomes frosted over, heating performance may decline due to automatically switching to the frost removal operation. (→P.396)

■ Security feature

Any unlocked doors will be automatically locked when the system is operating. The buzzer sounds and the emergency flashers flash to indicate that the doors have been locked or the system has been turned off.

■ Conditions affecting operation

→P.218

■ While the Remote Air Conditioning System is operating

- Depending on the operating condition of the Remote Air Conditioning System, the air conditioning compressor or cooling fan may spin and an operating noise may be heard. However, this does not indicate a malfunction.
- The air conditioning operation switches, etc. will not operate while the Remote Air Conditioning System is operating.

■ Electronic key battery depletion

→P.194

■ When the electronic key battery is fully depleted

→P.493

■ Customization

Setting (e.g. Operation using “A/C” on the wireless remote control) can be changed. (Customizable features: →P.569)

WARNING

■ Precautions for the Remote Air Conditioning System

- Do not use the system if people are in the vehicle.
  Even when the system is in use, the internal temperature may still reach a high or low level due to features such as the automatic shut-off. Children and pets left inside the vehicle may suffer heatstroke dehydration or hypothermia or could result in death or serious injury.
- Depending on the surrounding environment, signals from the wireless switch may transmit further than expected. Pay appropriate attention to the vehicle’s surroundings and use the switch only when necessary.
- Do not operate “A/C” on the wireless remote control if the hood is open. The Remote Air Conditioning System may operate unintentionally and objects may be drawn into the electrical cooling fan.

NOTICE

■ To prevent the hybrid battery (traction battery) from being discharged

Use “A/C” on the wireless remote control only when necessary.

Heated steering wheel*/Front seat heaters*/Front seat heaters and ventilators*/Rear seat heaters*

*: If equipped

- Heated steering wheel

Warm up the grip of the steering wheel

- Front seat heaters

Warm up the front seat upholstery

- Front seat ventilators

Maintain good ventilation by pulling air through the front seat upholstery

- Rear seat heaters

Warm up the rear seat upholstery

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.)

■To prevent causes of overheating and minor burn injuries

Observe the following precautions when using a seat heater:

- Do not cover the seat with a blanket or cushion when using the seat heater.
- Do not use seat heater more than necessary.

NOTICE

■To prevent damage to the seat heaters and seat ventilators

Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.

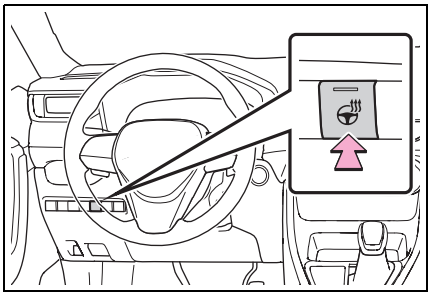
■To prevent 12-volt battery discharge

Do not use the functions when the hybrid system is off.

Heated steering wheel

Turns the heated steering wheel on/off

The indicator light comes on when the heated steering wheel is operating.

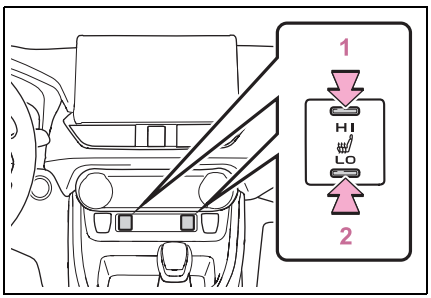


■ **Operation condition**

The power switch is in ON.

Operating the front seat heaters

Turns the seat heaters on/off



1 High temperature

2 Low temperature

When the seat heater is on, the indicator illuminates on the seat heater switch.

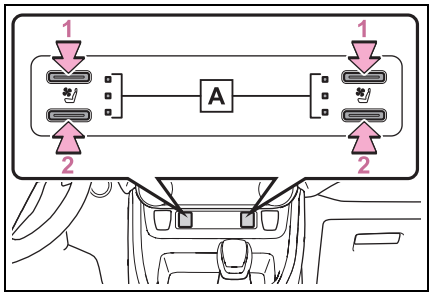
When not in use, put the switch in the neutral position. The indicator will turn off.

Operating the front seat heaters and ventilators

Turns the front seat heaters and ventilators on/off

Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit) → Mid (2 segments lit) → Lo (1 segment lit) → Off



1 Turns the seat heater on

The level indicators (yellow) A light up during operation.

2 Turns the seat ventilator on

The level indicators (green) A light up during operation.

■ **Operation condition**

The power switch is in ON.

■ **Air conditioning system-linked control mode**

When a seat ventilator is set to Hi, the fan speed of the seat ventilator may increase according to the fan speed of the air conditioning system.

■ **Customization**

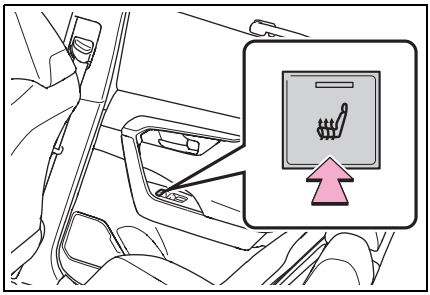
Seat ventilation blower level can be customized.

(Customizable features: →P.580)

Operating the rear seat heaters (if equipped)

Turns the seat heaters on/off

The indicator light comes on when the seat heater is operating.

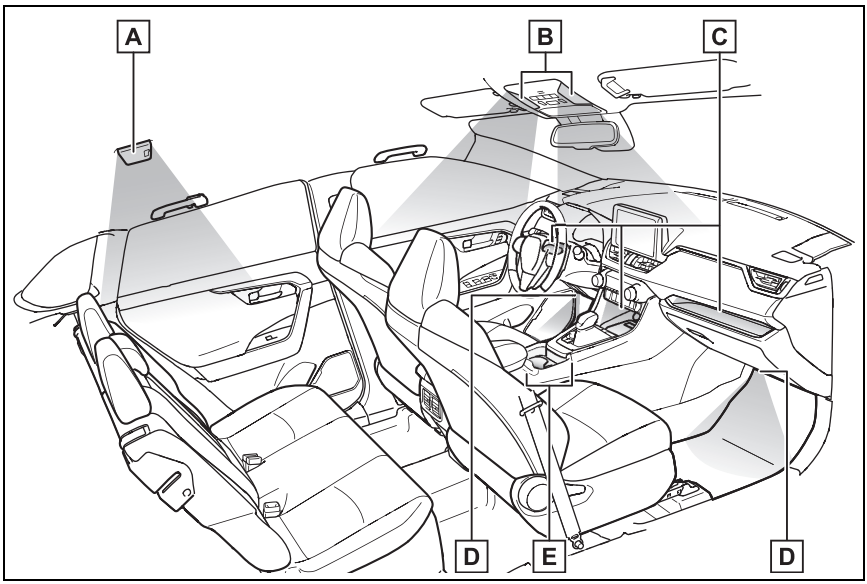


■ **Operation condition**

The power switch is in ON.

Interior lights list

Location of the interior lights



A Rear interior light (→P.411)

B Front interior lights/personal lights (→P.410, 411)

C Open tray lights (if equipped)*

D Footwell lights (if equipped)*

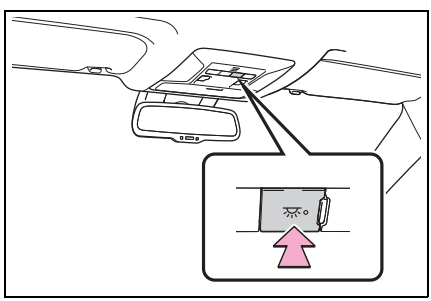
E Front cup holder lights (if equipped)*

*: These lights turn on when a door is unlocked.
When the shift lever is in a position other than P, the brightness of these lights will reduce intensity.

Operating the interior lights

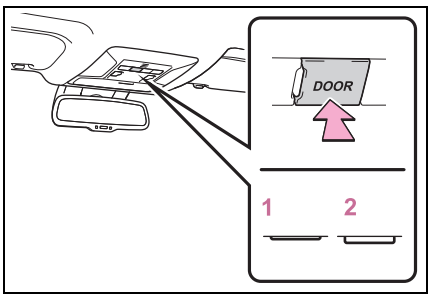
■ Front interior lights

Turns the lights on/off



Turns the switch to the door position (door linked)

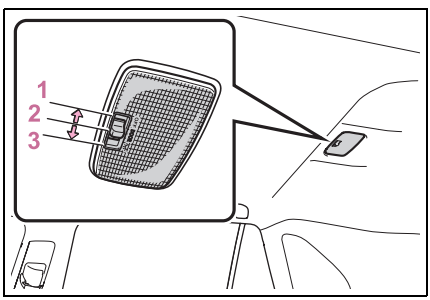
When a door is opened while the door position is on, the lights turn on.



1 Turns the door position on

2 Turns the lights off

■ Rear interior light



1 Turns the light off

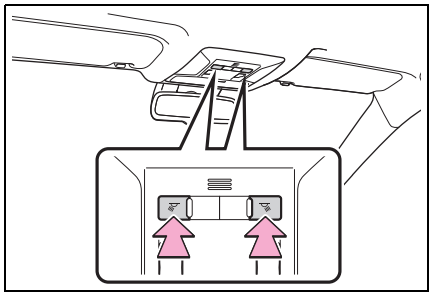
2 Turns the door position on

When a door is opened while the door position is on, the light turns on.

3 Turns the light on

Operating the personal lights

Turns the lights on/off



■ 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 to OFF, the lights will go off automatically after 20 minutes.

■ The interior lights will turn on automatically when

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

Setting (e.g. the time elapsed before the lights turn off) can be changed. (Customizable features: →P.581)

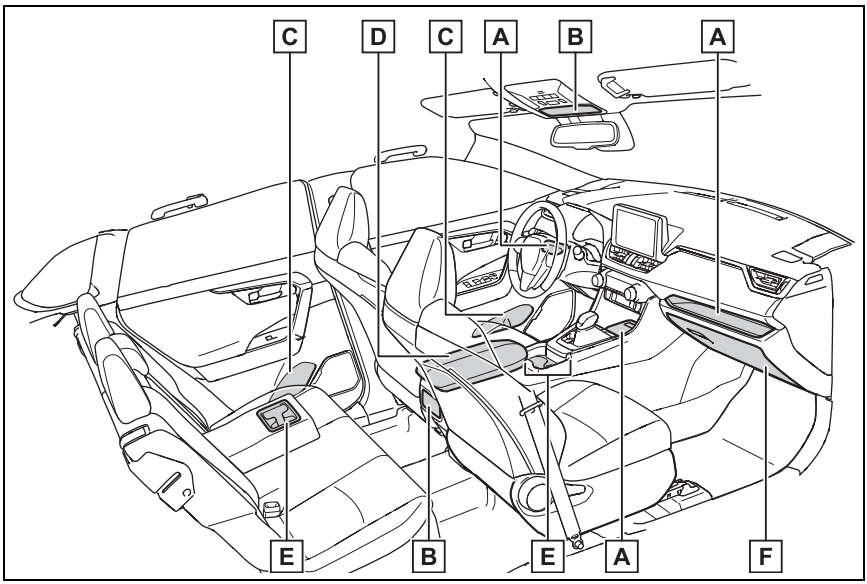
NOTICE

■ 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 Open tray (→P.416)

B Auxiliary boxes (→P.415)

C Bottle holders (→P.415)

D Console box (→P.414)

E Cup holders (→P.414)

F Glove box (→P.413)

WARNING

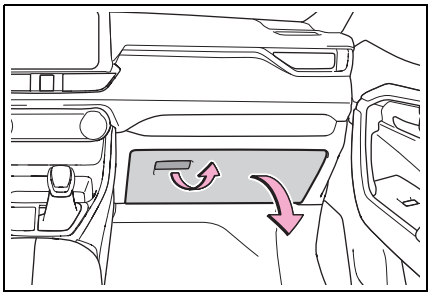
■ **Items that should not be left in the vehicle**

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.



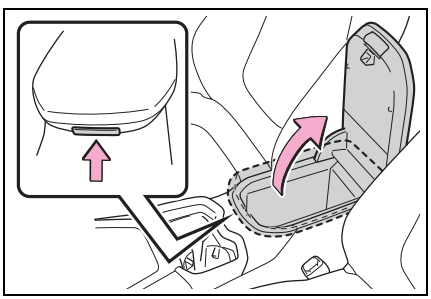
WARNING

■ 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.

Console box

Lift the lid while pushing the button to release the lock.



WARNING

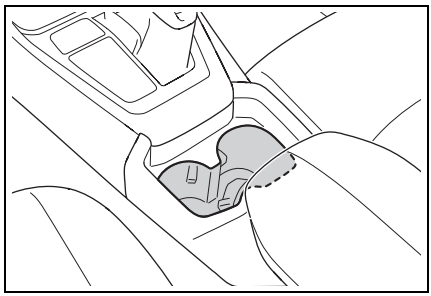
■ Caution while driving

Keep the console box closed.

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

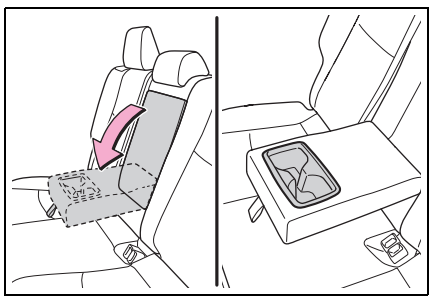
Cup holders

▶ Front



▶ Rear

Pull the armrest down.



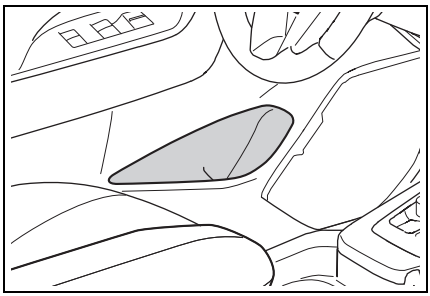
WARNING

■ Items unsuitable for the cup holders

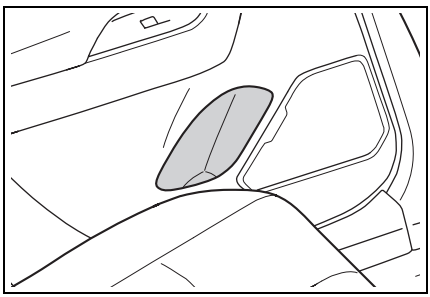
Do not place anything other than cups or beverage cans in the cup holders.
Inappropriate items must not be stored in the cup holders even if the lid is closed.
Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

Bottle holders

▶ 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.

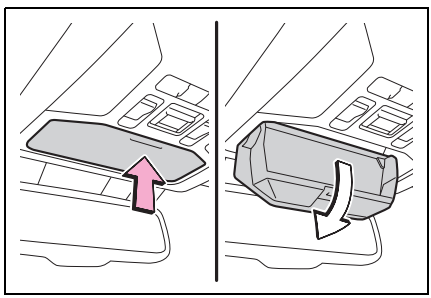
⚠ NOTICE

■ 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.

Auxiliary box

Push the lid.



⚠ WARNING

■ Caution while driving

Do not leave the auxiliary box open while driving.

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

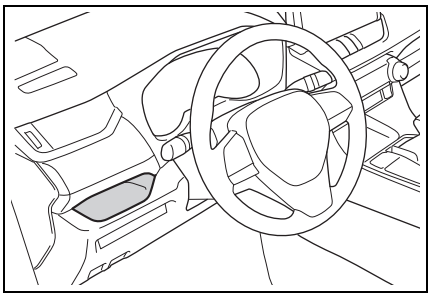
■ Items unsuitable for storing

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

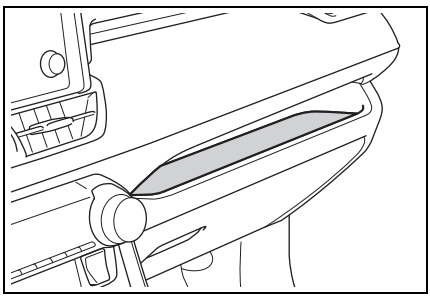
Doing so may cause the auxiliary box to open and the items inside may fall out, resulting in an accident.

Open tray

▶ Driver's side

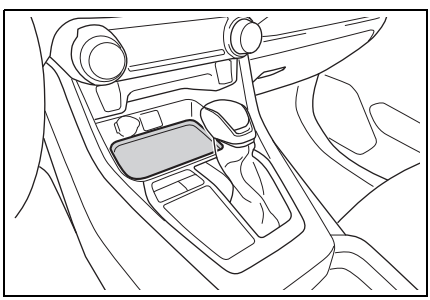


▶ Front passenger's side



▶ Front of console

Vehicles with wireless charger:
→P.427



WARNING

■ Items unsuitable for the open tray

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.

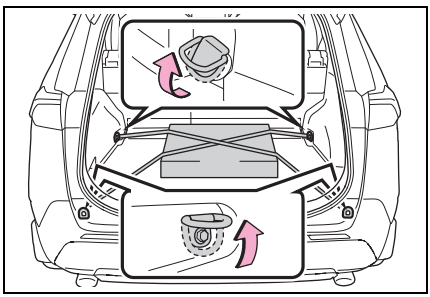
- Do not store items in the tray that can easily shift or roll out.
- Do not stack items in the tray higher than the tray's edge.
- Do not put items in the tray that may protrude over the tray's edge.

Luggage compartment features

Cargo hooks

Raise the hook to use.

The cargo hooks are provided for securing loose items.



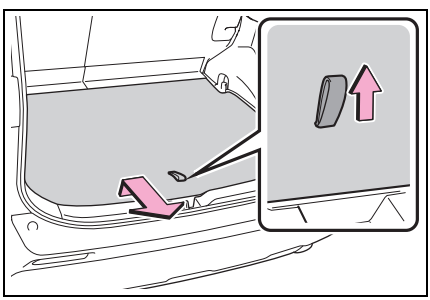
WARNING

■When cargo hooks are not in use

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

Deck board

Pull the tab and open the deck board.



WARNING

■When operating the deck board

Do not place anything on the deck board when operating the board. Otherwise, your fingers may be caught or an accident may result causing injuries.

■Caution while driving

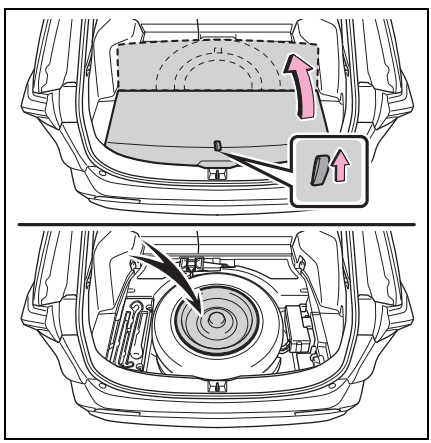
Keep the deck board closed.

In the event of sudden braking, an accident may occur due to an occupant being struck by the deck board or the items stored under the deck board.

Deck under tray

Pull the tab and open the deck board.

The AC charging cable, etc., can be stored.



WARNING

■ Caution while driving

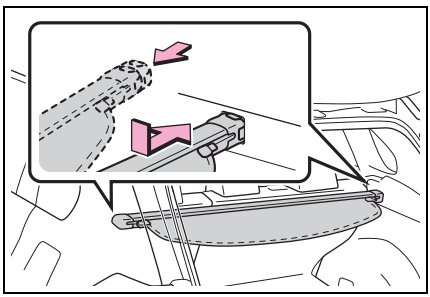
Keep the deck board closed.

In the event of sudden braking, an accident may occur due to an occupant being struck by the deck board or the items stored in the deck under tray.

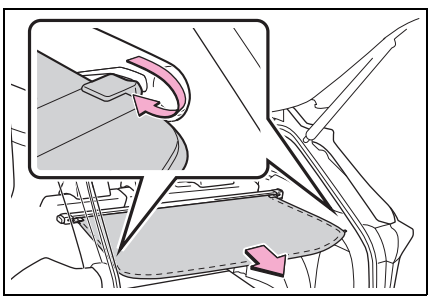
Luggage cover (if equipped)

■ Installing the luggage cover

1 Compress the both ends of the luggage cover and insert into the recess to install.

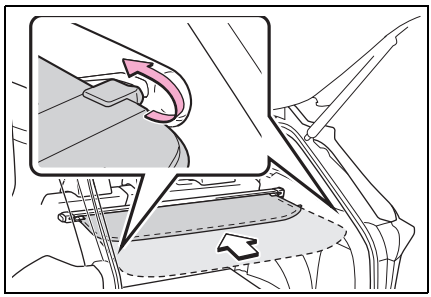


2 Pull out the luggage cover and hook it onto the anchors.

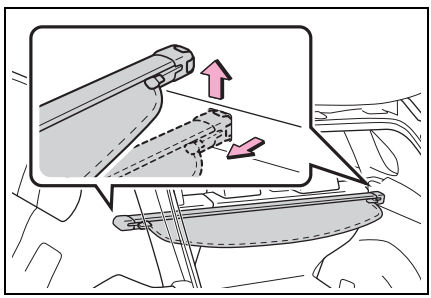


■ Removing the luggage cover

1 Release the cover from the left and right anchors and allow it to retract.



2 Compress the end of the luggage cover and lift the luggage cover up.



WARNING

■ Luggage cover

- When installing/stowing the luggage cover, make sure that the luggage cover is securely installed/stowed. Failure to do so may result in serious injury in the event of sudden braking or a collision.
- Do not place anything on the luggage cover. In the event of sudden braking or turning, the item may go flying and strike an occupant. This could lead to an unexpected accident, resulting in death or serious injury.

WARNING

- Do not allow children to climb on the luggage cover. Climbing on the luggage cover could result in damage to the luggage cover, possibly causing death or serious injury to the child.

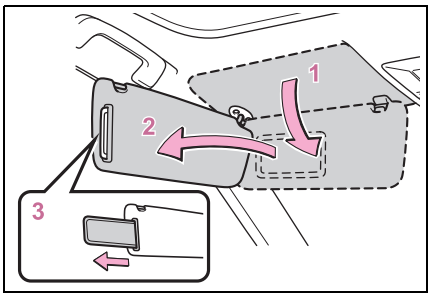
NOTICE

■ To prevent damage to the luggage cover

Do not place anything on top of the luggage cover. When rolling up the luggage cover, objects may be caught in the cover, damaging the cover and generating noise.

Other interior features

Sun visors



1 To set the visor in the forward position, flip it down.

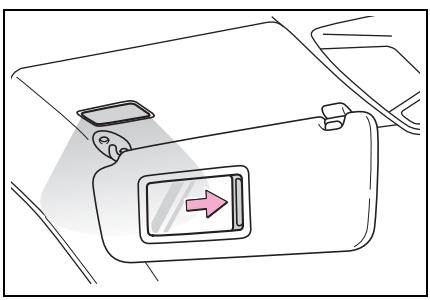
2 To set the visor in the side position, flip down, unhook, and swing it to the side.

3 To use the side extender (if equipped), place the visor in the side position, then slide it backward.

Vanity mirrors

Slide the cover to open.

The light turns on when the cover is opened.



■ Automatic light off to prevent 12-volt battery discharge

If the vanity lights remain on when the power switch is turned to OFF, the lights will go off automatically after 20 minutes.

> ⚠ NOTICE
>
> **■ To prevent 12-volt battery discharge**
>
> Do not leave the vanity lights on for extended periods while the hybrid system is off.

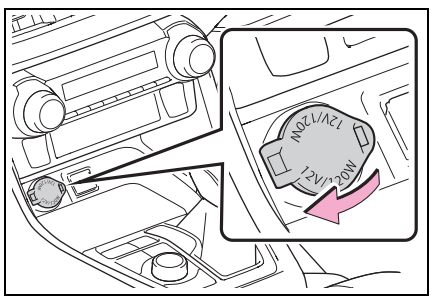
Power outlet (12 VDC)

Please use a power supply for electronic goods that use less than 12 VDC /10 A (power consumption of 120 W).

When using electronic goods, make sure that the power consumption of all the connected power outlets is less than 120 W.

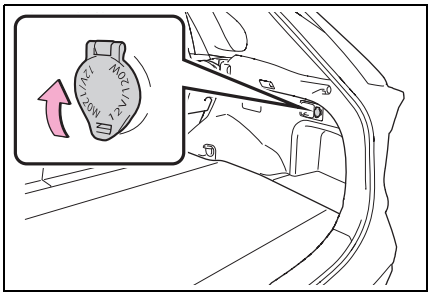
■ Front

Open the lid.



■ Luggage compartment

Open the lid.



■ **The power outlet can be used when**

The power switch is in ACC or 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

■ **When power outlet is not in use**

To avoid damaging the power outlet, close the power outlet lid when the power outlet is not in use.

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

■ **To prevent blown fuse**

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

■ **To prevent 12-volt battery discharge**

Do not use the power outlet longer than necessary when the hybrid system is off.

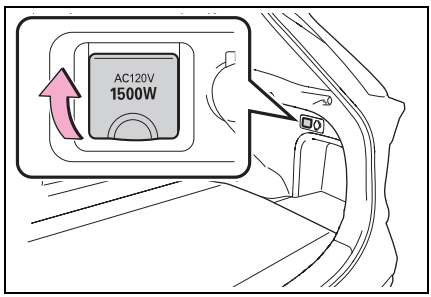
Power outlet (120 VAC) (if equipped)

Please use a power supply for electronic goods that use less than 120 VAC (power consumption of 1500 W).

When using electronic goods, make sure that the power consumption of all the connected power outlets is less than 1500 W.

■ **Using the power outlet**

Open the lid.



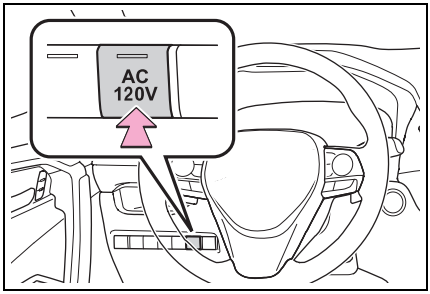
■ **When turning the power outlet on**

1. Check that the parking brake is engaged, securely depress the brake pedal and press the power switch (→P.279).
2. Check that the READY indicator is illuminated, and press the AC 120 V switch.

The power outlet can be used when the indicator on the AC 120 V switch is illuminated.

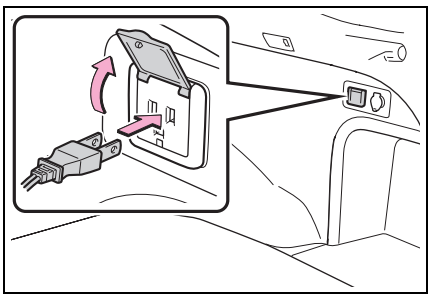
The power outlet are turned off/on each time the AC 120 V switch is

pressed.



■ When connecting a device

Open the lid, and fully and securely insert the plug of the device into the power outlet.



■ When turning the power outlet off

1. Turn the connected devices off.
2. Press the AC 120 V switch to turn the power outlet off.
3. Disconnect each plug from the power outlet.
4. Close the lid of the power outlet.

■ The power outlet (120 VAC) can be used when

"READY" indicator is illuminated.

■ Engine operating

The engine starts automatically and charging starts when the remaining charge of the hybrid battery (traction battery) decreases, etc.

■ The power outlet (120 VAC)

- Use electrical devices that do not exceed a total maximum power usage of 1500 W at AC 120 V for the power outlet (AC 120 V/1500 W). If electrical devices exceeding the specified capacity are used, the protection function will activate and prevent the power outlet from being used.
- A large current may flow causing the current power to exceed 1500 W depending on the electrical device used. In this situation, the protective function activates and the outlet cannot be used. However, this is not a malfunction.
- Certain types of electrical devices may disturb TV or radio by noises.
- Power outlet voltage cannot be measured accurately by using a commercial tester. If you need to check the voltage, have the vehicle inspected at your Toyota dealer.
- Noise may be heard from the cooling fan under the rear seats when using the power outlet, but this is not a malfunction.

■ 120 VAC Devices which may not operate properly

The following 120 VAC devices may not operate properly even if their power consumption is less than 1500 W:

- Devices with high initial peak wattage
- Measuring devices that process precise data
- Devices that require an extremely stable power supply
- Devices that require a constant power supply from the power outlet, such as a device with a timer.

When the 120 VAC power outlet cannot be used

If the AC 120 V switch is pressed but the switch indicator does not illuminate, the protection circuit may have operated.

In this case, perform the appropriate procedures as follows.

- Disconnect the plug of each device from the power outlet, check that the total power consumption of all devices to be connected to the power outlet is less than 1500 W, reconnect the devices and then press the AC 120 V switch again.
- Disconnect the plug of each device from the power outlet, check that the devices are not malfunctioning, reconnect the devices and then press the AC 120 V switch again.
- Check the charge of the hybrid battery (traction battery) (→P.165). If the charge is low, shift the shift lever to P, allow the engine to run to charge the hybrid battery (traction battery), and then press the AC 120 V switch again.
- If the temperature inside the vehicle is high, such as after the vehicle has been parked in the sun, use the air conditioning system to sufficiently ventilate or cool the interior, and then press the AC 120 V switch again.
- If the vehicle has been stopped in a cold area, to protect the hybrid battery (traction battery), the power outlet may not be able to be used. In this case, drive the vehicle for a while to warm up the hybrid battery (traction battery), and then press the AC 120 V switch again.

If the power outlet cannot be used even after performing the appropriate procedures above, have the vehicle inspected by your Toyota dealer.

- If any electrical device has malfunctioned, park the vehicle in a safe location and turn the AC inverter off.
- If the protection function activates and power is cut, perform the following procedure.

1. Stop the vehicle in a safe place and set the parking brake.
2. Ensure that the shift lever is in P or N.
3. Check that the power consumed by the electrical devices is within 1500 W and any device has not malfunctioned.
4. Press the AC 120 V switch.

If the inside of the vehicle is hot, open the windows to lower the temperature and turn the switch back on once the inside of the vehicle reaches a normal temperature. If following the procedure above does not restore power, have the vehicle inspected at your Toyota dealer.

WARNING

For safe use

Observe the following precautions.
Failure to do so may lead to an accident, resulting in death or serious injury.

- Do not use devices such as the following when driving. Also, do not use a device if it cannot be secured within the vehicle.
  - Devices which may distract the driver and be a hinderance to safe driving, such as a TV, DVD player, etc.
  - Unsecured devices or devices which generate heat, such as a toaster, microwave, electric heater, electric kettle, coffee maker, etc., as they may fly around possibly causing injury, burns or a fire in the case of sudden braking or an accident.

WARNING

- Devices which may fall under the pedals and prevent the brake pedal from being depressed, such as a hair dryer, AC adaptor, mouse, etc.

- Do not use devices which produce steam while the windows are closed. Doing so may cause the windows to fog up, reducing visibility and making it difficult to drive safely. Also, the steam may damage or negatively affect other devices. If the device must be used, stop the vehicle and open the windows before use.

- Do not connect a malfunctioning device to a power outlet, as doing so may cause the power outlet to become inoperable.

- Do not disconnect the plug of a device while your hands are wet or insert a pin or other object into the power outlet. Also, if a liquid or snow is on the power outlet, dry the outlet before using it.

- Be careful not to get pinched by the power outlet lid.

- Do not attempt to modify, disassemble or repair a power outlet. Also, do not replace the 120 VAC inverter with a commercially available one. For information on repairs, contact your Toyota dealer.

- Do not let children touch the power outlet.

- Keep the power outlet free of foreign matter.

- Keep the power outlet free of dust and foreign matter. Also, make sure to clean the power outlet periodically.

- If the plug of a device fits loosely in a power outlet, even though it is fully inserted, replace the power outlet. For information on replacement, contact your Toyota dealer.

■ Using the power outlet while parked or stopped

Observe the following precautions.
Failure to do so may lead to an accident, possibly resulting in death or serious injury.

- Make sure to securely engage the parking brake and shift the shift lever to P.

- Do not leave the vehicle unattended while the READY indicator is illuminated and a device is connected to a power outlet.

- Make sure that the hood is closed. As the engine will start automatically depending on the condition of the vehicle, make sure that nothing is left near or contacting the exhaust pipes. Also, do not put your head or hands anywhere inside the engine compartment, as the cooling fans may operate suddenly. Keep hands and clothing (especially a tie, scarf, etc.) away from the fans as they may get caught in a fan.

- Do not stop the vehicle near objects which burn easily. If the exhaust system is extremely hot, it may cause a fire.

WARNING

- When using a power outlet in an area with poor ventilation or an enclosed area, such as a garage, to prevent the exhaust gasses from accumulating and causing a lack of oxygen, make sure to use a ventilation or exhaust system.
  The power outlet are for use in directly connecting electrical devices such as lights. Do not use the power outlet as generators to supply power to a house, etc.
- Do not use the power outlet if the vehicle has a vehicle cover installed.
- Do not sleep in the vehicle while using devices such as an electric heater.

■ Devices to be connected

Make sure to read any instruction manual which came with a device and observe any warnings on the device. Do not connect a device to a power outlet if the device is malfunctioning or its plug is damaged. Also, do not use the power outlet to power the following devices:

- Medical devices

Do not use a power outlet to power these types of devices as the output of the power outlet may be cut, depending on the condition of the vehicle.

NOTICE

Observe the following precautions.
Failure to do so may lead to the power outlet not operating correctly or damage to the vehicle or a connected device.

■ To avoid short circuit or malfunction

- Do not set a toaster or other device which generates heat near the interior components or on a seat. Heat may cause these parts to melt or burn.
- Do not use devices which are sensitive to vibration or heat in the vehicle.
  These devices may malfunction due to vibration while driving or heat while the vehicle is parked in the sun.
- When not using a power outlet, make sure to close the cover. If foreign matter or a liquid enters the power outlet, it may cause a malfunction or short circuit.
- Do not use a multi-point outlet adaptor as doing so may overload the power outlet.

■ When the ambient temperature is high

If the temperature inside the vehicle is high, such as after the vehicle has been parked in the sun, use the air conditioning system to sufficiently ventilate or cool the interior.

■ When the ambient temperature is low

If the vehicle has been stopped in a cold area, to protect the hybrid battery (traction battery), the power outlet may not be able to be used. In this case, drive the vehicle for a while to warm up the hybrid battery (traction battery).

■ To prevent 12-volt battery discharge

If using an electrical device that consumes 100 W or more of power for a period of time, turn off the headlights, air conditioning and all other electrical components equipped to the vehicle.

USB charging ports

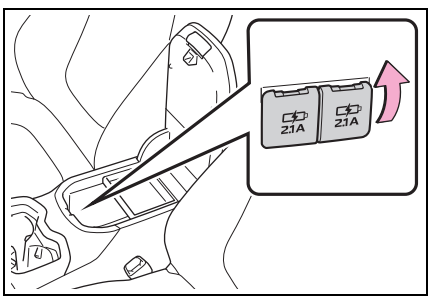
The USB charging ports are used to supply 2.1 A of electricity at 5 V to external devices. The USB charging ports are for charging only. They are not designed for data transfer or other purposes.
Depending on the external device, it may not charge properly. Refer to the manual included with the device before using a USB charging port.

■ Using the USB charging ports

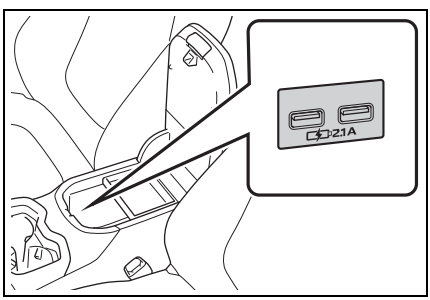
▶ Console box

Type A:

Open the console box and open the lid.

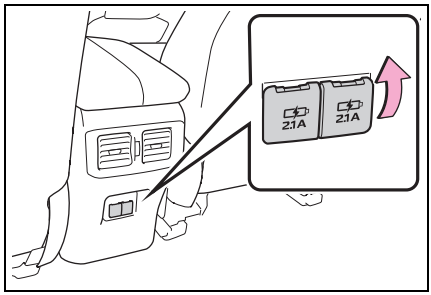


Type B:



▶ Rear

Open the lid.



■ The USB charging ports can be used when

The power switch is in ACC or ON.

■ Situations in which the USB charging ports may not operate correctly

- If a device which consumes more than 2.1 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 devices

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.

NOTICE

- When the USB charging ports are not in use, close the lids. If a foreign object or liquid enters a port may cause a short circuit.
- 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.

■ To prevent 12-volt battery discharge

Do not use the USB charging ports for a long period of time when the hybrid system is off.

Wireless charger (if equipped)

A portable device can be charged by just placing Qi standard wireless charge compatible portable devices according to the Wireless Power Consortium, such as smartphones and mobile batteries, etc., on the charge area.

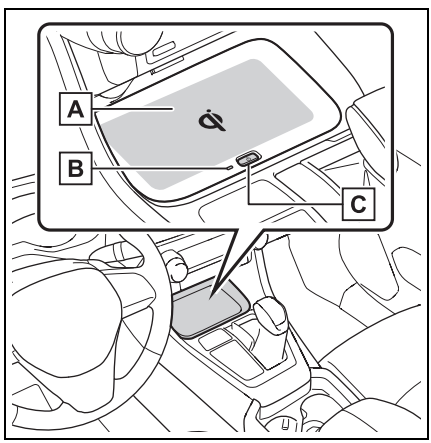
This function cannot be used with portable devices that are larger than the charging area.

Also, depending on the portable device, it may not operate as normal. Please read the operation manual for portable devices to be used.

■ The “Qi” symbol

The “Qi” symbol is a trademark of the Wireless Power Consortium.

■ Name for all parts



A Charge area

B Operation indicator light

C Power supply switch

■ Using the wireless charger

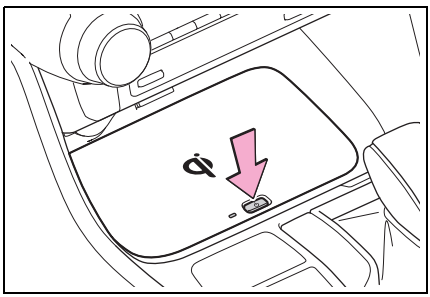
1 Press the power supply switch of the wireless charger.

Switches on and off with each

press of the power supply switch.

When turned on, the operation indicator light (green) comes on.

Even with the hybrid system off, the on/off state of the power supply switch is memorized.

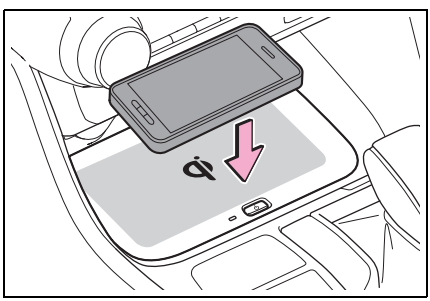


2 Place the charging side of the portable device down.

When charging, the operation indicator light (orange) comes on.

If charging is not occurring, try placing the portable device as close to the center of the charging area as possible.

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 the portable device is moved, charging is stopped for a moment and then it restarts.

■ **Lighting conditions of operation indicator light**

Operation indicator light	Conditions
Turning off	When the Wireless charger power supply is off
Green (comes on)	On Standby (charging possible state)
	When charging is complete*
Orange (comes on)	When placing the portable device on the charging area (detecting the portable device)
	Charging

*: 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.

- When the operation indicator light flashes

When an error occurs, the operation indicator light flashes an orange color.
Handle the error based on the following tables.

- Flashing repeatedly once every second (Orange)

Suspected causes	Handling method
Vehicle to charger communication failure.	If the power switch is in ACC: Turn the power switch to ON. If the power switch is in ON: Turn the power switch off and then back to ON. If the operation indicator light still blinks after performing the above procedure, contact your Toyota dealer.

- Repeatedly flashes 3 times continuously (Orange)

Suspected causes	Handling method
A foreign substance is between the portable device and charge area.	Remove the foreign substance from between portable device and the charge area.
The portable device is out of sync due to the device being shifted from the center of the charge area.	Place the portable device near the center of the charge area.

- Repeatedly flashes 4 times continuously (Orange)

Suspected causes	Handling method
Temperature rising within the wireless charger.	Stop charging at once and start charging again after for a while.

■ The wireless charger can be operated when

The power switch is in ACC or ON.

■ Usable portable devices

Qi standard wireless charge standard can be used on compatible devices.
However, not all Qi standard devices and compatibility are guaranteed.

Starting with mobile phones and smartphones, it is aimed for low power electrically supplied portable devices of no more than 5W.

■ 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 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.

■ While charging, noise enters the AM radio

Turn off the wireless charger and confirm that the noise has decreased. If the noise decreases, continuously pushing the power supply switch of the wireless charger for 2 seconds, the frequency of the charger can be changed and the noise can be reduced.Also, on that occasion, the operation indicator

light will flash orange 2 times.

■ **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.
- Depending on usage of the portable device, it may not be fully charged. This is not a malfunction.
- When using a mobile phone near a wireless charger, the call sensitivity and communication speed may be reduced.

■ **Operation sounds**

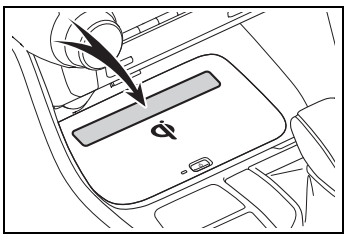
When the power supply is turned on, while searching for the portable device a sound will be produced, however this is not a malfunction.

■ **Cleaning the wireless charger**

→P.448

■ **Label indicating precautions for using the wireless charger**

There is a label on the wireless charger. Follow the instructions on the label.



■ **Certification for the wireless charger**

FCC Provided Information:
This equipment has been tested and found to comply with Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This device complies with Part 18 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Declaration of Conformity

Trade Name:	Panasonic
Model Numbers:	AT1701 contains CA-QS03J1AJ
Responsible Party:	Panasonic Corporation of North America Two Riverfront Plaza, Newark, NJ 07102-5490
Support Contact:	http://shop.panasonic.com/support/

Panasonic

PRODUCT SAFETY AND COMPLIANCE DEPARTMENT . PANASONIC CORPORATION OF NORTH AMERICA . TWO RIVERFRONT PLAZA, 6TH FLOOR, NEWARK, NJ 07102-5490

FCC Declaration of Conformity
Summary

Product Name	In-Vehicle Wireless Charger	
Model Number	AT1701	
Brand Name	Panasonic	
Size and Mass	• 245mm (w), 136mm (l) and 48mm (h) and mass is 515grams	
Purpose Updated DoC	Added similarity variant model / AT1701 contains CA-QS03J1AJ	
Compliance Information	• 47 CFR, FCC Part 18, Subpart C for ISM Equipment FCC's KDB 680106 D01 RF Exposure Wireless Charging Apps v02 • Industry Canada RSS-216, Issue 1, dated August 2014 For Wireless Power Transfer Devices (Wireless Chargers)	
Responsible Applicant	Panasonic Corporation Automotive & Industrial Systems Company Automotive Infotainment Systems Business Division 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, 224-8520, Japan	
Responsible Factories	• Panasonic Corporation, Automotive & Industrial Systems Company Automotive Infotainment / Systems Business Division Global Manufacturing Innovation Center, Matsumoto Factory 5652 Sasaga, Matsumoto city, Nagano 399-8730, Japan • Panasonic Automotive Systems Czech, s.r.o. U Panasonicu 266, 530 06 Pardubice-Stare Civice, Czech Republic • Panasonic Automotive Systems Asia Pacific (Thailand) Co.,Ltd. 101 Moo 2 Teparak Road, T.Bangsaothong Ging A.Bangsaothong Samutprakarn 10540 Thailand • Panasonic Automotive Systems Dalian Co., Ltd. No.300, HongGang Road, GanJingZi District, Dalian, Liaoning Province, 116033 China	
Responsible Sales Company	Panasonic Consumer Electronics Company Division of Panasonic Corporation of North America Two Riverfront Plaza, Newark, NJ 07102-5490 General Contact: http://shop.panasonic.com/support	
Special Conditions For Compliance	In-Vehicle Wireless Charger will be installed and used exclusively within transportation vehicle and as such, it is exempt from the following requirements: (1) Part 15 digital device technical rules in accordance with §15.103(a); and (2) §15.105(b) full text information to user to appear in User Manual in accordance with §18.213.	
EMI Test Report	TCB	UL Japan
	Test Report	10120384-R2
	Model Tested	AT1701 contains CA-QS03J1AJ
	Date Issued	12/14/2015
	Methodology	FCC-OET MP-4

PSCD
Panasonic

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Panasonic

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FCC Declaration of Conformity

Summary

RF Exposure Evaluation	TCB	UL Japan
	MPE Test Report	10197157S-E-R1
	Model Tested	AT1701 contains CA-QS03J1AJ
	Date Issued	12/14/2015
	Methodology	KDB 680106 D01 RF Exposure Wireless Charging Apps v02
Importation	The subject In-Vehicle Wireless Charger can be imported on behalf of Panasonic affiliated sales companies by PNA's Logistics Import Customs, or their authored brokers, by electrically filing FCC Form 740 white declaring Box 2 with no reference to any FCC ID.	

This DoC is granted for the subject In-Vehicle Wireless Charger on the basis of the manufacturer's attested compliance with the above described conditions and in accordance with FCC Part 18 and FCC's KDB 0680106 D01 RF Exposure Wireless Charging Apps v02.

Richard Mullen

Certificate Number: DoC 2014-008C
Applicant Ref No.: PAS-16-F001

Issued by: Richard Mullen
Issue Date: January 14, 2016

PRODUCT SAFETY AND COMPLIANCE DEPARTMENT . PANASONIC CORPORATION OF NORTH AMERICA . TWO RIVERFRONT PLAZA, 9TH FLOOR, NEWARK, NJ 07102-5490

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.

■ Caution regarding interference with electronic devices

People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators, as well as any other electrical medical device, should consult their physician about the usage of the wireless charger. The operations of the wireless charger may have an affect on medical devices.

■ To prevent damage or burns

Observe the following precautions.
Failure to do so may result in a possibility of equipment failure and damage, catch fire, burns due to overheat.

- Do not insert any metallic objects between the charging area and the portable device while charging
- Do not place containers with liquid such as water on the wireless charger.
- Do not attach stickers, metallic objects, etc., to the charger area or portable device
- Do not cover with cloth, etc., and charge
- Do not charge portable devices other than designated
- Do not attempt to dismantle for disassembly or modifications
- Do not hit or apply a strong force

NOTICE

■ Conditions in which the function may not operate correctly

In the following conditions, it may not operate correctly

- The portable device is fully charged
- There is foreign matter between the charge area and portable device
- The temperature of the portable device gets higher from charging
- The charging surface of the portable device is facing up
- The placement of the portable device is out of alignment with the charge area
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When the electronic key 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

NOTICE

- When other wireless keys (that emit radio waves) are being used nearby

In addition, excluding the above-mentioned, when the charger does not perform normally or the operation display lamp is flashing continuously, it is considered that the wireless charger is malfunctioning. Contact authorized Toyota dealer.

■ To prevent failure or damage to data

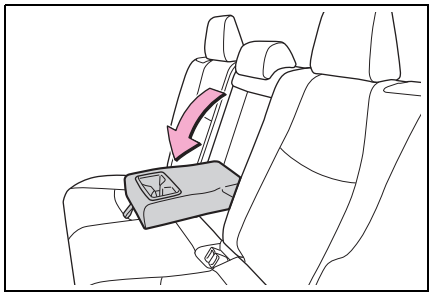
- Do not bring magnetic cards, such as credit cards, a contactless IC card, or magnetic recording media, etc., close to the charger while charging, otherwise, data may disappear under the influence of magnetism. Also, do not bring precision instruments such as wrist watches, etc., close to the charger, as such objects may break.
- Do not leave portable devices in the cabin. The temperature inside the cabin may become high, when under the sun, and cause damage to the device.

■ To prevent 12-volt battery discharge

When the hybrid system is stopped, do not use the wireless charger for a long time.

Armrest

Fold down the armrest for use.



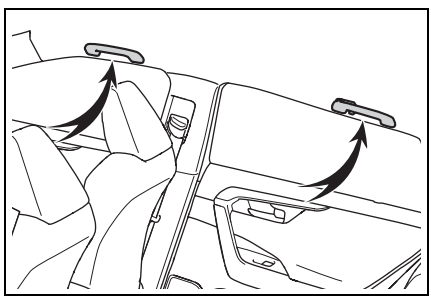
NOTICE

■ 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 grips

Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

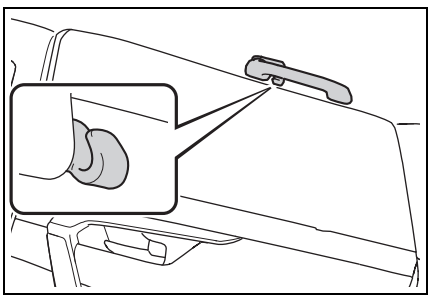
NOTICE

■ **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 must not be hanged on the 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.

Garage door opener*

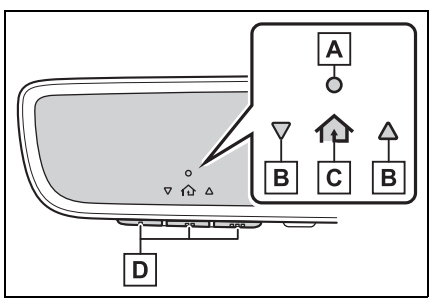
*: If equipped

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

System components

The HomeLink® wireless control system in your vehicle has 3 buttons which can be programmed to operate 3 different devices. Refer to the programming methods on the following pages to determine the method which is appropriate for the device.

▶ Vehicles with auto anti-glare inside rear view mirror



A HomeLink® indicator light

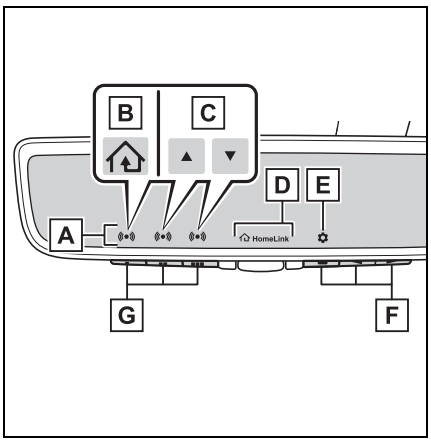
B Garage door operation indicators

C HomeLink® icon

Illuminates while HomeLink® is operating.

D Buttons

▶ Vehicles with Digital Rear-view Mirror



A HomeLink® indicator light

Illuminates above each button selected.

B HomeLink® icon

C Garage door operation indicators

D HomeLink® logo

Appears while HomeLink® is operating.

When the HomeLink® button is pressed, the logo disappears even while the HomeLink® is operating.

E Setting icon

Press the menu button to change the setting.

F Menu buttons

G HomeLink® buttons

■ **Codes stored in the HomeLink® memory**

- The registered codes are not erased even if the 12-volt battery cable is disconnected.
- If learning failed when registering a different code to a HomeLink® button that already has a code registered to it, the already registered code will not be erased.

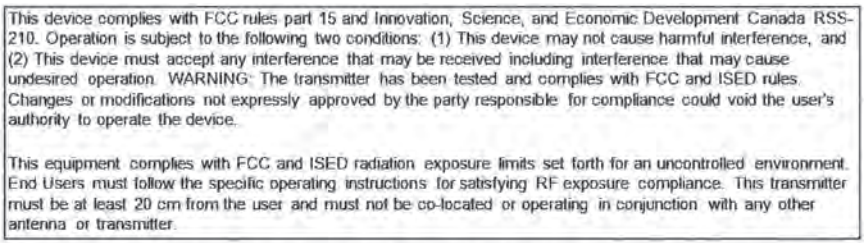
■ **Certification for the garage door opener**

▶ For vehicles sold in the U.S. mainland and Hawaii

This device complies with FCC rules part 15 and Innovation, Science, and Economic Development Canada RSS-210. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference that may be received including interference that may cause undesired operation. WARNING: The transmitter has been tested and complies with FCC and ISED rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

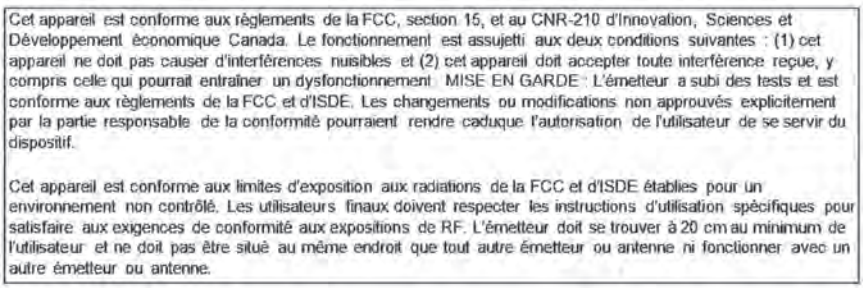
This equipment complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. End Users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must be at least 20 cm from the user and must not be co-located or operating in conjunction with any other antenna or transmitter.

▶ For vehicles sold in Canada



This device complies with FCC rules part 15 and Innovation, Science, and Economic Development Canada RSS-210. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference that may be received including interference that may cause undesired operation. WARNING: The transmitter has been tested and complies with FCC and ISED rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

This equipment complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. End Users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must be at least 20 cm from the user and must not be co-located or operating in conjunction with any other antenna or transmitter.



Cet appareil est conforme aux règlements de la FCC, section 15, et au CNR-210 d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est assujetti aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles et (2) cet appareil doit accepter toute interférence reçue, y compris celle qui pourrait entraîner un dysfonctionnement. MISE EN GARDE : L'émetteur a subi des tests et est conforme aux règlements de la FCC et d'ISDE. Les changements ou modifications non approuvés explicitement par la partie responsable de la conformité pourraient rendre caduque l'autorisation de l'utilisateur de se servir du dispositif.

Cet appareil est conforme aux limites d'exposition aux radiations de la FCC et d'ISDE établies pour un environnement non contrôlé. Les utilisateurs finaux doivent respecter les instructions d'utilisation spécifiques pour satisfaire aux exigences de conformité aux expositions de RF. L'émetteur doit se trouver à 20 cm au minimum de l'utilisateur et ne doit pas être situé au même endroit que tout autre émetteur ou antenne ni fonctionner avec un autre émetteur ou antenne.

When support is necessary

Visit on the web at www.homelink.com/toyota or call 1-800-355-3515.

WARNING

When programming a garage door or other remote control device

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

Conforming to federal safety standards

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

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

When operating or programming HomeLink®

Never allow a child to operate or play with the HomeLink® buttons.

Programming HomeLink®

Before programming HomeLink®

- During programming, it is possible that garage doors, gates, or other devices may operate. For this reason, make sure that people and objects are clear of the garage door or other devices to prevent injury or other potential harm.
- It is recommended that a new battery be placed in the remote control transmitter for successful programming.

- Garage door opener motors manufactured after 1995 may be equipped with rolling code protection. If this is the case, you may need a stepladder or other sturdy, safe device to reach the “Learn” or “Smart” button on the garage door opener motor.

■ Programming HomeLink®

Steps **2** through **4** must be performed within 60 seconds, otherwise the HomeLink® indicator light will stop flashing and programming will not be successfully completed.

1 Vehicles with Digital Rear-view Mirror: Press the HomeLink® button or menu button

When the HomeLink® button is pressed:
Homelink® Training Tutorial will be displayed to assist you programming the HomeLink®.

When Homelink® Training Tutorial is displayed, follow the instructions displayed.

When the menu button is pressed:

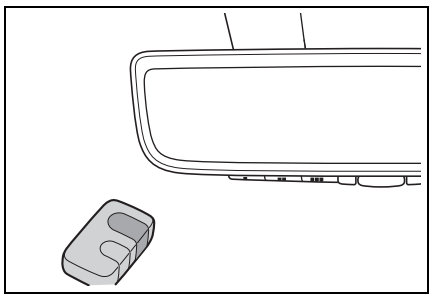
Press the menu button and select the “Set Up >”. Homelink® Training Tutorial will be displayed to assist you programming the HomeLink®.

When Homelink® Training Tutorial is displayed, follow the instructions displayed.

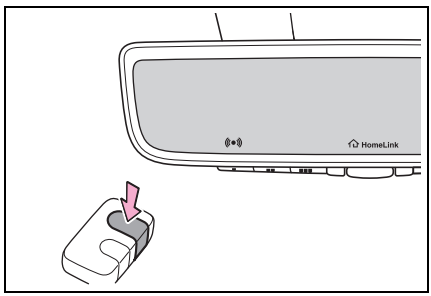
2 Press and release the HomeLink® button you want to program and check that the HomeLink® indicator light flashes (orange).

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

Keep the HomeLink® indicator light in view while programming.



4 Program a device.



▶ Programming a device other than an entry gate (for U.S.A. owners)

Press and hold the remote control transmitter button until the HomeLink® indicator light changes from slowly flashing orange to rapidly flashing green (rolling code) or continuously lit green (fixed code), then release

the button.

▶ Programming an entry gate (for U.S.A. owners)/Programming a device in the Canadian market

Press and release the remote control transmitter button at 2 second intervals, repeatedly, until the HomeLink® indicator light changes from slowly flashing orange to rapidly flashing (green) (rolling code) or continuously lit (green) (fixed code).

5 Test the HomeLink® operation by pressing the newly programmed button and observing the HomeLink® indicator light:

- HomeLink® indicator light illuminates: Programming of a fixed code device has completed. The garage door or other device should operate when a HomeLink® button is pressed and released.
- HomeLink® indicator light flashes rapidly: The garage door opener or other device is equipped with a rolling code. To complete programming, firmly press and hold the HomeLink® button for 2 seconds then release it.
- If the garage door or other device does not operate, proceed to “Programming a rolling code system”.

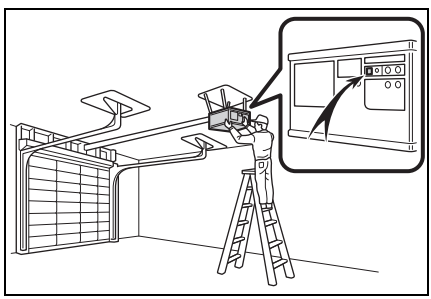
6 Repeat the steps above to program another device for any of the remaining HomeLink® buttons.

■ Programming a rolling code system

Two or more people may be needed to complete rolling code programming.

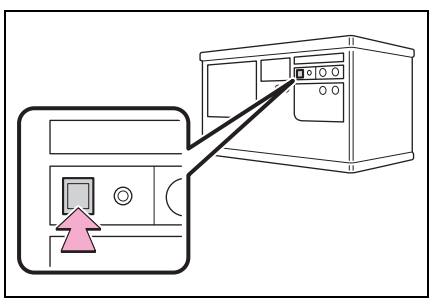
1 Locate the “Learn” or “Smart” button on the garage door opener motor in the garage.

This button can usually be found where the hanging antenna wire is attached to the unit. The name and color of the button may vary by manufacturer. Refer to the owner’s manual supplied with the garage door opener motor for details.

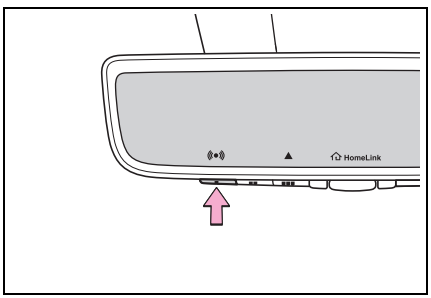


2 Press and release the “Learn” or “Smart” button.

Perform **3** within 30 seconds after performing **2**.



3 Press and hold the desired HomeLink® button (inside the vehicle) for 2 seconds and release it. Repeat this sequence (press/hold/release) up to 3 times to complete programming.
If the garage door opener motor operates when the HomeLink® button is pressed, the garage door opener motor recognizes the HomeLink® signal.



■ Enabling 2-way communication with a garage door (only available for compatible devices)

When enabled, 2-way communication allows you to check the status of the opening and closing of a garage door through indicators in your vehicle.

2-way communication is only available if the garage door opener motor used is a compatible device. (To check device compatibility, refer to www.homelink.com.)

1 Within 5 seconds after programming the garage door opener has been completed, if the garage door opener motor is trained to HomeLink®, both garage door operation indicators will flash rapidly (green) and the light on the garage door opener motor will blink twice, indicating that 2-way communication is enabled.

If the indicators do not flash, perform **2** and **3** within the first 10 presses of the HomeLink® button after programming has been completed.

2 Press a programmed HomeLink® button to operate a garage door.

3 Within 1 minute of pressing the HomeLink® button, after the garage door operation has stopped, press the “Learn” or “Smart” button on the garage door opener motor. Within 5 seconds of the establishment of 2-way communication with the garage door opener, both garage door operation indicators in the vehicle will flash rapidly (green) and the light on the garage door opener motor will blink twice, indicating that 2-way communication is enabled.

■ Reprogramming a single HomeLink® button

When the following procedure is performed, buttons which already have devices registered to them can be overwritten:

1 Press and hold the desired HomeLink® button.

2 When the HomeLink® indicator starts flashing orange, release the HomeLink® button and perform "Programming HomeLink®" 1 (it takes 20 seconds for the HomeLink® indicator to start flashing).

■ Before programming

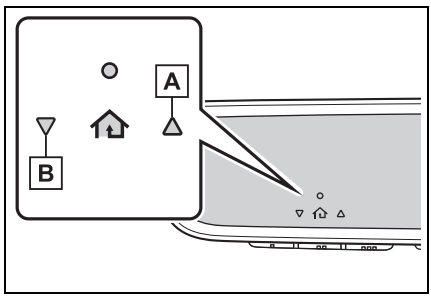
- Install a new battery in the transmitter.
- The battery side of the transmitter must be pointed away from the HomeLink® buttons.

Operating HomeLink®

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

The status of the opening and closing of a garage door is shown by the garage door operation indicators.

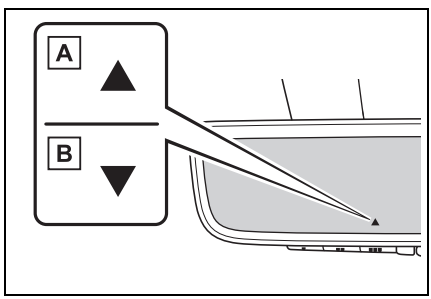
▶ Vehicles with auto anti-glare inside rear view mirror



A Opening

B Closing

▶ Vehicles with Digital Rear-view Mirror



A Opening

B Closing

This function is only available if the garage door opener motor used is a compatible device. (To check device compatibility, refer to www.homelink.com.)

Color	Status
Orange (flashing)	Currently opening/closing

Color	Status
Green	Opening/closing has completed
Red (flashing)	Feedback signals cannot be received

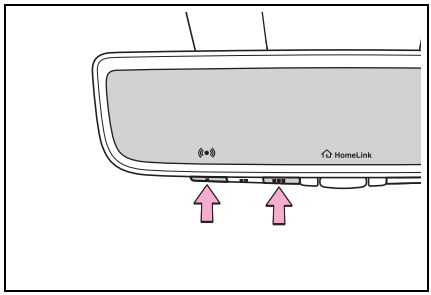
The indicators can operate within approximately 820 ft. (250 m) of the garage door. However, if there are obstructions between the garage door and the vehicle, such as houses and trees, feedback signals from the garage door may not be received.

To recall the previous door operation status, press and release either HomeLink® buttons and or and (vehicles with auto anti-glare inside rear view mirror), and or and (vehicles with Digital Rear-view Mirror) simultaneously. The last recorded status will be displayed for 3 seconds.

Erasing the entire HomeLink® memory (all three codes)

Press and hold the 2 outside buttons for 10 seconds until the HomeLink® indicator light changes from continuously lit (orange) to rapidly flashing (green).

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



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Cleaning and protecting the vehicle exterior

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

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.

■ Before car washes

Check that the fuel filler door and charging port lid on your vehicle are closed properly.

■ Automatic car washes

- Before washing the vehicle:
  - Fold the mirrors
  - Turn off the power back door (if equipped)

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.
- Rear spoiler may not be washable in some automatic car washes. There may also be an increased risk of damage to vehicle.

■ 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.

■ Note for a smart key system

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 6 ft. (2 m) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- Set the electronic key to battery-saving mode to disable the smart key system. (→P.218)

■ 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

Front side windows water-repellent coating (except quarter window)

- The following precautions can extend the effectiveness of the water-repellent coating.
- Remove any dirt, etc., from the front side windows regularly.
- Do not allow dirt and dust to accumulate on the windows for a long period. Clean the windows with a soft, damp cloth as soon as possible.
- Do not use wax or glass cleaners that contain abrasives when cleaning the windows.
- Do not use any metallic objects to remove condensation build up.

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.

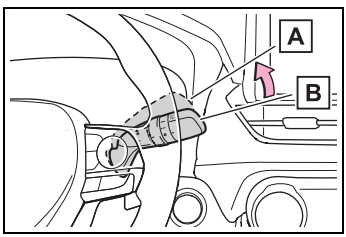
WARNING

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 pipes

Exhaust gasses cause the exhaust pipes to become quite hot.

When washing the vehicle, be careful not to touch the pipes until they have cooled sufficiently, as touching hot exhaust pipes can cause burns.

WARNING

■ Precaution regarding the rear bumper with Blind Spot Monitor

If the paint of the rear bumper is chipped or scratched, the system may malfunction. If this occurs, consult your Toyota dealer.

NOTICE

■ To prevent paint deterioration and corrosion on the body and components (aluminum wheels, etc.)

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If coal tar or tree sap is present on the paint surface
  - If dead insects, insect droppings or bird droppings are present on the paint surface
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
  - If the vehicle becomes heavily soiled with dust or mud
  - If liquids such as benzene and gasoline are spilled on the paint surface
- If the paint is chipped or scratched, have it repaired immediately.
- To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

■ Cleaning the exterior lights

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

■ When using an automatic car wash (vehicles with rain-sensing windshield wipers)

Set the wiper switch to 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 let water from the high-pressure washer directly hit the camera or the area around the camera. Due to the shock from the high pressure water, it is possible that the device may not operate normally.
- Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), or connectors or the following parts.
  The parts may be damaged if they come into contact with high-pressure water.
  - Traction battery
  - Traction related parts
  - Steering parts
  - Suspension parts
  - Brake parts

NOTICE

- Keep the cleaning nozzle at least 11.9 in. (30 cm) 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.
- Do not use the washer on the area around the charging port lid. Water could get into the AC charging inlet and could damage the vehicle.

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, on the rear seats, in the DC/DC Converter air intake vent, junction box or in the luggage compartment. (→P.91)
  Doing so may cause the DC/DC Converter, electrical components, etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P.35)
  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.427) 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 a polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and leading to an accident, resulting in death or serious injury.

NOTICE

■ Cleaning detergents

- Do not use the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:
  - Non-seat portions: Organic substances such as benzene or gasoline, alkaline or acidic solutions, dye, and bleach
  - Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol
- Do not use a 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.

NOTICE

■ 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.309)

■ Cleaning the inside of the rear window

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

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.

Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance are essential. It is the owner's responsibility to perform regular checks. Toyota recommends the following maintenance:

■ Repair and replacement

It is recommended that genuine Toyota parts be used for repairs to ensure performance of each system. If non-Toyota parts are used in replacement or if a repair shop other than a Toyota dealer performs repairs, confirm the warranty coverage.

■ Allow inspection and repairs to be performed by a Toyota dealer

- Toyota technicians are well-trained specialists and are kept up to date with the latest service information. They are well informed about the operations of all systems on your vehicle.
- Keep a copy of the repair order. It proves that the maintenance that has been performed is under warranty coverage. If any problem should arise while your vehicle is under warranty, your Toyota dealer will promptly take care of it.

⚠ 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

- Engine exhaust, some of its constituents, and a wide variety of automobile components contain or emit chemicals known to the State of California to cause cancer and birth defects and other reproductive harm. Work in a well ventilated area.
- Oils, fuels and fluids contained in vehicles as well as waste produced by component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Avoid exposure and wash any affected area immediately.
- 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.466)

General maintenance

General maintenance should be performed on a daily basis. This can be done by yourself or by a Toyota dealer.

Scheduled maintenance

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

For details about maintenance items and schedules, refer to the "Scheduled Maintenance Guide" or "Owner's Manual Supplement".

■ **Resetting the message indicating maintenance is required**

After the required maintenance is performed according to the maintenance schedule, please reset the reminder light or message.
To reset the reminder light or message, follow the procedure described below:

1 Press ◀ or ▶ of the meter control switches and select ⚙ on the multi-information display.

2 Press ▲ or ▼ of the meter control switches and select "Vehicle Settings". Then press and hold OK.

3 Press ▲ or ▼ of the meter control switches and select "Scheduled Maintenance". Then press OK.

4 Select "Yes" and press OK.

Do-it-yourself maintenance

You can perform some maintenance procedures by yourself. Please be aware that do-it-yourself maintenance may affect warranty coverage.

The use of Toyota Repair Manuals is recommended.

For details about warranty coverage, refer to the separate "Owner's Warranty Information Booklet" or "Owner's Manual Supplement".

General maintenance

Listed below are the general maintenance items that should be performed at the intervals specified in the "Owner's Warranty Information Booklet" or "Owner's Manual Supplement/Scheduled Maintenance Guide". It is recommended that any problem you notice should be brought to the attention of your Toyota dealer or qualified service shop for advice.

⚠ WARNING

■ **If the hybrid system is running**

Turn the hybrid system off and ensure that there is adequate ventilation before performing maintenance checks.

Engine compartment

Items	Check points
Brake fluid	Is the brake fluid at the correct level? (→P.464)
Engine/power control unit coolant	Is the engine/power control unit coolant at the correct level? (→P.462)
Engine oil	Is the engine oil at the correct level? (→P.460)

Items	Check points
Exhaust system	There should not be any fumes or strange sounds.
Radiator/condenser	The radiator and condenser should be free from foreign objects. (→P.463)
Washer fluid	Is there sufficient washer fluid? (→P.465)

Luggage compartment

Items	Check points
12-volt battery	Check the connections. (→P.466)

Vehicle interior

Items	Check points
Accelerator pedal	• The accelerator pedal should move smoothly (without uneven pedal effort or catching).
Hybrid transmission “Park” mechanism	• When parked on a slope and the shift position is in P, is the vehicle securely stopped?
Brake pedal	• Does the brake pedal move smoothly? • Does the brake pedal have appropriate clearance from the floor? • Does the brake pedal have the correct amount of free play?
Brakes	• The vehicle should not pull to one side when the brakes are applied. • The brakes should work effectively. • The brake pedal should not feel spongy. • The brake pedal should not get too close to the floor when the brakes are applied.
Head restraints	• Do the head restraints move smoothly and lock securely?
Indicators/buzzers	• Do the indicators and buzzers function properly?
Lights	• Do all the lights come on?

Items	Check points
Parking brake	• Does the parking brake operate normally? • When parked on a slope and the parking brake is on, is the vehicle securely stopped?
Seat belts	• Do the seat belts operate smoothly? • The seat belts should not be damaged.
Seats	• Do the seat controls operate properly?
Steering wheel	• Does the steering wheel rotate smoothly? • Does the steering wheel have the correct amount of free play? • There should not be any strange sounds coming from the steering wheel.

Vehicle exterior

Items	Check points
Doors	• Do the doors operate smoothly?
Engine hood	• Does the engine hood lock system work properly?
Fluid leaks	• There should not be any signs of fluid leakage after the vehicle has been parked.
Tires	• Is the tire inflation pressure correct? • The tires should not be damaged or excessively worn. • Have the tires been rotated according to the maintenance schedule? • The wheel nuts should not be loose.
Windshield wipers/rear window wiper	• The wiper blades should not show any signs of cracking, splitting, wear, contamination or deformation. • The wiper blades should clear the windshield/rear window without streaking or skipping.

Emission inspection and maintenance (I/M) programs

Some states have vehicle emission inspection programs which include OBD (On Board Diagnostics) checks. The OBD system monitors the operation of the emission control system.

If the malfunction indicator lamp comes on

The OBD system determines that a problem exists somewhere in the emission control system. Your vehicle may not pass the I/M test and may need to be repaired. Contact your Toyota dealer to service the vehicle.

Your vehicle may not pass the I/M test in the following situations:

- When the 12-volt battery is disconnected or discharged
  Readiness codes that are set during ordinary driving are erased.
  Also, depending on your driving habits, the readiness codes may not be completely set.
- When the fuel tank cap is loose
  The malfunction indicator lamp comes on indicating a temporary malfunction and your vehicle may not pass the I/M test.

When the malfunction indicator lamp still remains on after several driving trips

The error code in the OBD system will not be cleared unless the vehicle is driven 40 or more times.

If your vehicle does not pass the I/M test

Contact your Toyota dealer to prepare the vehicle for re-testing.

Do-it-yourself service precautions

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

Maintenance

Items	Parts and tools
12-volt battery condition (→P.466)	• Grease • Conventional wrench (for terminal clamp bolts)
Brake fluid level (→P.464)	• FMVSS No.116 DOT 3 or SAE J1703 brake fluid • FMVSS No.116 DOT 4 or SAE J1704 brake fluid • Rag or paper towel • Funnel (used only for adding brake fluid)
Engine/power control unit coolant level (→P.462)	• “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology For the U.S.A.: “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. For Canada: “Toyota Super Long Life Coolant” is pre-mixed with 55% coolant and 45% deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P.460)	• “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)
Fuses (→P.495)	• Fuse with same amperage rating as original

Items	Parts and tools
DC/DC Converter air intake vent (→P.486)	• Vacuum cleaner, etc, • Phillips screwdriver
Light bulbs (→P.497)	• Bulb with same number and wattage rating as original • Phillips-head screwdriver • Flathead screwdriver • Wrench
Radiator and condenser (→P.463)	—
Tire inflation pressure (→P.480)	• Tire pressure gauge • Compressed air source
Washer fluid (→P.465)	• 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 “IGNITION ON” on the multi-information display and the “READY” indicator are both off.
- Keep hands, clothing and tools away from the moving fan.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.

■ 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.463)

■ 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.

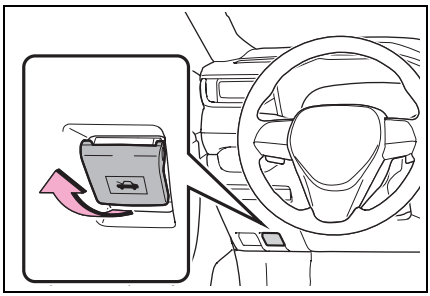
Hood

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

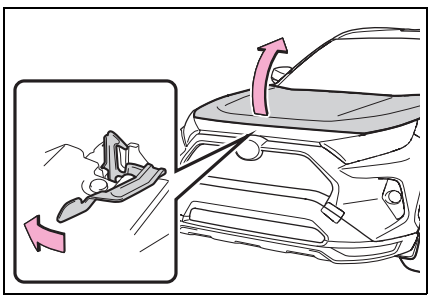
Opening the hood

1 Pull the hood lock release lever.

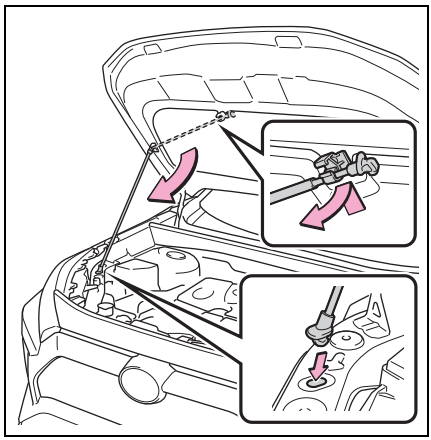
The hood will pop up slightly.



2 Push the auxiliary catch lever to the left and lift the hood.



3 Hold the hood open by inserting the supporting rod into the slot.



WARNING

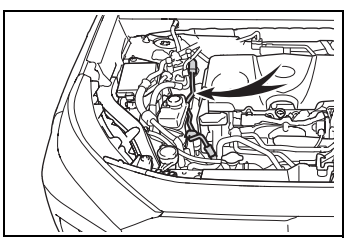
■ Pre-driving check

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.

■ To prevent burns

Do not touch the pipes when the compressor is operating or after it is stopped, because the pipes are hot.

Touching by hands before the pipes cool down may cause burns.



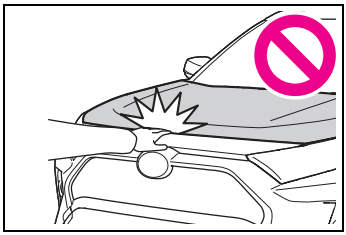
WARNING

■ After installing the support rod into the slot

Make sure the rod supports the hood securely from falling down on to your head or body.

■ When closing the hood

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



NOTICE

■ When closing the hood

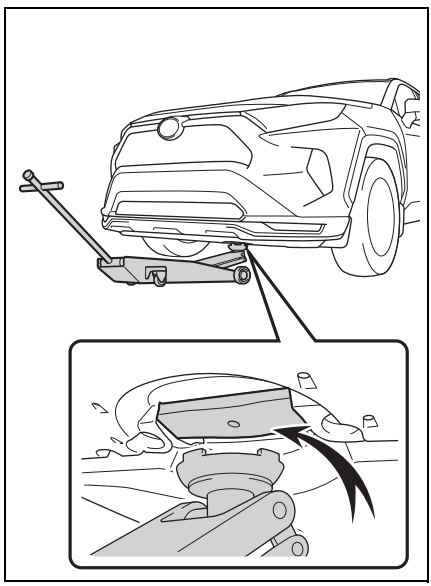
Be sure to return the support rod to its clip before closing the hood. Closing the hood without returning the support rod properly could cause the hood to bend.

Positioning a floor jack

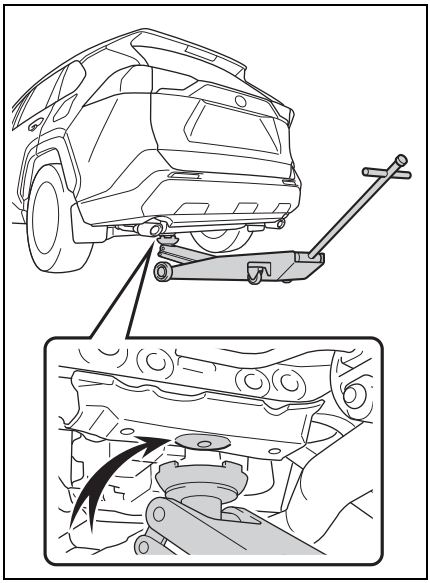
When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely.
When raising your vehicle with a floor jack, position the jack correctly.
Improper placement may damage your vehicle or cause injury.

Location of the jack point

■ Front

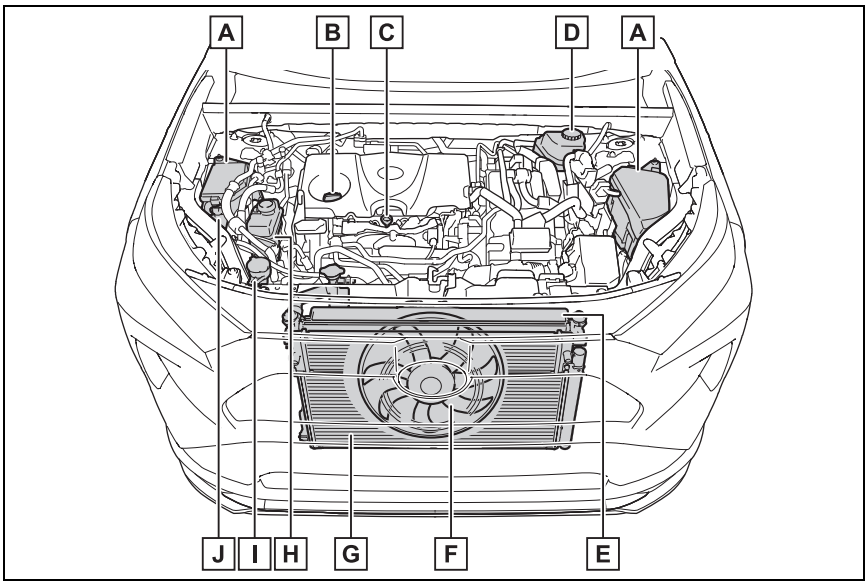


■ **Rear**



Engine compartment

Components



A Fuse boxes (→P.495)

B Engine oil filler cap (→P.461)

C Engine oil level dipstick (→P.460)

D Brake fluid reservoir (→P.464)

E Radiator (→P.463)

F Electric cooling fan

G Condenser (→P.463)

H Power control unit coolant reservoir (→P.463)

I Washer fluid tank (→P.465)

J Engine coolant reservoir (→P.462)

■ **12-volt battery**
→P.466

Checking and adding the engine oil

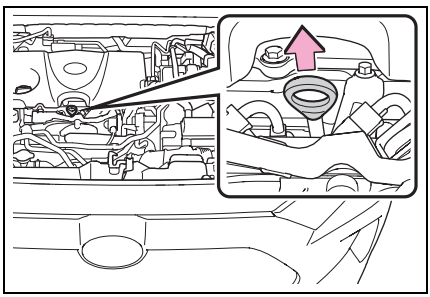
With the engine at operating temperature and turned off,

check the oil level on the dipstick.

■ Checking the engine oil

1 Park the vehicle on level ground. After warming up the engine and turning off the hybrid system, wait more than 5 minutes for the oil to drain back into the bottom of the engine.

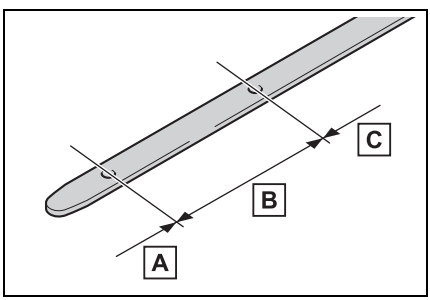
2 Holding a rag under the end, pull the dipstick out.



3 Wipe the dipstick clean.

4 Reinsert the dipstick fully.

5 Holding a rag under the end, pull the dipstick out and check the oil level.



A Low

B Normal

C Excessive

The shape of the dipstick may differ depending on the type of vehicle or engine.

6 Wipe the dipstick and reinsert it fully.

■ Checking the oil type and preparing the items needed

Make sure to check the oil type and prepare the items needed before adding oil.

- Engine oil selection

→P.552

- Oil quantity (Low → Full)

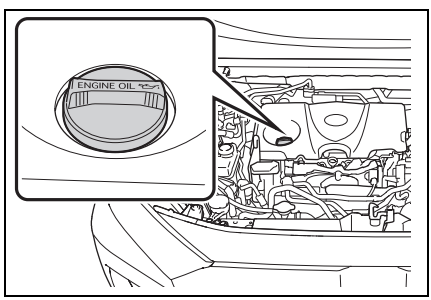
1.6 qt. (1.5 L, 1.3 Imp. qt.)

- 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.

3 Install the oil filler cap by turning it clockwise.

■ Engine oil consumption

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine
- If low quality oil or oil of an inappropriate viscosity is used
- When driving at high engine speeds or with a heavy load, 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

⚠ 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.
- Dispose of used oil and filters only in a safe and acceptable manner. Do not dispose of used oil and filters in household trash, in sewers or onto the ground. Call your Toyota dealer, service station or auto parts store for information concerning recycling or disposal.
- Do not leave used engine oil within the reach of children.

⚠ NOTICE

■ To prevent serious engine damage

Check the oil level on a regular basis.

■ When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

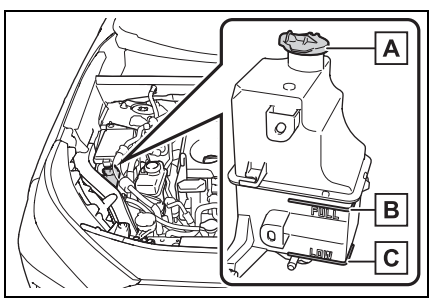
■ If oil is spilled on the engine cover

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

The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir when the hybrid system is cold.

■ Engine coolant reservoir



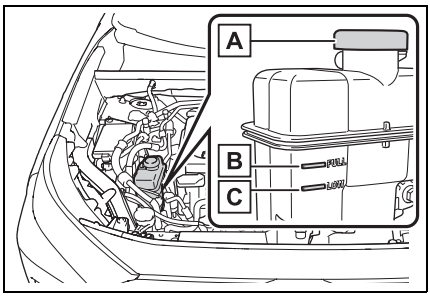
A Reservoir cap

B “FULL” line

C “LOW” line

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P.544)

■ Power control unit coolant reservoir



A Reservoir cap

B “FULL” line

C “LOW” line

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P.546)

■ Coolant selection

Only use “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.
U.S.A.:
“Toyota Super Long Life Coolant” is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -31°F [-35°C])
Canada:
“Toyota Super Long Life Coolant” is a mixture of 55% coolant and 45% deionized water. (Minimum temperature: -44°F [-42°C])
For more details about 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.

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.

■When the electric cooling fan is operating

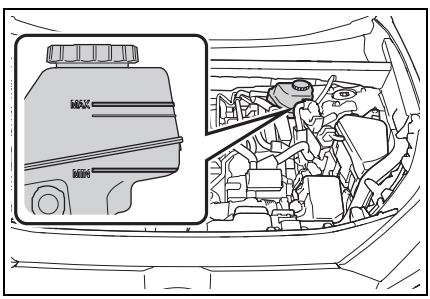
Do not touch the engine compartment.

With the power switch in ON mode, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. Be sure the power switch is OFF when working near the electric cooling fan or radiator grille.

Checking and adding the brake fluid

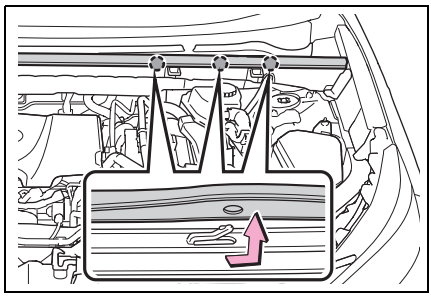
■ Checking fluid level

The brake fluid level should be between the “MAX” and “MIN” lines on the tank.

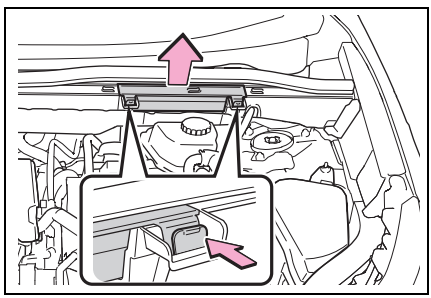


■ Adding fluid

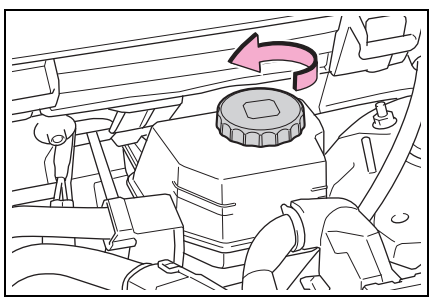
1 Slide and lift up the rubber strip to partly remove it as shown.



2 Disconnect the claws and remove the service cover.



3 Remove the reservoir cap.



4 Add brake fluid slowly while checking the fluid level.

Make sure to check the fluid type and prepare the necessary item.

Fluid type	FMVSS No.116 DOT 3 or SAE J1703 brake fluid FMVSS No.116 DOT 4 or SAE J1704 brake fluid
Item	Clean funnel

■ Brake fluid can absorb moisture from the air

Excess moisture in the brake fluid can cause a dangerous loss of braking efficiency. Use only newly opened brake fluid.

⚠ WARNING

■ When filling the reservoir

Take care as brake fluid can harm your hands and eyes and damage painted surfaces.

If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.

If you still experience discomfort, see a doctor.

NOTICE

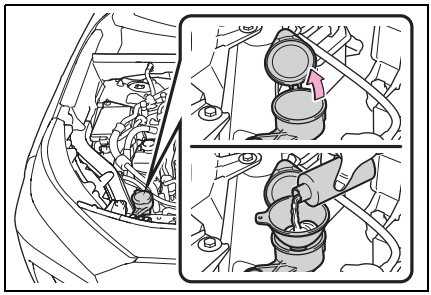
■ If the fluid level is low or high

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

If the reservoir needs frequent refilling, there may be a serious problem.

Adding the washer fluid

If any washer does not work or the warning message appears on the multi-information display, the washer tank may be empty. 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 hybrid system, 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.

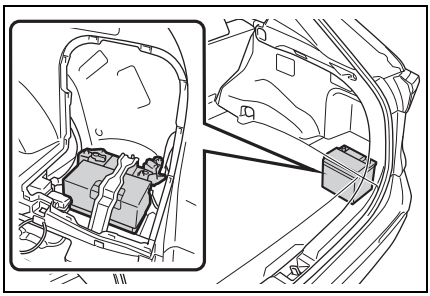
■ Diluting washer fluid

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 luggage compartment.



■ 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 power switch on the charger is off when connecting and disconnecting the charger cables to the 12-volt battery.

■ After recharging/reconnecting the 12-volt battery

- The hybrid system may not start. Follow the procedure below to initialize the system.

1 Shift the shift lever to P.
2 Open and close any of the doors.
3 Restart the hybrid system.

- Unlocking the doors using the smart key 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 switch before disconnect 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 hybrid system will not start even after multiple attempts at all methods above, contact your Toyota dealer.

⚠ 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.

WARNING

- 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.

■ 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 there is insufficient 12-volt battery fluid

Do not use if there is insufficient fluid in the 12-volt battery. There is a possible danger that the 12-volt battery may explode.

NOTICE

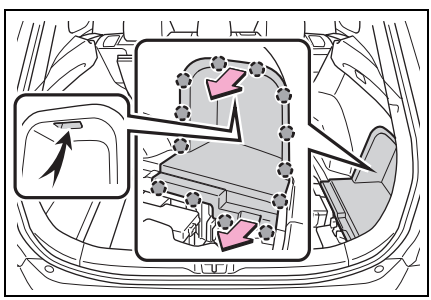
■ When recharging the 12-volt battery

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

1. Open the deck board (→P.417)
2. Disengage the 13 claws and pull the luggage side cover to remove it.

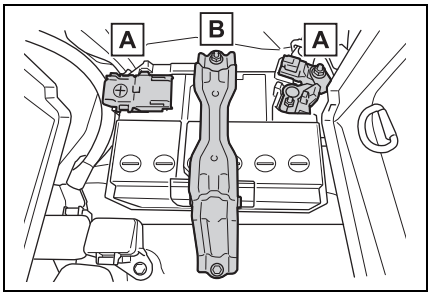
When installing the luggage side cover, make sure that the claws are installed securely.



Exterior

Make sure that the 12-volt battery terminals are not corroded and that there are no loose connections, cracks, or loose

clamps.

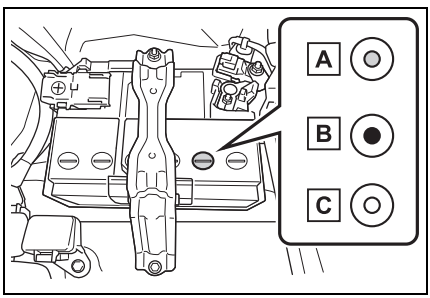


A Terminals

B Hold-down clamp

Checking the battery condition (if equipped)

Check the battery condition by indicator color.



A Blue: Good condition

B Red: Charging is necessary.

Have the vehicle inspected by your Toyota dealer.

C Clear: Not working properly.

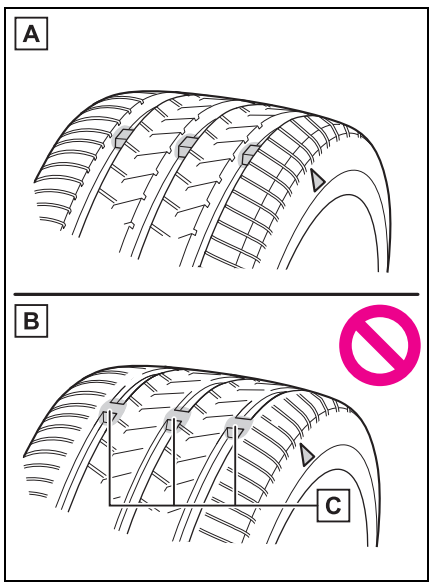
Add distilled water or replace the battery.
Have the vehicle inspected by your Toyota dealer.

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.

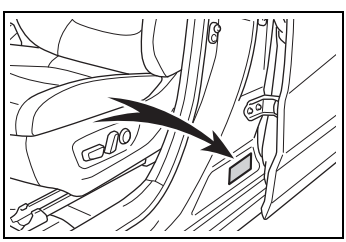
■Tire life

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.

■Maximum load of tire

Check that the number given by dividing the maximum load by 1.10 of the replacement tire is greater than 1/2 of the Gross Axle Weight Ratings (GAWR) of either the front axle or the rear axle, whichever is greater.

For the GAWR, see the Certification Regulation Label. For the maximum load of the tire, see the load limit at maximum cold tire inflation pressure mentioned on the sidewall of the tire. (→P.559)



■Tire types

- Summer tires

Summer tires are high-speed performance tires best suited to highway driving under dry conditions. Since summer tires do not have the same traction performance as snow tires, summer tires are inadequate for driving on snow-covered or icy roads. For driving on snow-covered roads or icy roads, the use of snow tires is recommended. When installing snow tires, be sure to replace all four tires.

- All season tires

All season tires are designed to provide better traction in snow and to be adequate for driving in most winter conditions as well as for use year-round. All season tires, however, do not have adequate traction performance compared with snow tires in heavy or loose snow. Also, all season tires fall short in acceleration and handling performance compared with summer tires in highway driving.

- Snow tires

For driving on snow-covered roads or icy roads, we recommend using snow tires. If you need snow tires, select tires of the same size, construction and load capacity as the originally installed tires. Since your vehicle has radial tires as original equipment, make sure your snow tires also have radial construction. Do not install studded tires without first checking local regulations for possible restrictions. Snow tires should be installed on all wheels. (→P.387)

■ If the tread on snow tires wears down below 0.16 in. (4 mm)

The effectiveness of the tires as snow tires is lost.

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

■ Driving on rough roads

Take particular care when driving on roads with loose surfaces or potholes.
These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

■ If tire inflation pressure of each tire becomes low while driving

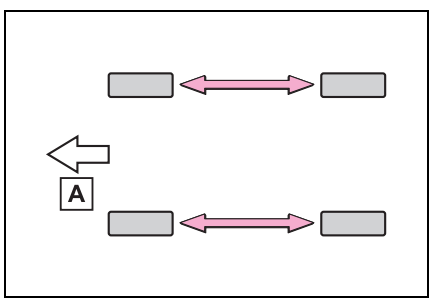
Do not continue driving, or your tires and/or wheels may be ruined.

Tire rotation

Rotate the tires in the order shown.

To equalize tire wear and extend tire life, Toyota recommends that tire rotation is carried out at the same interval as tire inspection.

Do not fail to initialize the tire pressure warning system after tire rotation.



A Front

■ When rotating the tires

Make sure that the power switch is

OFF. If the tires are rotated while the power switch is in ON, the tire position information will not be updated. If this accidentally occurs, either turn the power switch to OFF and then to ON, or initialize the system after checking that the tire pressure is properly adjusted.

Tire pressure warning system

Your vehicle is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise.

The tire pressure warning system of this vehicle adopts a 2-type warning system

- When “Adjust Pressure” is displayed (Normal Warning)

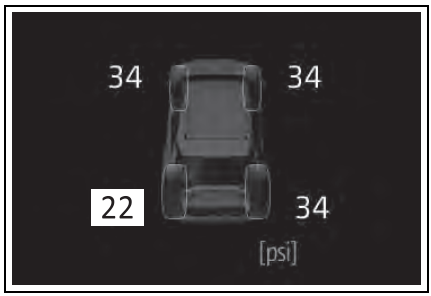
The tire pressure warning light comes on and a buzzer sounds when the tire inflation pressure becomes low due to natural air leakage or outside temperature. (Ways of coping: →P.518, 555)

- When “Immediately Check tire when Safe” is displayed (Emergency Warning)

The tire pressure warning light comes on and a buzzer sounds when the tire inflation pressure becomes low suddenly due to a blowout. (Ways of coping: →P.518, 527) However, the system may not be able to detect sudden tire ruptures (bursting, etc.).

The tire pressure detected by the tire pressure warning system can be displayed on the multi-information display.

The unit can be changed.

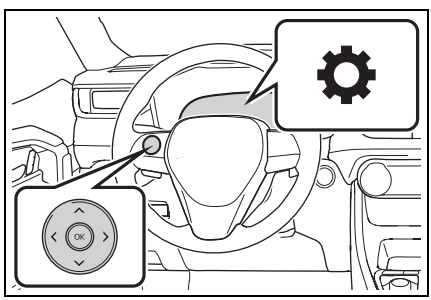


■ How to change the unit

1. Park the vehicle in a safe place and turn the power switch off.

Changing the unit cannot be performed while the vehicle is moving.

2. Turn the power switch to ON.
3. Press ❮ or ❯ of the meter control switches on the steering wheel and select ⚙.



4. Press ^ or v of the meter control switches and select “Vehicle Settings”, and then press and hold OK.
5. Press ^ or v of the meter control switches and select “TPWS”, and then press OK.

6 Press ∧ or ∨ to select "Setting Unit".

7 Press ∧ or ∨ to select the desired unit and then press OK.

■ Routine tire inflation pressure checks

The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

■ Tire inflation pressure

- It may take a few minutes to display the tire inflation pressure after the power switch is turned to ON. It may also take a few minutes to display the tire inflation pressure after inflation pressure has been adjusted.
- Tire inflation pressure changes with temperature.
  The displayed values may also be different from the values measured using a tire pressure gauge.

■ Situations in which the tire pressure warning system may not operate properly

- In the following cases, the tire pressure warning system may not operate properly.
  - If non-genuine Toyota wheels are used.
  - A tire has been replaced with a tire that is not an OE (Original Equipment) tire.
  - A tire has been replaced with a tire that is not of the specified size.
  - Tire chains, etc. are equipped.
  - An auxiliary-supported run-flat tire is equipped.
  - If a window tint that affects the radio wave signals is installed.
  - If there is a lot of snow or ice on the vehicle, particularly around the wheels or wheel housings.
  - If the tire inflation pressure is extremely higher than the specified level.
  - If wheel without tire pressure warning valves and transmitters are used.
  - If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- Performance may be affected in the following situations.
  - 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
    If tire position information is not correctly displayed due to the radio wave conditions, the display may be corrected by driving and changing the radio wave conditions.
- When the vehicle is parked, the time taken for the warning to start or go off could be extended.
- When tire inflation pressure declines rapidly for example when a tire has burst, the warning may not function.

■ Warning performance of the tire pressure warning system

The warning of the tire pressure warning system will change in accordance with the conditions under which it was initialized. For this reason, the system may give a warning even if the tire pressure does not reach a low enough level, or if the pressure is higher than the pressure that was adjusted to when the system was initialized.

■ **Certification for tire pressure warning system**

▶ For vehicles sold in the U.S.A. and Hawaii

FCC ID: PAXPMVE000

NOTE

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

FCC WARNING

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

▶ For vehicles sold in Canada

NOTE

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

NOTE

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Installing tire pressure warning valves and transmitters

When replacing tires or wheels, tire pressure warning valves and transmitters must also be installed.

When new tire pressure warning valves and transmitters are installed, new ID codes must be registered in the tire pressure warning computer and the tire pressure warning system must

be initialized. (→P.476)

■ **When replacing the tires and wheels**

If the ID code of the tire pressure warning valve and transmitter is not registered, the tire pressure warning system will not work properly. After driving for about 20 minutes, the tire pressure warning light blinks for 1 minute and stays on to indicate a system malfunction.

⚠ NOTICE

■ **Repairing or replacing tires, wheels, tire pressure warning valves, transmitters and tire valve caps**

- When removing or fitting the wheels, tires or the tire pressure warning valves and transmitters, contact your Toyota dealer as the tire pressure warning valves and transmitters may be damaged if not handled correctly.
- Make sure to install the tire valve caps. If the tire valve caps are not installed, water could enter the tire pressure warning valves and the tire pressure warning valves could be bound.
- When replacing tire valve caps, do not use tire valve caps other than those specified. The cap may become stuck.

Initializing the tire pressure warning system

■ **The tire pressure warning system must be initialized in the following circumstances:**

- When rotating the tires.
- When changing the tire.
- After registering the ID codes. (→P.476)
- When changing between two registered wheel sets.

When the tire pressure warning system is initialized, the current tire inflation pressure is set as the benchmark pressure.

■ **How to initialize the tire pressure warning system**

1 Park the vehicle in a safe place and stop the hybrid system for 20 minutes or more.

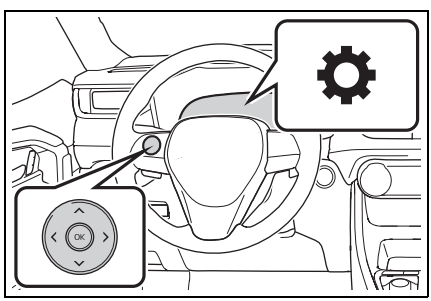
Initialization cannot be performed while the vehicle is moving.

2 Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P.555)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

3 Start the hybrid system.

4 Press ❮ or ❯ of the meter control switches on the steering wheel and select ⚙.



5 Press ∧ or ∨ of the meter control switches, select “Vehicle Settings” and then press and hold OK.

6 Press ∧ or ∨ of the meter control switches, select “TPWS” and then press OK.

7 Press ∧ or ∨ of the meter control switches, select the “Setting Pressure”. Then press and hold OK.

“Set Pressure Accepted” will be displayed on the multi-information display and the tire pressure warning light will blink 3 times.
When the message disappears, initialization is complete.

A message is displayed on the multi-information display. Also, “--” is displayed for inflation pressure of each tire on the multi-information display while the tire pressure warning system determines the position.

8 Drive straight (with occasional left and right turns) at approximately 25mph (40 km/h) or more for approximately 10 to 30 minutes.

When initialization is complete, the inflation pressure of each tire will be displayed on the multi-information display.

Even if the vehicle is not driven at approximately 25 mph (40 km/h) or more, initialization can be completed by driving for a long time. However, if initialization does not complete after driving for 1 hour or more, park the vehicle in a safe place for approximately 20 minutes and then drive the vehicle again.

■ **When initializing**

- Initialization is performed while driving at a vehicle speed of approximately 25 mph (40 km/h) or more.
- Make sure to carry out initialization after adjusting the tire inflation pressure. Also, make sure the tires are cold before carrying out initialization or tire inflation pressure adjustment.
- The tire pressure warning system can be initialized by yourself, but depending on the driving conditions and driving environment, initialization may take some time to complete.

■ **The initialization operation**

- If you have accidentally turned the power switch to OFF during initialization, it is not necessary to restart the initialization again as initialization will restart automatically when the power switch has been turned to ON for the next time.
- If you accidentally perform initialization when initialization is not necessary, adjust the tire inflation pressure to the specified level when the tires are cold, and conduct initialization again.
- While the position of each tire is being determined and the inflation pressures are not being displayed on the multi-information display, if the inflation pressure of a tire drops, the tire pressure warning light will come on.

■ **If the tire pressure warning system is not initialized properly**

- In the following situations, initialization may take longer than usual to be completed or may not be possible. Normally, initialization completes within approximately 30 minutes.

• Vehicle is not driven at approximately 25 mph (40 km/h) or more

- Vehicle is driven on unpaved roads
- Vehicle is driven near other vehicles and system cannot recognize tire pressure warning valve and transmitters of your vehicle over those of other vehicles.
- If the vehicle is driven in heavy traffic or another situation where other vehicles are driven close by, it may take time for the system to recognize the tire pressure warning valve and transmitters of your vehicle over those of other vehicles.

● If initialization does not complete after driving for 1 hour or more, park the vehicle in a safe place for approximately 20 minutes and then drive the vehicle again.

● If the vehicle is reversed during initialization, the data up to that point is reset, so perform the initialization procedure again from the beginning.

● In the following situations, initialization will not be started or was not completed properly and the system will not operate properly. Perform the initialization procedure again.

- If, when attempting to start initialization, the tire pressure warning light does not blink 3 times.
- If, when the vehicle has been driven for about 20 minutes after performing initialization, the tire pressure warning light blinks for approximately 1 minute and then illuminates.

If initialization cannot be completed after performing the above procedure, contact your Toyota dealer.

WARNING

■When initializing the tire pressure warning system

Do not initialize tire inflation pressure without first adjusting the tire inflation pressure to the specified level. Otherwise, the tire pressure warning light may not come on even if the tire inflation pressure is low, or it may come on when the tire inflation pressure is actually normal.

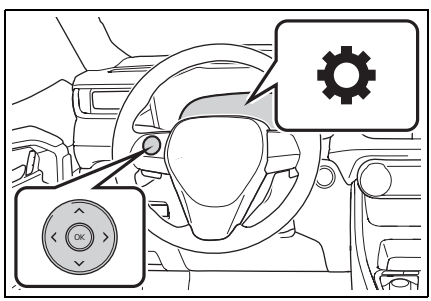
Registering ID codes

Every tire pressure warning valve and transmitter has a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID code.

When registering the ID codes, perform the following procedure.

1 Park the vehicle in a safe place, wait for approximately 20 minutes, and then start the hybrid system.

2 Press ◁ or ▷ of the meter control switches on the steering wheel and select ⚙.



3 Press △ or ▽ of the meter control switches and select

"Vehicle Settings", and then press and hold OK.

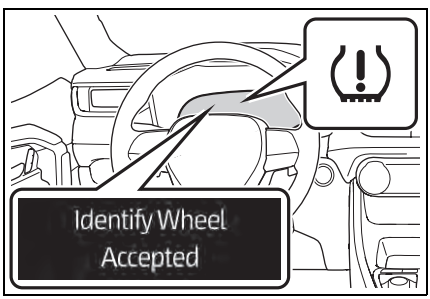
4 Press ∧ or ∨ of the meter control switches and select "TPWS", and then press OK.

5 Press ∧ or ∨ of the meter control switches and select "Identify Wheel". Then press and hold OK until the tire pressure warning light starts slowly blinking 3 times.

The change wheel set mode is activated and registration is started.

Then a message will be displayed on the multi-information display.

When registration is being performed, the tire pressure warning light will blink for approximately 1 minute then illuminate and "--" will be displayed for the inflation pressure of each tire on the multi-information display.



6 Drive straight (with occasional left and right turns) at approximately 25mph (40 km/h) or more for approximately 10 to 30 minutes.

When registration is completed, the tire pressure warning light will go off and the inflation pressure of each tire will be displayed on the multi-information display.

Even if the vehicle is not driven at approximately 25 mph (40 km/h) or more, registration can be completed by driving for a long time. However, if registration does not complete after driving for 1 hour or more, perform the procedure again from the beginning.

7 Initialize the tire pressure warning system. (→P.474)

■ When registering ID codes

- ID code registration is performed while driving at a vehicle speed of approximately 25 mph (40 km/h) or more.
- Before performing ID code registration, make sure that no wheels with tire pressure warning valve and transmitters installed are near the vehicle.
- Make sure to initialize the tire pressure warning system after registering the ID codes. If the system is initialized before registering the ID codes, the initialized values will be invalid.
- ID codes can be registered by yourself, but depending on the driving conditions and driving environment, registration may take some time to complete.
- As the tires will be warm when registration is completed, make sure to allow the tires to cool before performing initialization.

■ Canceling ID code registration

- To cancel ID code registration after it has been started, select "Identify Wheel" on the multi-information display and press and hold OK again.
- If ID code registration has been canceled, the tire pressure warning light will blink for approximately 1 minute when the power switch is turned to ON and then illuminate. The tire pressure warn-

ing system will be operational when the tire pressure warning light turns off.

- If the warning light does not turn off even after several minutes have elapsed, ID code registration may not have been canceled correctly. To cancel registration, perform the ID code registration start procedure again and then turn the power switch off before driving.

■ **If ID codes are not registered properly**

- In the following situations, ID code registration may take longer than usual to be completed or may not be possible. Normally, registration completes within approximately 30 minutes.
  If ID code registration is not complete after driving for approximately 30 minutes, continue driving for a while.
  - Vehicle is not parked for approximately 20 minutes or more before driving
  - Vehicle is not driven at approximately 25 mph (40 km/h) or more
  - Vehicle is driven on unpaved roads
  - Vehicle is driven near other vehicles and system cannot recognize tire pressure warning valve and transmitters of your vehicle over those of other vehicles
  - Wheel with tire pressure warning valve and transmitter installed is inside or near the vehicle

If registration does not complete after driving for 1 hour or more, perform the ID code registration procedure again from the beginning.

- If the vehicle is reversed during registration, the data up to that point is reset, so perform the registration procedure again from the beginning.
- In the following situations, ID code registration will not be started or was not completed properly and the system will not operate properly. Perform the ID code registration procedure again.
  - If, when attempting to start ID code registration, the tire pressure warning light does not blink slowly 3 times.
  - If, when the vehicle has been driven for about 20 minutes after performing ID code registration, the tire pressure warning light blinks for approximately 1 minute and then illuminates.
- If ID code registration cannot be completed after performing the above procedure, contact your Toyota dealer.

Selecting wheel set

Your vehicle is equipped with tire pressure warning system with the function to have ID codes registered for a second wheel set, for example a winter set. You can register a second wheel set by yourself or your Toyota dealer.

After registration of a second wheel set, either of these two wheel sets can be selected for usage with the tire pressure warning system.

■ **Operating conditions for the function**

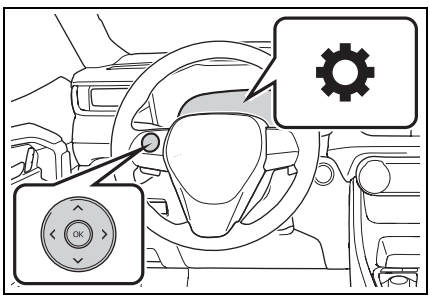
- This function will perform the change of wheel set only if a second wheel set has been registered. If no second wheel set has been registered, no change will be made when selecting this function in the menu.
- Only a change between both

registered wheel set is possible, mixing between these wheel sets is not supported.

■ **How to change between wheel sets**

1 Have the vehicle fitted with the preferred wheel set.

2 Press ◁ or ▷ of the meter control switches on the steering wheel and select ⚙.

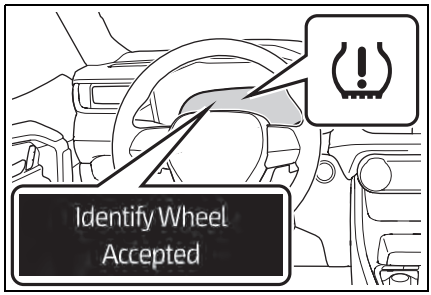


3 Press △ or ▽ of the meter control switches and select “Vehicle Settings”, and then press and hold OK.

4 Press △ or ▽ of the meter control switches and select “TPWS”, and then press OK.

5 Press △ or ▽ of the meter control switches and select “Identify Wheel”. Then press and hold OK until the tire pressure warning light starts slowly blinking 3 times.

Afterward, the tire pressure warning light turns on after flashing for 1 minute.



After 2 minutes, registration of a second wheel set is being performed. The tire pressure warning light will turn off and “--” will be displayed for the inflation pressure of each tire on the multi-information display.

6 Initialize the tire pressure warning system. (→P.474)

If the tire inflation pressure settings for the installed tires change, initialization operations are required, but if the tire inflation pressure settings are the same, initialization is not required.

7 Drive straight (with occasional left and right turns) at approximately 25 mph (40 km/h) or more for approximately 10 to 30 minutes.

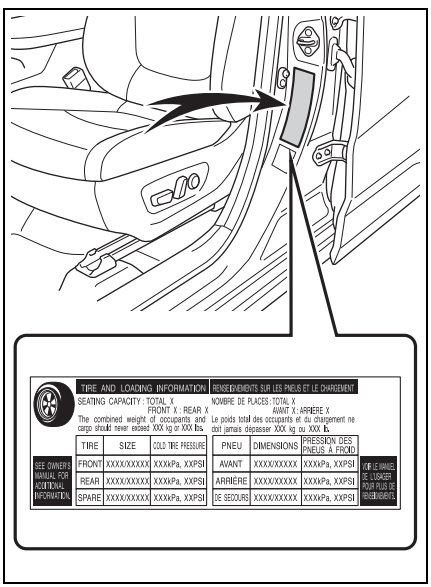
Registration of a second wheel set is complete when the tire pressure warning light turns off and the inflation pressure of each tire is displayed on the multi-information display.

Tire inflation pressure

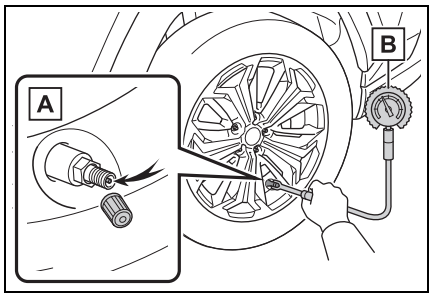
Make sure to maintain the proper tire inflation pressure. Tire inflation pressure should be checked at least once per month. However, Toyota recommends that tire inflation pressure be checked once every two weeks. (→P.555)

Checking the specified tire inflation pressure

The recommended cold tire inflation pressure and tire size are displayed on the tire and loading information label. (→P.555)



Inspection and adjustment procedure



A Tire valve

B Tire pressure gauge

1. Remove the tire valve cap.
2. Press the tip of the tire pressure gauge onto the tire valve.
3. Read the pressure using the gauge gradations.
4. If the tire inflation pressure is not at the recommended level, adjust the pressure. If you add too much air, press the center of the valve to deflate.
5. After completing the tire inflation pressure measurement and adjustment, apply soapy water to the valve and check for leakage.
6. Put the tire valve cap back on.

■ Tire inflation pressure check interval

You should check tire inflation pressure every two weeks, or at least once a month.

Do not forget to check the spare.

■ **Effects of incorrect tire inflation pressure**

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel 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 mile or 1.5 km, 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.
- Never exceed the vehicle capacity weight. 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 in 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

■ When replacing wheels

The wheels of your vehicle are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advance warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, tire pressure warning valves and transmitters must be installed. (→P.471, 483)

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

- Be sure to install the wheel nuts with the tapered ends facing inward. (→P.531) Installing the nuts with the tapered ends facing outward can cause the wheel to break and eventually cause the wheel to come off while driving, which could lead to an accident resulting in death or serious injury.
- Never use oil or grease on the wheel bolts or wheel nuts. Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

■ Use of defective wheels prohibited

Do not use cracked or deformed wheels.

Doing so could cause the tire to leak air during driving, possibly causing an accident.

NOTICE

■ **Replacing tire pressure warning valves and transmitters**

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by your Toyota dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at your Toyota dealer.
- Ensure that only genuine Toyota wheels are used on your vehicle.
  Tire pressure warning valves and transmitters may not work properly with non-genuine wheels.

Aluminum wheel precautions

- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1000 miles (1600 km).
- 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.

Removal method

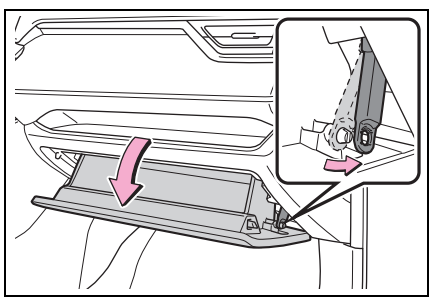
1 Turn the power switch off.

Confirm that the charging connector is not connected. Also, do not use the Remote Air Conditioning System during the procedure.

2 Open the front passenger's door.

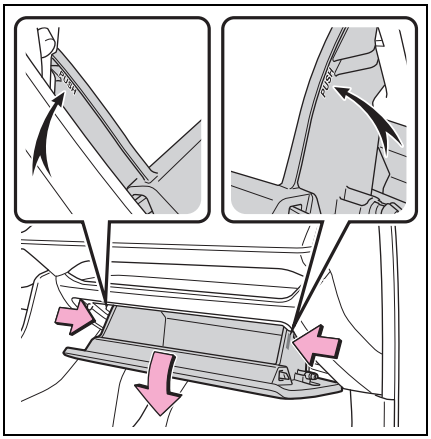
By keeping the door open, unexpected operation of the Remote Air Conditioning System can be prevent. (→P.405)

3 Open the glove box and slide off the damper.



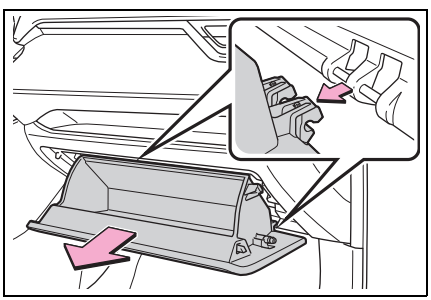
4 Push in each side of the glove box to disconnect the claws, and then slowly and

fully open the glove box while supporting it.

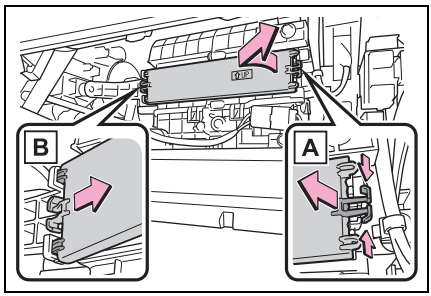


5 With the glove box fully open, slightly lift up the glove box and pull toward the seat to detach the bottom of the glove box.

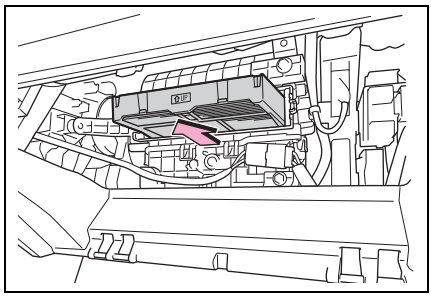
Do not use excessive force if the glove box does not detach when lightly pulled. Instead, pull toward the seat while slightly adjusting the height of the glove box.



6 Unlock the filter cover (A), pull the filter cover out of the claws (B), and remove the filter cover.

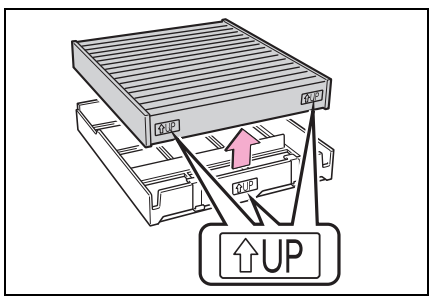


7 Remove the filter case.



8 Remove the air conditioning filter from the filter case and replace it with a new one.

The " ⇧ UP" marks shown on the filter should be pointing up.



9 When installing, reverse the steps listed.

■ **Checking interval**

Inspect and replace the air condi-

tioning 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 “Owner’s Manual Supplement” or “Scheduled Maintenance”.)

■ If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.

⚠ WARNING

■ When replacing the air conditioning filter

Observe the following precautions. Failure to do so may result in the air conditioning system operating during the procedure, possibly resulting in injury.

- Check that the charging connector is not connected

The air conditioning may operate due to the “Climate Prep” (→P.131) setting.

- Do not use the Remote Air Conditioning System

⚠ NOTICE

■ When using the air conditioning system

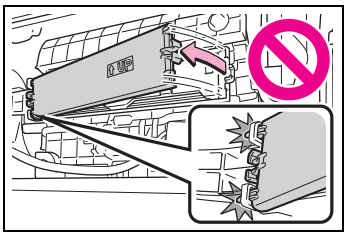
Make sure that a filter is always installed. Using the air conditioning system without a filter may cause damage to the system.

■ When removing the glove box

Always follow the specified procedure to remove the glove box (→P.483). If the glove box is removed without following the specified procedure, the hinge of the glove box may become damaged.

■ 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.



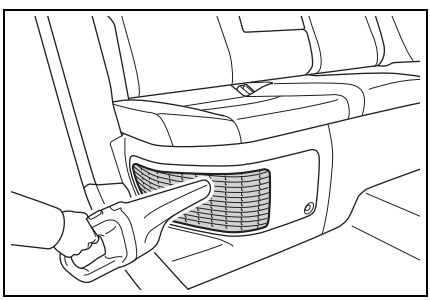
Cleaning the DC/DC Converter air intake vent and filter

To prevent the 12-volt battery from discharge, visually inspect the DC/DC Converter air intake vent periodically for dust and clogs. If it is dusty or clogged or if "Maintenance required for DCDC converter cooling parts See Owner's Manual" is shown on the multi-information display, clean the air intake vent using the following procedures:

Cleaning the air intake vent

Remove the dust from the air intake vent with a vacuum cleaner, etc.

Make sure to only use a vacuum to suck out dust and clogs. Attempting to blow out dust and clogs using an airgun, etc. may push it into the air intake vent. (→P.488)

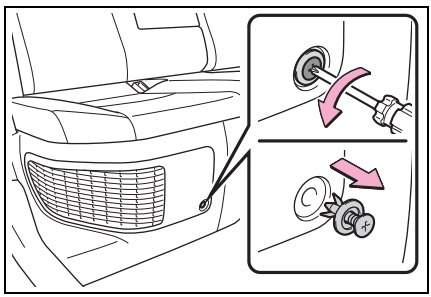


If dust and clogs cannot be completely removed

If dust and clogs cannot be completely removed with the air intake vent cover installed, remove the cover and clean the filter.

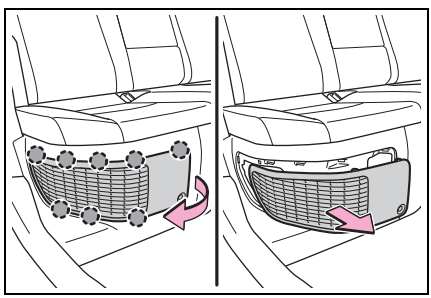
1 Turn the power switch off.

2 Using a Phillips screwdriver, remove the clip.



3 Remove the air intake vent cover.

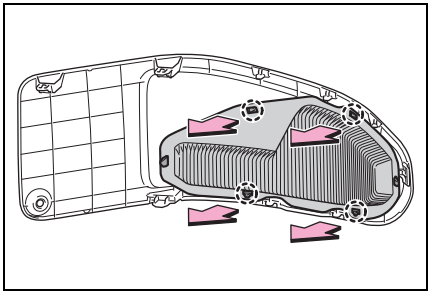
Pull the cover as shown in the illustration to disengage the 8 claws, starting from the claw in the upper right corner and pull the cover toward the front of the vehicle to remove it.



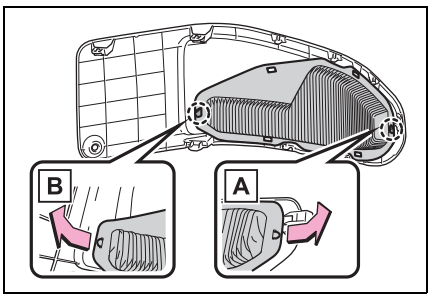
4 Remove the air intake vent filter.

Disengage the 4 center claws from

the filter.

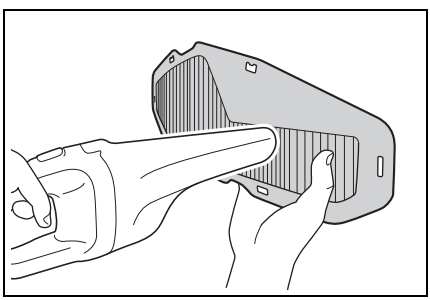


Disengage the claws in the order of A and B to remove the filter from the cover.



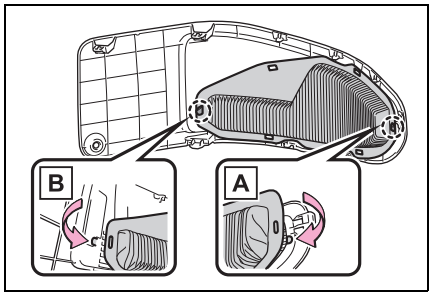
5 Remove the dust and clogs from the filter using a vacuum cleaner, etc.

Make sure to also remove the dust and clogs from the inside of the air intake vent cover.



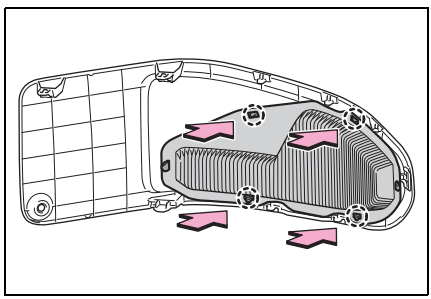
6 Reinstall the filter to the cover.

Engage the claws in the order of B and A.



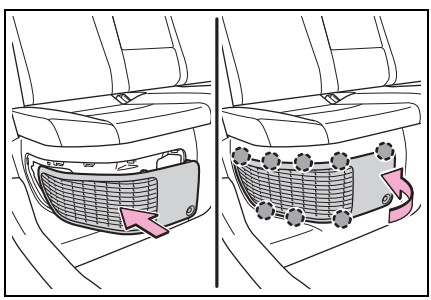
Engage the 4 center claws to install the filter.

Make sure that the filter is not crooked or deformed when installing it.

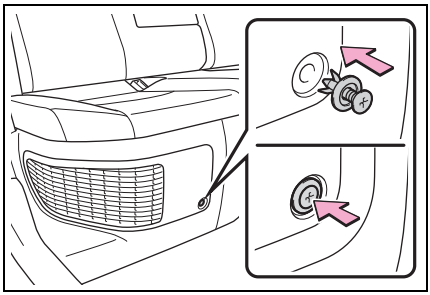


7 Install the air intake vent cover.

Insert the tab of the cover as shown in the illustration and push the cover to engage the 8 claws.



8 Install the clip.



■ Cleaning the air intake vent

- Dust in the air intake vent may interfere with the cooling of the DC/DC converter. If the cooling performance/capacity of the DC/DC converter becomes limited, the 12-volt battery may discharge. Inspect and clean the air intake vent periodically.
- 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.

■ If “Maintenance required for DCDC converter cooling parts See Owner’s Manual” is shown on the multi-information display

- If this warning message is shown on the multi-information display, remove the air intake vent cover and clean the filter. (→P.486)
- After cleaning the air intake vent, start the hybrid system and check that the warning message is no longer shown.
  It may take approximately 20 minutes after the hybrid system is started until the warning message disappears. If the warning message does not disappear, have the vehicle inspected by your Toyota dealer.

WARNING

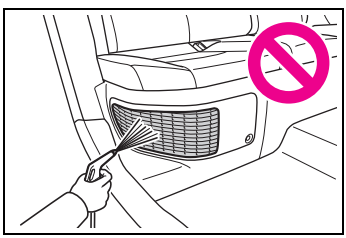
■ When cleaning the air intake vent

- Do not use water or other liquids to clean the air intake vent. If water is applied to the DC/DC converter 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.

NOTICE

■ When cleaning the air intake vent

When cleaning the air intake vent, make sure to only use a vacuum to suck out dust and clogs. If a compressed air blow gun, etc. is used to blow out dust and clogs, the dust or clogs may be pushed into the air intake vent, which may affect the performance of the DC/DC converter and cause a malfunction.



NOTICE

■ **To prevent damage to the vehicle**

- Do not allow water or foreign matter to enter the air intake vent when the cover is removed.
- Carefully handle the removed filter so that it will not be damaged. If the filter is damaged, have it replaced with a new filter by your Toyota dealer.
- 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.

■ **If "Maintenance required for DCDC converter cooling parts See Owner's Manual" is shown on the multi-information display**

If the vehicle is continuously driven with the warning message (indicating that the cooling performance/capacity of the DC/DC converter may become limited) displayed, the DC/DC converter may malfunction. If the warning message is displayed, clean the air intake vent immediately.

Wiper insert replacement

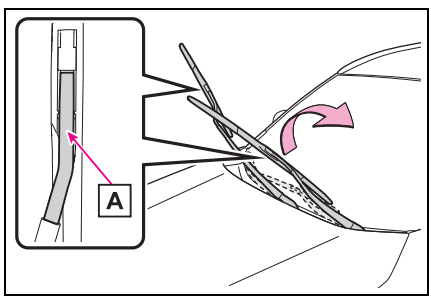
When replacing the wiper insert, perform the following procedure to operate each wiper.

Windshield wipers

■ **Windshield wiper blade removal and installation**

1 While holding the hook portion A of the wiper arm, first lift up the driver side, and then lift up the passenger side.

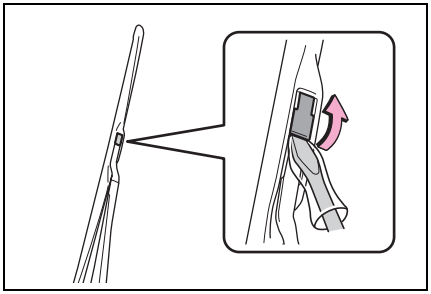
When returning the wiper arms to their original positions, first lower the passenger side, and then lower the driver side.



2 Lift the stopper using a flat-head screwdriver as shown in the illustration.

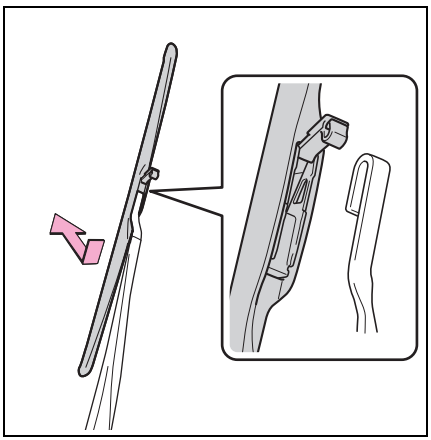
To prevent damage to the wiper arm, protect the tip of the screw-

driver with a rag.



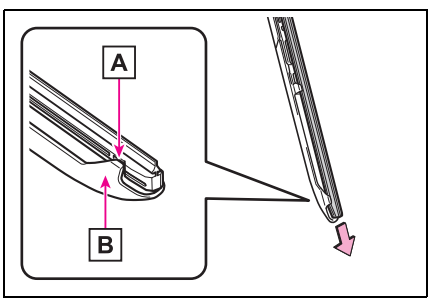
3 Slide the wiper blade to remove it from the wiper arm.

When installing, reverse the steps listed.



■ Wiper insert replacement

1 Pull the wiper insert to remove the claw of the wiper blade from the stopper, and pull out the wiper insert.

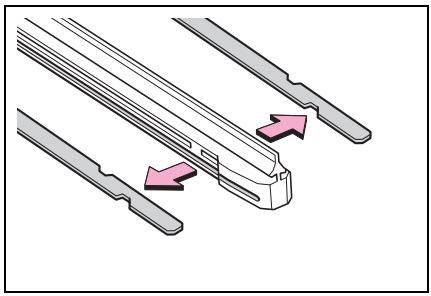


A Stopper

B Claw

2 Remove the 2 metal plates from the wiper insert pulled out, and install the plates to a new wiper insert.

Make sure that the cutout location and warp direction of the metal blades are same as the original.

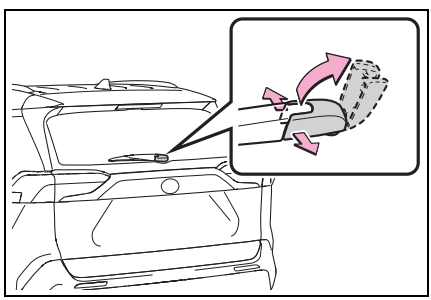


3 Install the wiper insert to the wiper blade from the side without the stopper.

4 Secure the stopper of the wiper insert with the claw of the wiper blade.

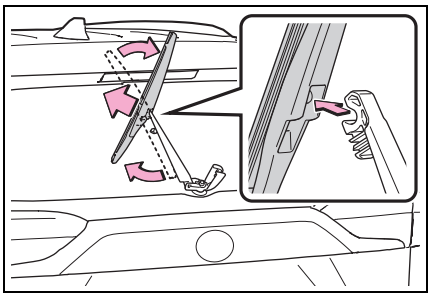
Rear window wiper

1 Lift up the rear window wiper arm head cap.



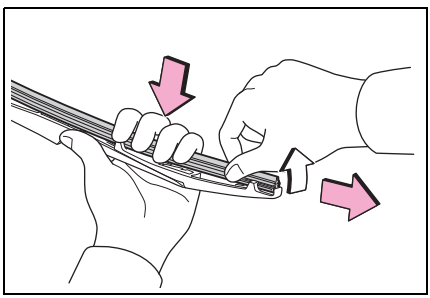
2 Move the wiper blade until a click sound can be heard and

the claw detaches, and then remove the wiper blade from the wiper arm.

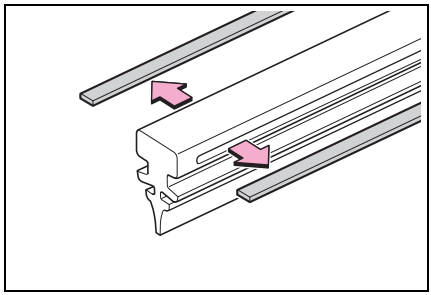


3 Pull the wiper insert out past the stopper on the wiper blade, and then continue to pull until it is completely removed.

Lightly grasp between the claws of the wiper blade to allow the wiper insert to lift up, making it easier to remove.

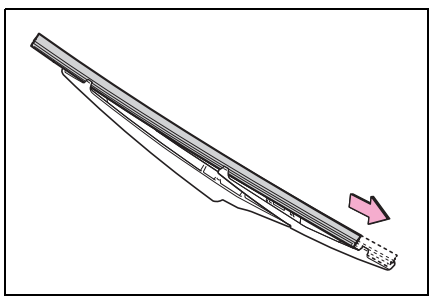


4 Remove the 2 metal plates from the old wiper insert and install them to the replacement wiper insert.



5 Insert the wiper insert starting from the claw at the center of the wiper blade. Pass the wiper insert through the 3 claws so that it sticks out from the stopper, and then pass the wiper insert through the final remaining claw.

Applying a small amount of washer fluid to the wiper insert can make it easier to insert the claws into the grooves.

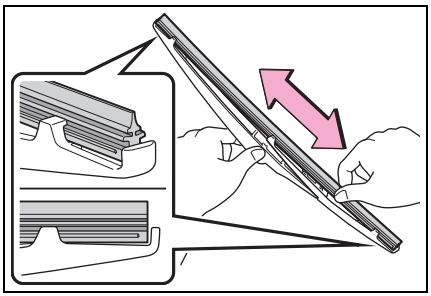


6 Check that the wiper blade claws are fitted in the grooves of the wiper insert.

If the wiper blade claws are not fitted in the grooves of the wiper insert, grasp the wiper insert and slide it back and forth multiple times to insert the claws into the grooves.

Lightly lift up the center of the wiper insert to make the rubber easier to

slide.



7 When installing a wiper blade, reverse the procedure in step 1.

After installing the wiper blade, check that the connection is locked.

■ Wiper blade and wiper insert handling

Improper handling may result in damage to the wiper blades or wiper insert. If you have any concerns about replacing the wiper blades or wiper insert yourself, contact your Toyota dealer.

⚠ NOTICE

■ When lifting the windshield wipers

- When raising the wiper arms off the windshield, lift up the driver side first, and then lift up passenger side. When returning the wipers to their original position, return the passenger side first.
- 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.

■ To prevent damage

- Be careful not to damage the claws when replacing the wiper insert.
- After the wiper blade is removed from the wiper arm, place a cloth, etc., between the rear window and wiper arm to prevent damage to the rear window.
- Be sure not to pull excessively on the wiper insert or deform its metal plates.

Electronic key battery

Replace the battery with a new one if it is depleted.

■ If the key battery is depleted

The following symptoms may occur:

- The smart key system and wireless remote control will not function properly.
- The operational range will be reduced.

Items to prepare

Prepare the following before replacing the battery:

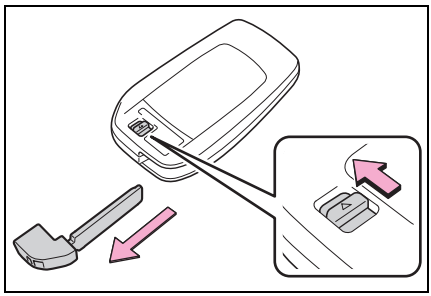
- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery CR2450

■ 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 the local laws.

Replacing the battery

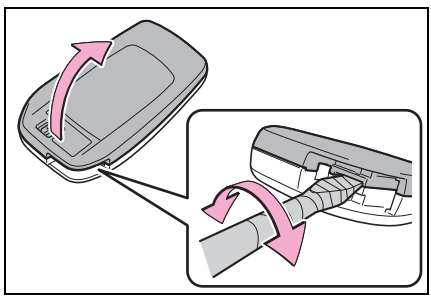
1 Release the lock and remove the mechanical key.



2 Remove the key cover.

Use a screwdriver of an appropriate size. Forcedly prying may cause the cover damaged.

To prevent damage to the key, cover the tip of the flathead screwdriver with a rag.

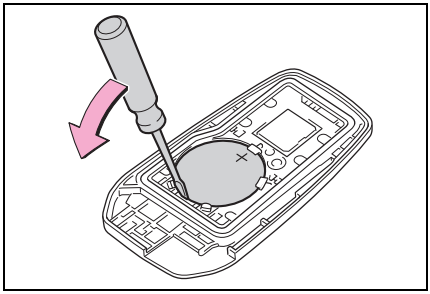


3 Remove the depleted battery using a small flathead screwdriver.

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 “+” ter-

minal facing up.



4 When installing, reverse the steps listed.

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.

■ 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

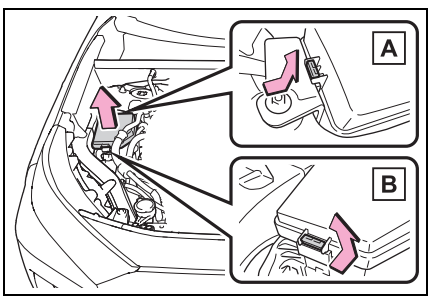
1 Turn the power switch off.

Confirm that the charging connector is not connected. Also, do not use the Remote Air Conditioning System during the procedure.

2 Open the fuse box cover.

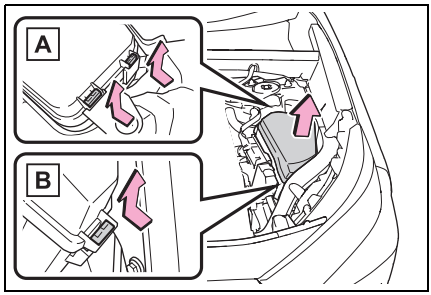
▶ Engine compartment: Type A fuse box

Push claw A and B to completely release the lock, and then lift up the cover.



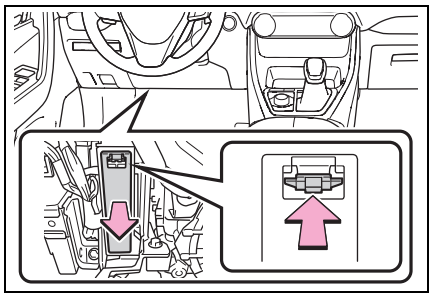
▶ Engine compartment: Type B fuse box

Push claw A and B to completely release the lock, and then lift up the cover.



▶ Left side instrument panel

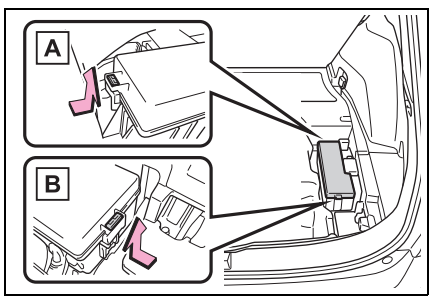
Remove the lid.



▶ Right side luggage compartment

Open the deck board. (→P.417)

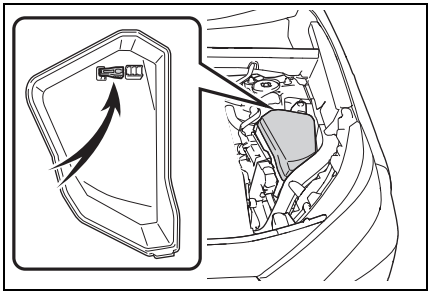
Push claw A and B to completely release the lock, and then lift up the cover.



3 Remove the fuse.

Only type A fuse can be removed

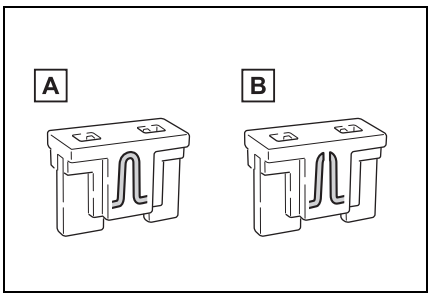
using the pullout tool.



4 Check if the fuse is blown.

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

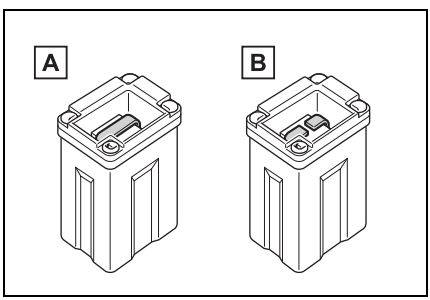
▶ Type A



A Normal fuse

B Blown fuse

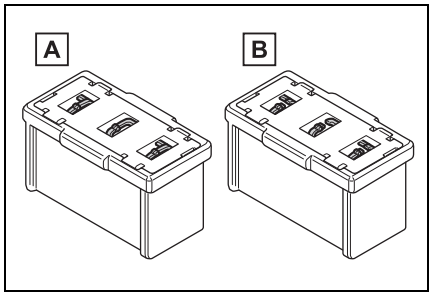
▶ Type B



A Normal fuse

B Blown fuse

▶ Type C



A Normal fuse

B Blown fuse

■ **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.497)
- 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 an electronic component, such as a lights, etc.**

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.

■ **To prevent damage to the engine compartment fuse box cover**

When opening the fuse box, completely release the claw locks before lifting up the cover. Otherwise, the claws may be damaged.

Light bulbs

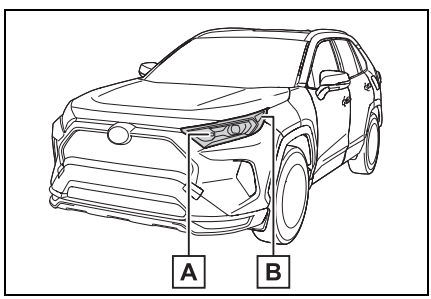
You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Toyota dealer.

For more information about replacing other light bulbs, contact your Toyota dealer.

Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P.556)

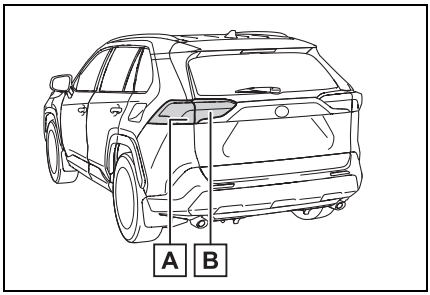
Bulb location



A Front turn signal lights

B Front side marker lights

▶ Rear



A Rear turn signal lights

B Back-up lights

■ **Lights that need to be replaced by your Toyota dealer**

- Headlights
- Daytime running lights and parking lights
- LED accessory lights (if equipped)
- Side turn signal lights
- Tail lights
- Stop lights
- Rear side marker lights
- High mounted stoplight
- License plate lights
- Outer foot lights (if equipped)

■ **LED lights**

The lights other than the following lights each 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.

- Front turn signal lights
- Front side marker lights
- Rear turn signal lights
- Back-up lights

■ **Condensation build-up on the inside of the lens**

Temporary condensation build-up on the inside of the light lens does not indicate a malfunction. Contact your Toyota dealer for more information in the following situations:

- Large drops of water have built up on the inside of the lens.
- Water has built up inside the light.

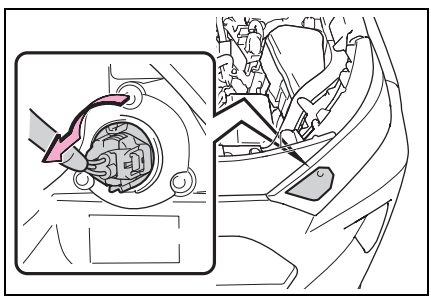
■ **When replacing an electronic component, such as a lights, etc.**

→P.496

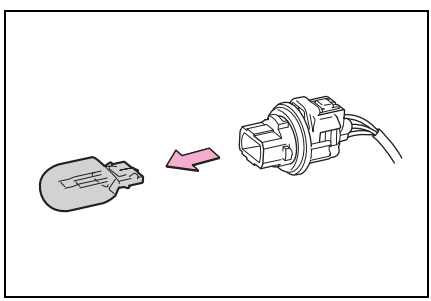
Replacing light bulb

■ **Front turn signal lights**

1 Turn the bulb base counter-clockwise.

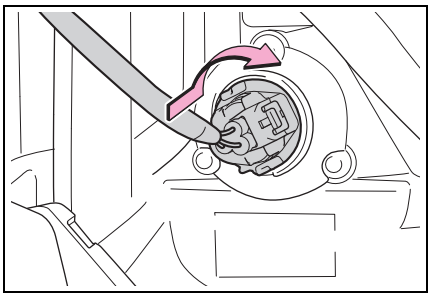


2 Remove the light bulb.



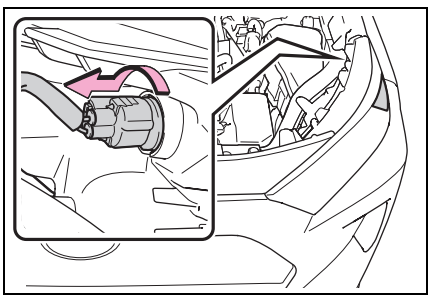
3 Install a new light bulb then install the bulb base to the

light unit by inserting it and turning the bulb base clockwise.

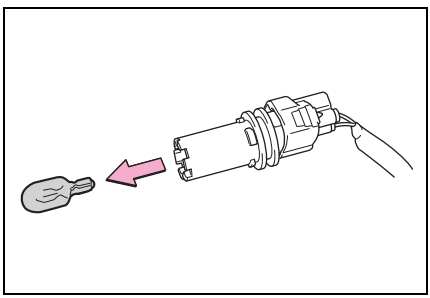


■ Front side marker lights

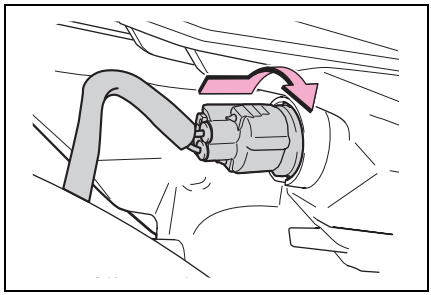
1 Turn the bulb base counterclockwise.



2 Remove the light bulb.

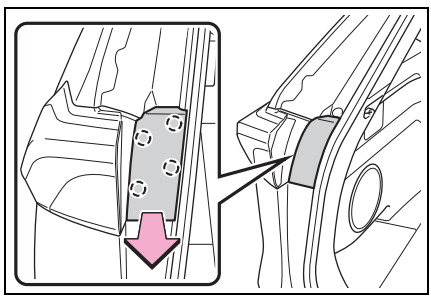


3 Install a new light bulb then install the bulb base to the light unit by inserting it and turning the bulb base clockwise.



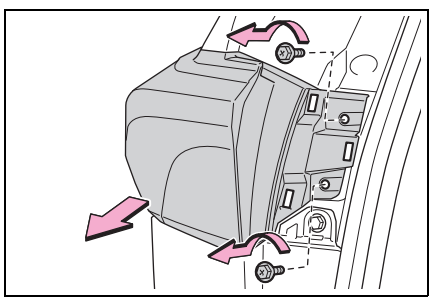
■ Rear turn signal lights

1 Open the back door and remove the cover.

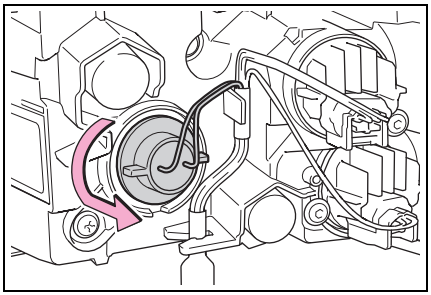


2 Remove the screws and remove the unit.

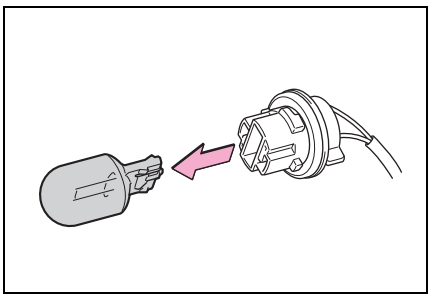
Remove the lamp assembly by pulling it directly backward from the rear of the vehicle.



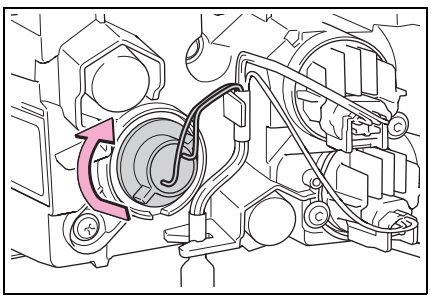
3 Turn the bulb base counter-clockwise.



4 Remove the light bulb.

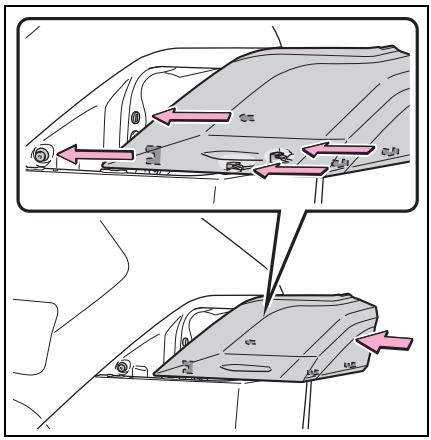


5 Install a new light bulb then install the bulb base to the light unit by inserting it and turning the bulb base clockwise.

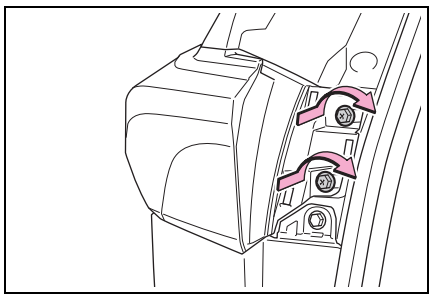


6 Align the grooves on the light unit with the claws, and insert the light unit straight so that the pin on the light unit fit into the hole.

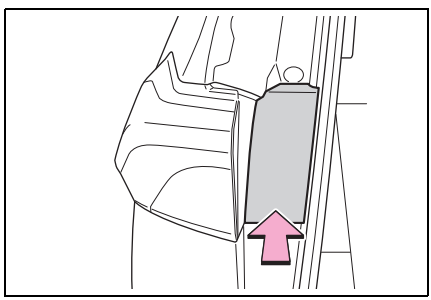
Confirm that the light unit is completely secured.



7 Reinstall the screws.



8 Reinstall the cover.

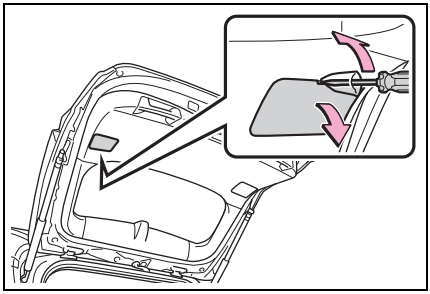


■ **Back-up lights**

1 Open the back door and remove the cover.

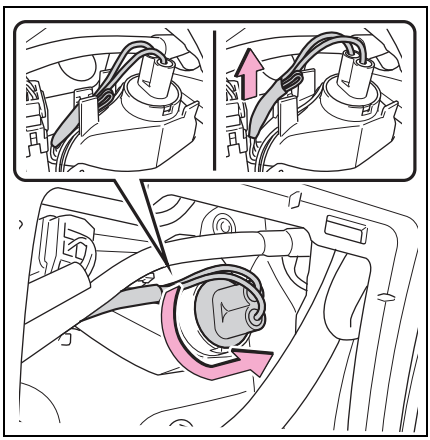
To prevent damage to the cover, protect the tip of the screwdriver

with a rag.

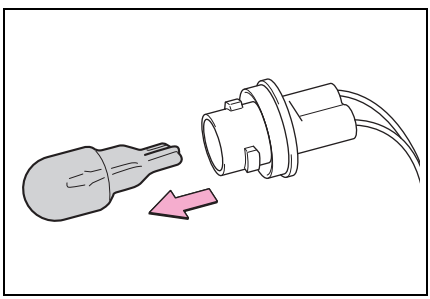


2 Turn the bulb base counter-clockwise.

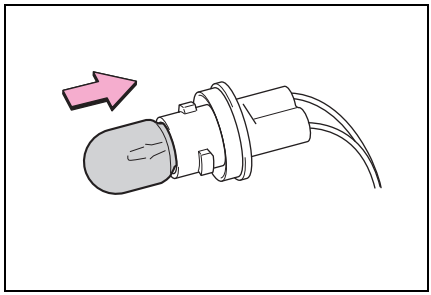
Remove the cord from the clip before turning the bulb base.



3 Remove the light bulb.

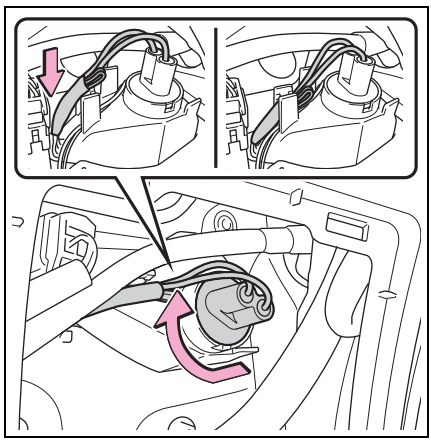


4 Install a new light bulb.

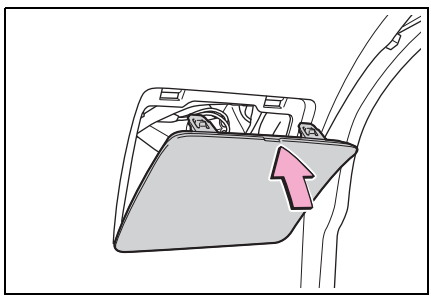


5 Install the bulb base to the light unit by inserting it and turning the bulb base clockwise.

Secure the cord with the clip back again after installing the bulb base.



6 Reinstall the cover.



WARNING

■ Replacing light bulb

- Turn off the light. Do not attempt to replace the bulb immediately after turning off the light.
  The bulb 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 bulb and any parts used to secure it. Failure to do so may result in heat damage, fire, or water entering the light unit. This may damage the light or cause condensation to build up on the lens.
- Do not attempt to repair or disassemble 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 bulb is fully seated and locked.
- Check the wattage of the bulb before installing to prevent heat damage.

8-1. Essential information

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If the vehicle becomes stuck 548

Emergency flashers

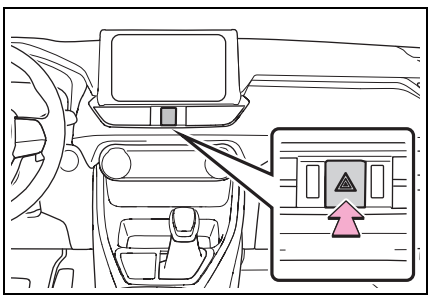
The emergency flashers are used to warn other drivers when the vehicle has to be stopped in the road due to a breakdown, etc.

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.

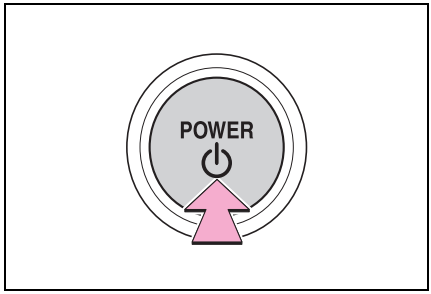
4 Stop the hybrid system.

▶ 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 Perform the following procedure 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.

■ If emergency stopped

The functions of the air conditioning, etc. may be partially limited in order to reduce the power consumption of the 12-volt battery.

⚠ WARNING

■ If the hybrid system has to be turned off while driving

Turning the hybrid system off while driving will not cause a loss of steering or braking control. However, power assist for the steering wheel may be lost making it difficult to steer smoothly before stopping the vehicle depending on the remaining charge in the 12-volt battery or usage conditions. Decelerate as much as possible before turning off the hybrid system.

If the vehicle is trapped in rising water

In the event the vehicle is submerged in water, remain calm and perform the following.

- Remove the seat belt first.
- If the door can be opened, open the door and exit the vehicle.
- If the door can not be opened, open the window using the power window switch and exit the vehicle through the window.
- If the window can not be opened using the power window switch, 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 and exit the vehicle.

WARNING

■ Using an emergency hammer* for emergency escape

The rear side windows and rear window of this vehicle can be shattered by an emergency hammer* used for emergency escape, however, since the windshield and front side windows are laminated glass they can not be shattered by an emergency hammer*.

*: Contact your Toyota dealer, or aftermarket accessory manufacturer for further information about an emergency hammer.

■ Escaping the vehicle from the window

There are cases where escaping the vehicle from the window is not possible due to seating position, passenger body type, etc.

When using an emergency hammer, consider your seat location and the size of the window opening to ensure that the opening is accessible and large enough to escape.

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.

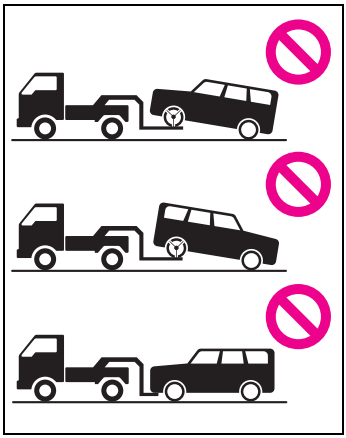
If towing your vehicle with a wheel-lift type truck, use a towing dolly. (→P.507, 508)

WARNING

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

■When towing the vehicle

Be sure to transport the vehicle with all four wheels raised off the ground. If the vehicle is towed with the tires contacting the ground, the drivetrain or related parts may be damaged, the vehicle may fly off the truck, 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

- Do not tow the vehicle from the rear when the power switch is off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

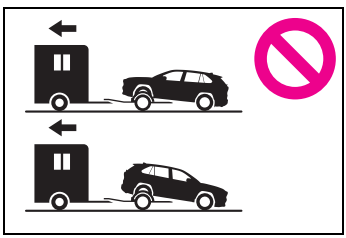
NOTICE

■ **To prevent damage to the vehicle when towing with a sling-type truck**

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

■ **Recreational towing (behind motor home, etc.)**

Never dinghy tow your vehicle to prevent causing serious damage to the AWD system and hybrid transmission. (→P.278)



Situations when it is necessary to contact dealers before towing

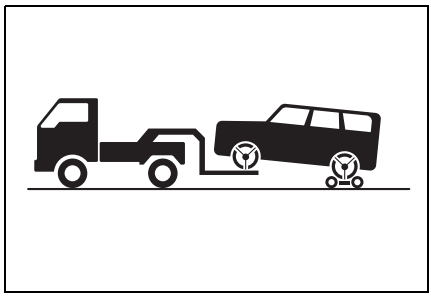
The following may indicate a problem with your transmission. Contact your Toyota dealer or commercial towing service before towing.

- 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

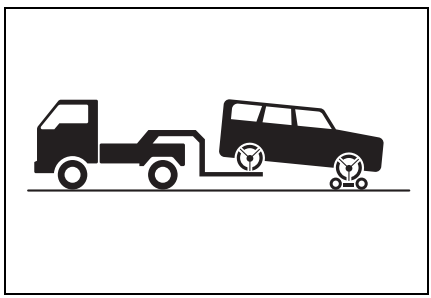
▶ From the front

Use a towing dolly under the rear wheels.



▶ From the rear

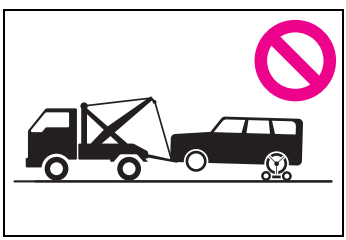
Use a towing dolly under the front wheels.



NOTICE

■ **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.

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
- High coolant temperature warning light flashes or come on

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
(U.S.A.) (Canada) (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 light	Details/Actions
(Yellow)	Indicates a malfunction in: ● The parking brake system; ● The regenerative braking system; or ● The electronically controlled brake system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Charging system warning light*

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.

■ High coolant temperature warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates that the engine is overheating →**Immediately stop the vehicle in a safe place.** **Handling method (→P.544)**

*: This light illuminates on the multi-information display with a message.

■ Hybrid system overheat warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates that the hybrid system has overheated →**Stop the vehicle in a safe place.** **Handling method (→P.544)**

*: This light illuminates on the multi-information display with a message.

■ Low engine oil pressure warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates that the engine oil pressure is too low →**Immediately stop the vehicle in a safe place and contact your Toyota dealer.**

*: This light illuminates on the multi-information display with a message.

■ Malfunction indicator lamp*

Warning light	Details/Actions
 (U.S.A.) (Canada)	Indicates a malfunction in: ● The hybrid system; ● The electronic engine control system; ● The electronic throttle control system; or ● The emission control system (if equipped) →**Have the vehicle inspected by your Toyota dealer immediately.**

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

■ SRS warning light

Warning light	Details/Actions
	Indicates a malfunction in: ● The SRS airbag system; ● The front passenger occupant classification system; or ● The seat belt pretensioner system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ ABS warning light

Warning light	Details/Actions
 (U.S.A.) (Canada)	Indicates a malfunction in: ● The ABS; or ● The brake assist system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Electric power steering system warning light* (warning buzzer)

Warning light	Details/Actions
 (Red/yellow)	Indicates a malfunction in the EPS (Electric Power Steering) system → **Have the vehicle inspected by your Toyota dealer immediately.**

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

■ PCS warning light (warning buzzer)

Warning light	Details/Actions
(Flashes or illuminates)	When a buzzer sounds simultaneously: Indicates a malfunction has occurred in the PCS (Pre-Collision System). → **Have the vehicle inspected by your Toyota dealer immediately.** When a buzzer does not sound: The PCS (Pre-Collision System) has become temporarily unavailable, corrective action may be necessary. → **Follow the instructions displayed on the multi-information display. (→P.313, 526)** If the PCS (Pre-Collision System) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate. → **P.322**

■ LTA indicator* (warning buzzer)

Warning light	Details/Actions
(Orange)	Indicates a malfunction in the LTA (Lane Tracing Assist) → **Follow the instructions displayed on the multi-information display. (→P.332)**

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

■ Intuitive parking assist OFF indicator* (warning buzzer)

Warning light	Details/Actions
(If equipped)	When a buzzer sounds: Indicates a malfunction in the Intuitive parking assist 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.359, 523)**

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

■ PKSB OFF indicator* (warning buzzer)

Warning light	Details/Actions
(If equipped)	If “Parking Support Brake Malfunction Visit Your Dealer” is displayed on the multi-information display: Indicates a malfunction in the PKSB (Parking Support Brake) system → **Have the vehicle inspected by your Toyota dealer immediately.** If “Parking Assist Unavailable” is displayed on the multi-information display: 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.367, 523)**

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

■ BSM OFF indicator* (warning buzzer)

Warning light	Details/Actions
	Indicates a malfunction in the BSM (Blind Spot Monitor) function → **Have the vehicle inspected by your Toyota dealer immediately.** Indicates that the rear bumper around the radar sensor is covered with dirt, etc. (→P.350) → **Follow the instructions displayed on the multi-information display. (→P.348, 523)**

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

■ RCTA OFF indicator* (warning buzzer)

Warning light	Details/Actions
(If equipped)	Indicates a malfunction in the RCTA (Rear Cross Traffic Alert) function → **Have the vehicle inspected by your Toyota dealer immediately.** Indicates that the rear bumper around the radar sensor is covered with dirt, etc. (→P.350) → **Follow the instructions displayed on the multi-information display. (→P.348, 523)**

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

■ Slip indicator light

Warning light	Details/Actions
	Indicates a malfunction in: ● The VSC/Trailer Sway Control system; ● The TRAC system; ● The Trail Mode function; or ● The hill-start assist control system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Brake Override System/Drive-Start Control/PKSB (if equipped) warning light* (warning buzzer)

Warning light	Details/Actions
	When a buzzer sounds: ● Brake Override System is malfunctioning; ● Drive-Start Control is operating; ● Drive-Start Control is malfunctioning; or ● Parking Support Brake function (for static objects) (if equipped) is operating → **Follow the instructions displayed on the multi-information display and head-up display (if equipped).** 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 with a message.

■ Brake hold operated indicator (warning buzzer)

Warning light	Details/Actions
HOLD (Flashes)	Indicates a malfunction in the brake hold system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Parking brake indicator

Warning light	Details/Actions
PARK (U.S.A.) (Flashes) (P) (Canada) (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.

■ Tire pressure warning light*

Warning light	Details/Actions
	When the light comes on after blinking for approximately 1 minute (a buzzer does not sound): Malfunction in the tire pressure warning system → **Have the system checked by your Toyota dealer.** When the light comes on (a buzzer sounds): Low tire inflation pressure from natural causes → **Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P.555)** Low tire inflation pressure from flat tire → **Immediately stop the vehicle in a safe place.** **Handling method (→P.520)**

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

■ Low fuel level warning light

Warning light	Details/Actions
	Indicates that remaining fuel is approximately 2.2 gal. (8.3 L, 1.8 lmp. 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 seat belt warning buzzer:
The driver's seat belt warning buzzer sounds to alert the driver that his or her seat belt is not fastened. Once the power switch is turned to ON, the

buzzer sounds. If the seat belt is still unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.
Front passenger's seat belt warning buzzer:
The front passenger's seat belt warning buzzer sounds to alert the 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[*1, 2] (warning buzzer[*3])

Warning light	Details/Actions
(If equipped)	Warns the rear passengers to fasten their seat belts → **Fasten the seat belt.**

[*1]: This light illuminates on the multi-information display.

[*2]: Regardless of whether or not a rear passenger is present, this light will also illuminate for a certain period of time after the rear door is opened and closed.

[*3]: Rear passengers' seat belt warning buzzer:
The rear passengers' seat belt warning buzzer sounds to alert the rear passengers 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 seat belt is fastened and unfastened and the vehicle reaches a certain speed.

■ Warning buzzer

In some cases, the buzzer may not be heard because of noisy place or an 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.

■ SRS warning light

This warning light system monitors the airbag sensor assembly, front impact sensors, side impact sensors (front door), side impact sensors (front), side impact sensors (rear), driver's seat position sensor, front passenger occupant classification sensors, "AIR BAG ON" indicator light, "AIR BAG OFF" indicator light, front passenger's seat belt buckle switch, driver's seat belt pretensioner, front passenger's seat belt pretensioner and force limiter, airbags, interconnecting wiring and power sources. (→P.35)

If the malfunction indicator lamp comes on while driving

First check the following:

- Is the fuel tank empty?

If it is, fill the fuel tank immediately.

- Is the fuel tank cap loose?

If it is, tighten it securely.

The light will go off after several driving trips.

If the light does not go off even after several trips, 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.

At this time, the functions of the air conditioning, etc. may be partially limited in order to reduce the power consumption of the 12-volt battery.

When the tire pressure warning light comes on

Inspect the tires to check if a tire is punctured.

If a tire is punctured: →P.527

If none of the tires are punctured:

Turn the power switch to OFF then turn it to ON. Check if the tire pressure warning light comes on or blinks.

▶ If the tire pressure warning light blinks for approximately 1 minute then stays on

There may be a malfunction in the tire pressure warning system. Have the vehicle inspected by your Toyota dealer immediately.

▶ If the tire pressure warning light comes on

1 After the temperature of the tires has lowered sufficiently, check the inflation pressure of each tire and adjust them to the specified level.

2 If the warning light does not turn off even after several minutes have elapsed, check that the inflation pressure of each tire is at the specified level and perform initialization. (→P.474)

The tire pressure warning light may come on due to natural causes

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

When a tire is replaced with a compact spare tire

The compact spare tire is not equipped with a tire pressure warning valve and transmitter. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire has been replaced with the spare tire. Replace the spare tire with the standard tire and adjust the tire inflation pressure. The tire pressure warning light will go off after a few minutes.

Conditions that the tire pressure warning system may not function properly

→P.472

WARNING

■ If a warning light comes on or a warning buzzer sounds when a warning message is shown on the multi-information display*

Check and follow the message shown on the multi-information display.

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

*: Warning lights illuminate in red or yellow and the warning buzzer beeps once or sounds continuously.

■ 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.
If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

■ If the tire pressure warning light comes on

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If a tire is flat, change it with the spare tire and have the flat tire repaired by the nearest Toyota dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ If a blowout or sudden air leakage should occur

The tire pressure warning system may not activate immediately.

■ Maintenance of the tires

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

WARNING

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

Your vehicle has also been equipped with a TPMS (tire pressure warning system) malfunction indicator to indicate when the system is not operating properly. The TPMS (tire pressure warning system) malfunction indicator is combined with the low tire pressure telltale (tire pressure warning light). When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

TPMS (tire pressure warning system) malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS (tire pressure warning system) from functioning properly. Always check the TPMS (tire pressure warning system) malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS (tire pressure warning system) to continue to function properly.

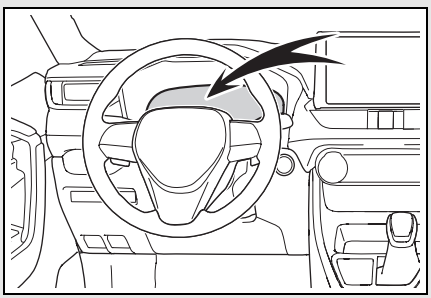
NOTICE

■ To ensure the tire pressure warning system operates properly

Do not install tires with different specifications or manufacturers as the tire pressure warning system may not operate properly.

If a warning message is displayed

The multi-information display shows warnings of system malfunctions, incorrectly performed operations, and messages that indicate a need for maintenance. When a message is shown, perform the correction procedure appropriate to the message.



If a warning message is displayed again after the appropriate actions have been performed, contact your Toyota dealer.

When a message about charging is displayed, refer to P.152.

■Warning messages

The warning messages explained below may differ from the actual messages according to operation conditions and vehicle specifications.

■If a message about an operation is shown

●If a message about an operation of the accelerator pedal or brake pedal is shown

A warning message about an operation of the brake pedal may be shown while the driving support systems such as PCS (Pre-Collision system) or the dynamic radar cruise control with full-speed range is operating. If a warning message is shown, be sure to decelerate the vehicle or follow an instruction shown on the multi-information display.

- A warning message is shown when Brake Override System operates. (→P.259, 517)
- A warning message is shown when Drive-Start Control or Parking Support Brake function (if equipped) operates (→P.259, 363). Follow the instructions on the multi-information display.

●If a message about an operation of the power switch is shown

An instruction for operation of the power switch is shown when the incorrect procedure for starting the hybrid system is performed or the power switch is operated incorrectly. Follow the instructions shown on the multi-information display to operate the power switch again.

●If a message about a shift lever operation is shown

To prevent the shift lever from being operated incorrectly or the vehicle from moving unexpectedly, a message that requires shifting the shift lever may be shown on the multi-information display. In that case, follow the instruction of the message and shift the shift lever.

●If a message or image about an open/close state of a part or replenishment of a consumable is shown

Confirm the part indicated by the

multi-information display or a warning light, and then perform the coping method such as closing the open door or replenishing a consumable.

■ If a message that indicates the need for visiting your Toyota dealer is displayed

The system or part shown on the multi-information display is malfunctioning. Have the vehicle inspected by your Toyota dealer immediately.

■ If a message that indicates the need for referring to Owner's Manual is displayed

● If the following messages are shown, follow the instructions, accordingly.
- "Blind Spot Monitor Unavailable" (→P.348, 523)
- "Rear Cross Traffic Alert Unavailable"(→P.348, 523)
- "Engine Coolant Temp High" (→P.544)

● If the following messages are shown, there may be a malfunction. Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.
- "Plug-in charging system malfunction"
- "Hybrid System Malfunction"
- "Charging System Malfunction"
- "Check Engine"
- "Hybrid Battery System Malfunction"
- "Accelerator System Malfunction"
- "Smart Key System Malfunction"

● If the following messages are shown, there may be a malfunction. Immediately have the vehicle inspected by your Toyota dealer.
- "Oil Pressure Low"
- "Braking Power Low"

● If any of the following messages are shown on the multi-information display, 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.
- "Hybrid System Stopped"
- "Engine Stopped"

● If "Maintenance required for DCDC converter cooling parts See Owner's Manual" is shown, the filter may be clogged, the air intake vent may be blocked, or there may be a gap in the duct. Therefore, perform the following correction procedure.
- If the air intake vent or filter of the DC/DC converter are dirty, perform the procedures on P.486 to clean them.
- If the warning message is shown when the air intake vent and filter of the DC/DC converter are not dirty, have the vehicle inspected at your Toyota dealer.

● If "12-Volt Battery Charging System Malfunction Stop in a Safe Place See Owner's Manual" is shown

Indicates a malfunction in the vehicle's charging system. Pull over and stop the vehicle as soon as it is safe to do so.

While the message is displayed, the functions of the air conditioning, etc. may be partially limited in order to reduce the power consumption of the 12-volt battery.

■ If "Hybrid System Overheated Output Power Reduced" is shown

The message may be shown when driving under severe operating conditions. (For example, when driving up a long steep hill or driving up a steep hill in reverse.)

Coping method: →P.544

■ If "Traction Battery Needs to be Protected Refrain from the Use of N Position" is shown

This message may be displayed when the shift lever is in N.

As the hybrid battery (traction battery) cannot be charged when the shift lever is in N, shift the shift lever to P when the vehicle is stopped.

If “Traction Battery Needs to be Protected Shift into P to Restart” is shown

This message is displayed when the hybrid battery (traction battery) charge has become extremely low because the shift lever has been left in N for a certain amount of time.

When operating the vehicle, shift to P and restart the hybrid system.

If “Shift to P when Parked” is shown

Message is displayed when the driver’s door is opened without turning the power switch to OFF with the shift lever in any position other than P.

Shift the shift lever to P.

If “Shift is in N Release Accelerator Before Shifting” is shown

Message is displayed when the accelerator pedal has been depressed and the shift lever is in N. Release the accelerator pedal and shift the shift lever to D or R.

If “Press Brake when Vehicle is Stopped Hybrid System may Overheat” is shown

Message is displayed when the accelerator pedal is depressed to maintain the vehicle position when stopped on a upward slope, etc.

If this continues, the hybrid system may overheat.

Release the accelerator pedal and depress the brake pedal.

If “Auto Power OFF to Conserve Battery” is shown

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 “Engine Oil Level Low Add or Replace” is displayed

The engine oil level may be low. Check the level of the engine oil, and add engine oil if necessary. 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 “Maintenance Required Soon” is shown

Indicates that all maintenance according to the driven distance on the maintenance schedule* should be performed soon.

Comes on approximately 4500 miles (7200 km) after the message has been reset.

If necessary, perform maintenance. Please reset the message after the maintenance is performed. (→P.451)

*: Refer to the separate “Scheduled Maintenance Guide” or “Owner’ Manual Supplement” for the maintenance interval applicable to your vehicle.

If “Maintenance Required Visit Your Dealer” is shown

Indicates that all maintenance is required to correspond to the driven distance on the maintenance schedule*.

Comes on approximately 5000 miles (8000 km) after the message has been reset. (The indicator will not work properly unless the message has been reset.)

Perform the necessary maintenance. Please reset the message after the maintenance is performed. (→P.451)

*: Refer to the separate “Scheduled Maintenance Guide” or “Owner’ Manual Supplement” for the main-

tenance interval applicable to your vehicle.

■ **If a message that indicates the malfunction of front camera is displayed**

The following systems may be suspended until the problem shown in the message is resolved. (→P.313, 511)

- PCS (Pre-Collision System)
- LTA (Lane Tracing Assist)
- Automatic High Beam
- RSA (Road Sign Assist)*
- Dynamic radar cruise control with full-speed range

*: If equipped

■ **If "Radar Cruise Control Unavailable See Owner's Manual" is shown**

The dynamic radar cruise control with full-speed range system is suspended temporarily or until the problem shown in the message is resolved. (causes and coping methods: →P.313)

■ **If "Radar Cruise Control Unavailable" is shown**

The dynamic radar cruise control with full-speed range system cannot be used temporarily. Use the system when it becomes available again.

■ **Warning buzzer**

→P.519

WARNING

■ **If a warning light comes on or a warning buzzer sounds when a warning message is shown on the multi-information display**

→P.521

NOTICE

■ **"High Power Consumption Partial Limit On AC/Heater Operation" is frequently shown**

There is a possible malfunction relating to the charging system or the 12-volt battery may be deteriorating. Have the vehicle inspected by your Toyota dealer.

■ **If "Maintenance required For Traction Battery At Your Dealer" is shown**

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 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.468

WARNING

■ If you have a flat tire

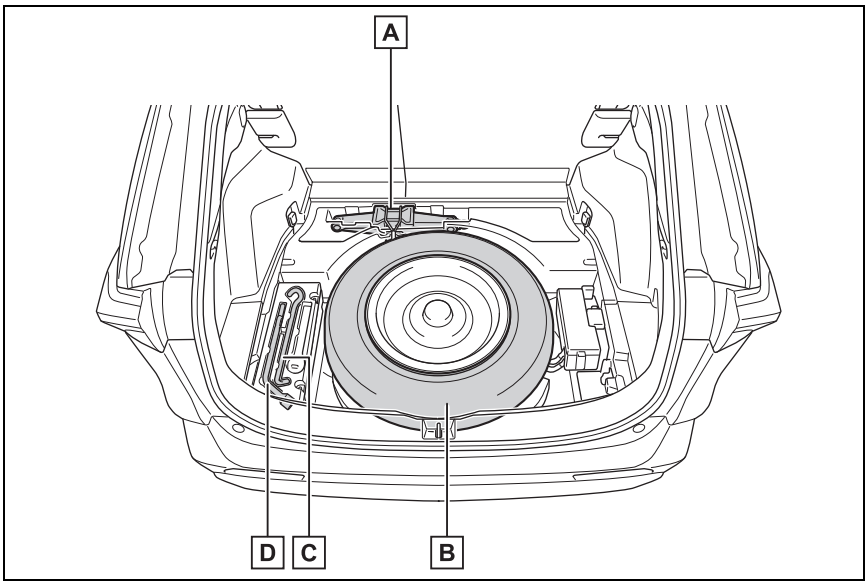
Do not continue driving with a flat tire.

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. (→P.504)
- For vehicles with power back door: Turn off the power back door system. (→P.216)

Location of the spare tire, jack and tools



A Jack

B Spare tire

C Jack handle

D Wheel nut wrench

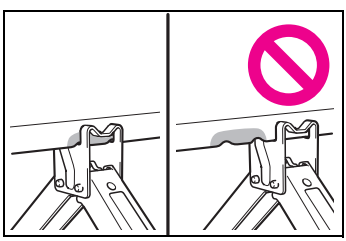
WARNING

■ 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.
- The equipped jack can only be used with your vehicle. Do not use it with other vehicles.
- And do not use jacks from other vehicles with your 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.

WARNING

- Do not raise the vehicle while someone is inside.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- Stop the vehicle on firm, flat and level ground, firmly set the parking brake and shift the shift lever to P. Block the wheel diagonally opposite to the one being changed if necessary.
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering.

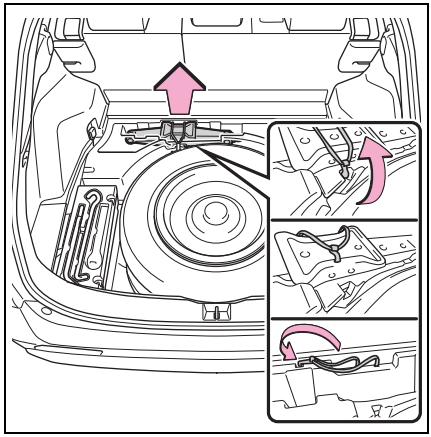
Taking out the jack

1 Open the deck board (→P.417).

2 Unhook the tightening strap and take out the jack from the deck under tray.

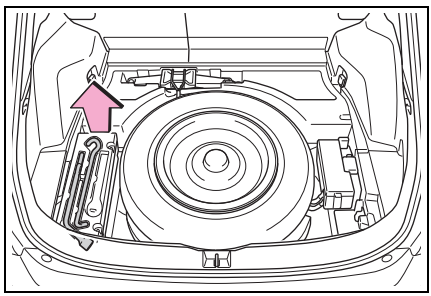
After taking out the jack, hold it in place by attaching the rubber band temporarily to the hole shown in the illustration.

To store the jack, rotate the jack and tighten until it no longer moves. Insert it into the deck under tray and then secure it in place with a rubber band.



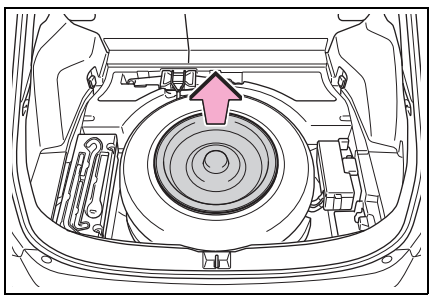
Taking out the tools

Take out the tools.



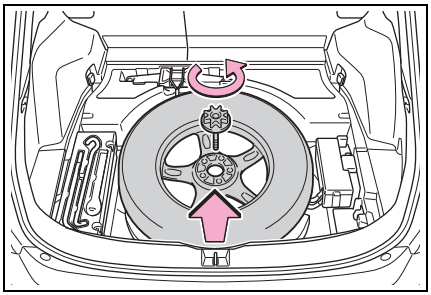
Taking out the spare tire

1 Take out the deck under tray.



2 Loosen the center fastener that secures the spare tire,

and then take out the spare tire.



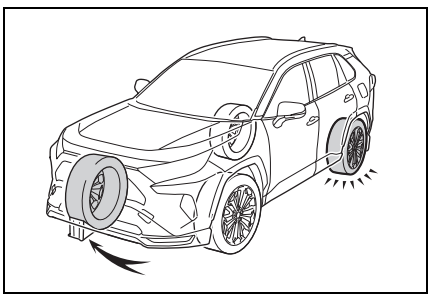
WARNING

■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.

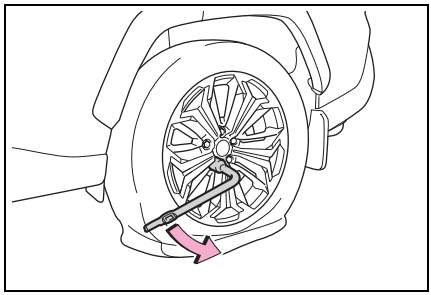
Replacing a flat tire

1 Chock the tires.



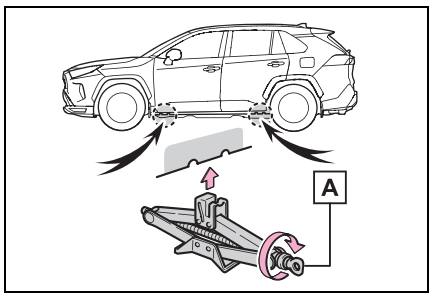
Flat tire	Wheel chock positions
Front left-hand side	Behind the rear right-hand side tire
Front right-hand side	Behind the rear left-hand side tire
Rear left-hand side	In front of the front right-hand side tire
Rear right-hand side	In front of the front left-hand side tire

2 Slightly loosen the wheel nuts (one turn).

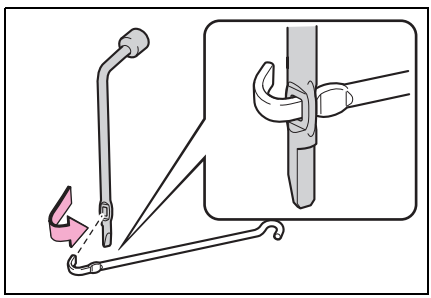


3 Turn the tire jack portion A by hand until the notch of the jack is in contact with the jack point.

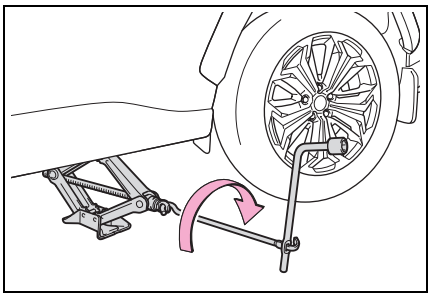
The jack point guides are located under the rocker panel. They indicate the jack point positions.



4 Assemble the jack handle and the wheel nut wrench as shown in the illustration.

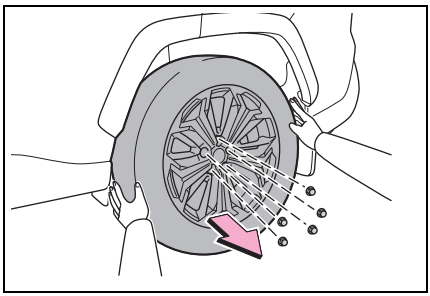


5 Raise the vehicle until the tire is slightly raised off the ground.



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

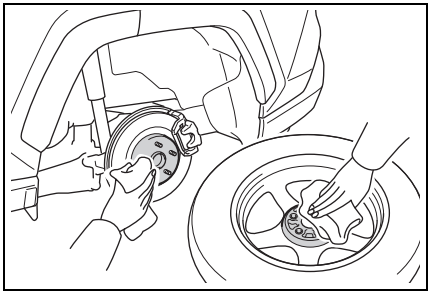
- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven.
  After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc. may 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.
  - Have the wheel nuts tightened with a torque wrench to 76 ft•lbf (103 N•m, 10.5 kgf•m) as soon as possible after changing wheels.
  - When installing a tire, only use wheel nuts that have been specifically designed for that wheel.
  - If there are any cracks or deformations in the bolt screws, nut threads or bolt holes of the wheel, have the vehicle inspected by your Toyota dealer.
- For vehicles with power back door: In cases such as when replacing tires, make sure to turn off the power back door system (→P.216). Failure to do so may cause the back door to operate unintentionally if the power back door switch is accidentally touched, resulting in hands and fingers being caught and injured.

Installing the spare tire

1 Remove any dirt or foreign matter from the wheel contact surface.

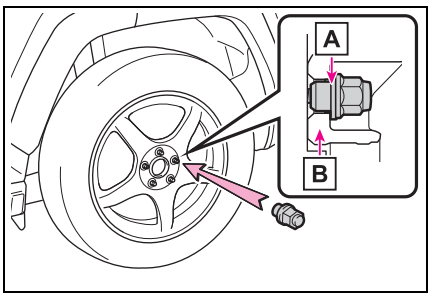
If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in

motion, causing the tire to come off.

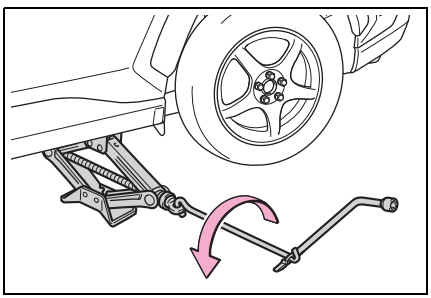


2 Install the spare tire and loosely tighten each wheel nut by hand by approximately the same amount.

Turn the wheel nuts until the washers (A) come into contact with the disc wheel (B).

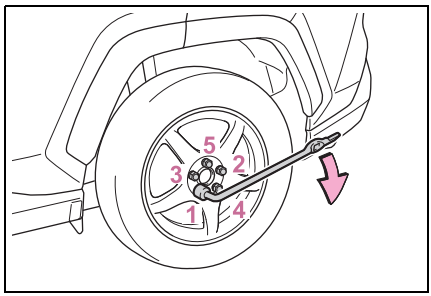


3 Lower the vehicle.



4 Firmly tighten each wheel nut two or three times in the order shown in the illustration.

Tightening torque:
76 ft•lbf (103 N•m, 10.5 kgf•m)



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.555)

■ When using the compact spare tire

As the compact spare tire is not equipped with a tire pressure warning valve and transmitter, low inflation pressure of the spare tire will not be indicated by the tire pressure warning system. Also, if you replace the compact spare tire after the tire pressure warning light comes on, the light remains on.

■ When the compact spare tire is attached

The vehicle height may become 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 (except 235/55R19 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 tire simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.

■When the compact spare tire is attached

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS & Brake assist
- VSC/Trailer Sway Control
- TRAC
- Dynamic radar cruise control with full-speed range
- PCS (Pre-Collision System)
- EPS
- LTA (Lane Tracing Assist)
- Tire pressure warning system
- AHB (Automatic High Beam)
- AFS (Adaptive Front-lighting System) (if equipped)
- BSM (Blind Spot Monitor)
- Rear view monitor system (if equipped)
- Panoramic view monitor (if equipped)
- Toyota parking assist monitor (if equipped)
- Intuitive parking assist (if equipped)
- PKSB (Parking Support Brake) (if equipped)
- Navigation system (if equipped)

Also, not only can the following system not be utilized fully, but it may actually negatively affect the drive-train components:

- E-Four (Electronic On-Demand AWD system)

■Speed limit when using the compact spare tire

Do not drive at speeds in excess of 50 mph (80 km/h) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

■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 height may become lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

■ Driving with tire chains and the compact spare tire

Do not fit tire chains to the compact spare tire.

Tire chains may damage the vehicle body and adversely affect driving performance.

■ When replacing the tires

When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Toyota dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

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.279)

One of the following may be the cause of the problem:

- The AC charging cable may be attached to the vehicle. (→P.123)
- The electronic key may not be functioning properly. (→P.537)
- There may not be sufficient fuel in the vehicle's tank. Refuel the vehicle. (→P.306)
- There may be a malfunction in the immobilizer system. (→P.72)
- There may be a malfunction in the steering lock system.
- 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 mal-

function, an interim measure is available to start the hybrid system. (→P.535)

- There is a possibility that the temperature of the hybrid battery (traction battery) is extremely low (approximately below -22°F [-30°C]). (→P.280)

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.539)
- The 12-volt battery terminal connections may be loose or corroded. (→P.467)

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.539)
- One or both of the 12-volt battery terminals may be disconnected. (→P.467)

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 cases of emergency.

1. Pull the parking brake switch to check that the parking brake is set. (→P.290)

Parking brake indicator will come on.

2. Shift the shift lever to P.
3. Turn the power switch to ACC.
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.

If you lose your keys

New genuine keys can be made by your Toyota dealer using the other 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.

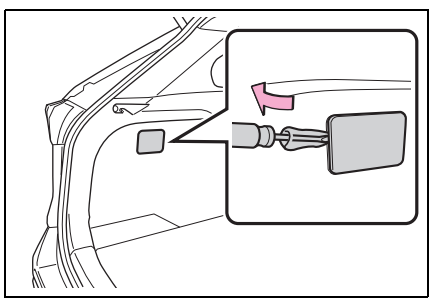
If the fuel filler door cannot be opened

If the fuel filler door opener switch cannot be operated, contact your Toyota dealer to service the vehicle. In case where refueling is urgently necessary, the following procedure can be used to open the fuel filler door.

Opening the fuel filler door

1 Remove the cover inside the luggage compartment by inserting a screwdriver.

When removing the cover, to prevent damage, cover the tip of the screwdriver with a rag.

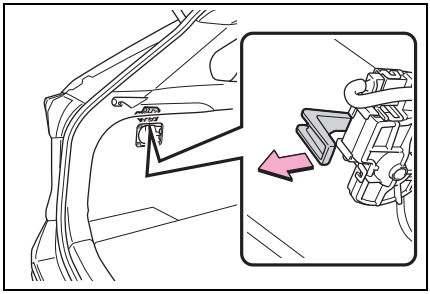


2 Pull the lever.

Using the lever to open the fuel filler door may not allow for an adequate reduction in fuel tank pressure before refueling. To prevent fuel from spilling out, turn the cap slowly when removing it.

During refueling, fuel may spill out from the filler opening due to air being discharged from inside the fuel tank. Therefore, fill the fuel tank

carefully and slowly.



If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P.218) or the electronic key cannot be used because the battery is depleted, the smart key system and wireless remote control cannot be used. In such cases, the doors can be opened 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 key system has not been deactivated in the customization setting. If it is off, turn the function on. (Customizable features: →P.574)
- Check if battery-saving mode is set. If it is set, cancel the function. (→P.218)

NOTICE

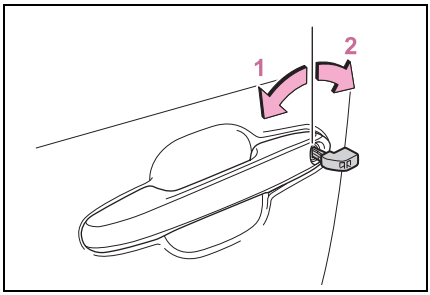
In case of a smart key system malfunction, or other key related problems

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

Locking and unlocking the doors

Use the mechanical key (→P.196) in order to perform the

following operations.

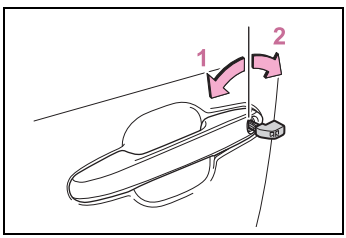


1 Locks all the doors

2 Unlocks the door

Turning the key rearward unlocks the driver's door. Turning the key once again within 5 seconds unlocks the other doors.

■ Key linked functions



1 Closes the windows and the moon roof*1 or panoramic moon roof*1 (turn and hold)*2

2 Opens the windows and the moon roof*1 or panoramic moon roof*1 (turn and hold)*2

*1: If equipped

*2: These settings must be customized at your Toyota dealer.

WARNING

■ When using the mechanical key and operating the power windows or the moon roof (if equipped) or panoramic moon roof (if equipped)

Operate the power window or the moon roof 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 the moon roof 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 the moon roof or panoramic moon roof.

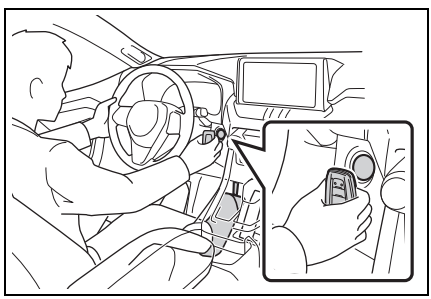
Starting the hybrid system

1 Ensure that the shift lever is in P and depress the brake pedal.

2 Touch the area behind the buttons on 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 key system is deactivated in customization setting, the power switch will turn to ACC.



3 Firmly depress the brake pedal and check that is displayed 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, set the parking brake and press the power switch as you normally do when stopping the hybrid system.

■ **Replacing the key battery**

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P.493)

■ **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.283)

If the 12-volt battery is discharged

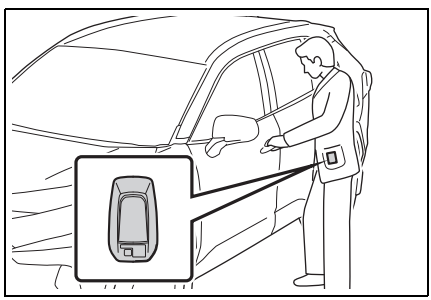
The following procedures may be used to start the hybrid system if the vehicle's 12-volt battery is discharged.
You can also call your Toyota dealer or a qualified repair shop.

Restarting the hybrid system

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

1 Vehicles with alarm: Confirm that the electronic key is being carried.

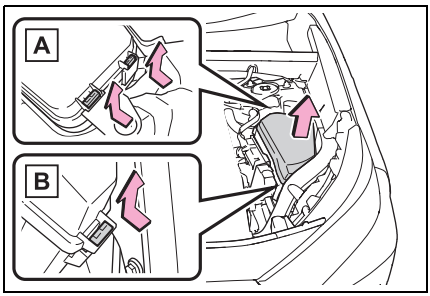
When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and the doors locked. (→P.74)



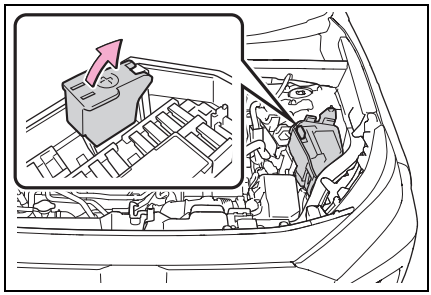
2 Open the hood (→P.457) and fuse box cover.

Push claw A and B to completely release the lock, and then lift

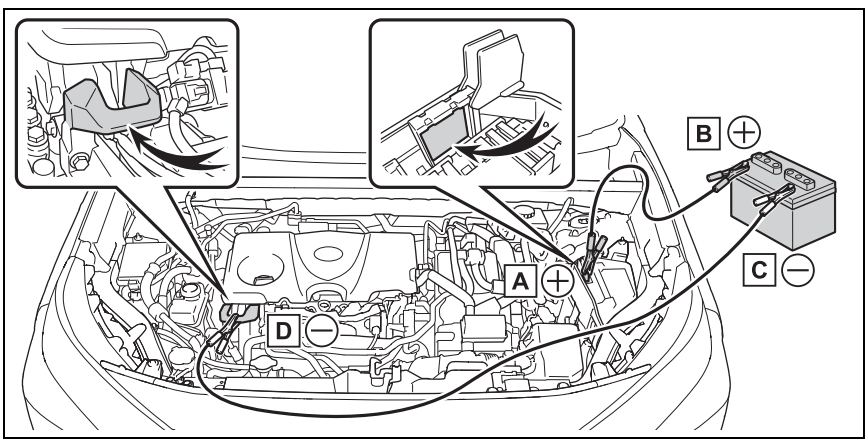
up the cover.



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 .



A Exclusive jump starting terminal (your vehicle)

B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Solid, stationary, unpainted metallic point away from the exclusive jump starting terminal and any moving parts as 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 light 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 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.582)

■ 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 be unable to start. (The 12-volt battery recharges automatically while the hybrid system is operating.)

■ When recharging or replacing the 12-volt battery

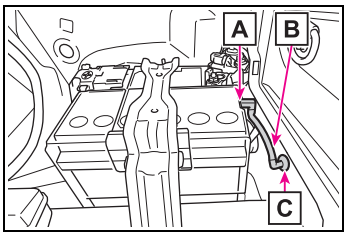
- In some cases, it may not be possible to unlock the doors using the smart key system when the 12-volt battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The hybrid system may not start on the first attempt after reinstalling the 12-volt battery. In that case, start the hybrid system in the same manner as when the electronic key does not operate properly (→P.538). This is not a malfunction, as the hybrid system will start normally on the second attempt.

- 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.582)

■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 hours 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 hybrid system may not be able to start.
- Use a ventilation type calcium battery
- Use a 12-volt battery with a handle. If a 12-volt battery without a handle is used, removal is more difficult.
- When removing the 12-volt battery: →P.467
- 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 new 12-volt battery or the one installed on the battery prior to the replacement. (Depending on the new 12-volt battery installed, the exhaust hole may be plugged.)

For details, consult your Toyota dealer.

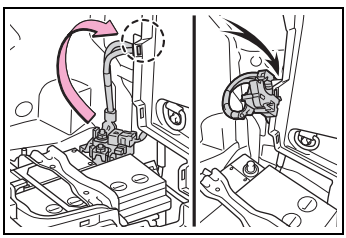


A Exhaust hole

B Exhaust hose

C Hole section of the vehicle

- The terminals can be connected to the body side when the negative terminal of the 12-volt battery is disconnected, as shown in the illustration.



WARNING

■When removing the 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.

WARNING

■ 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:

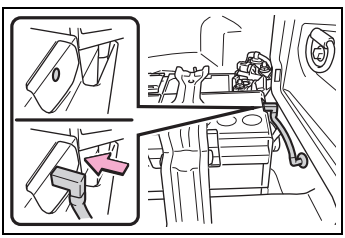
- When working with the 12-volt battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the 12-volt battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately 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.

■ 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

- 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.



NOTICE

■ When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fan, etc.

■ 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 high coolant temperature warning light (→P.161) comes on or flashes, 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

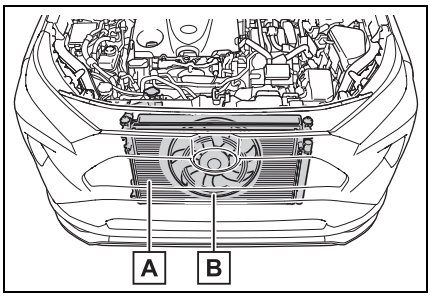
■ If the high coolant temperature warning light comes on, flashes or "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" is shown on the multi-information display

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.

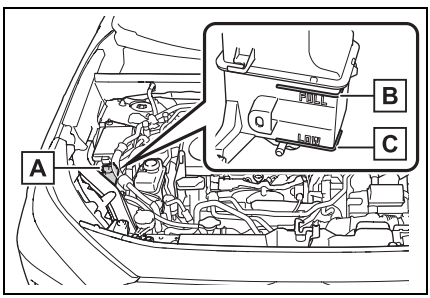


A Radiator

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 “FULL” and “LOW” lines on the reservoir.



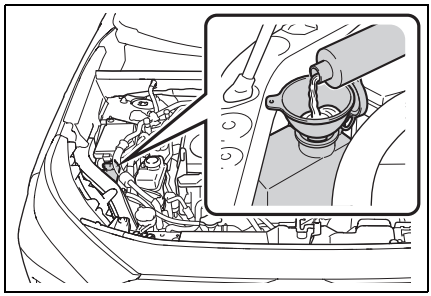
A Reservoir

B “FULL” line

C “LOW” line

5 Add coolant if necessary.

Water can be used in an emergency if engine coolant is unavailable.
If water was added in an emergency, have the vehicle inspected at your Toyota dealer as soon as possible.



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, adjust the temperature control switch to “LO” and turn the “A/C” switch ON and OFF. After this, 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.

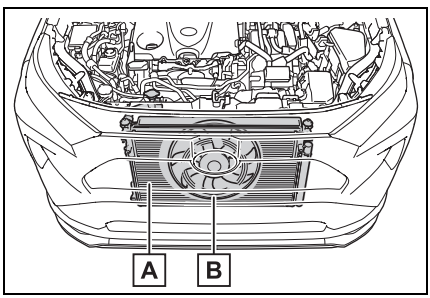
If the message is not displayed: Have the vehicle inspected at the nearest Toyota dealer.

■ 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.

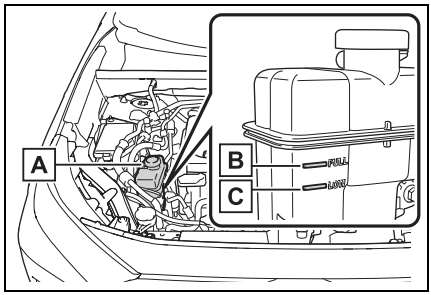


A Radiator

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.



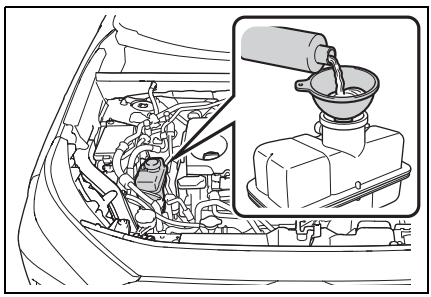
A Reservoir

B "FULL" line

C "LOW" line

5 Add coolant if necessary.

Water can be used in an emergency if power control unit coolant is unavailable.
If water was added in an emergency, have the vehicle inspected at your Toyota dealer as soon as possible.



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 coolant reservoir cap 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

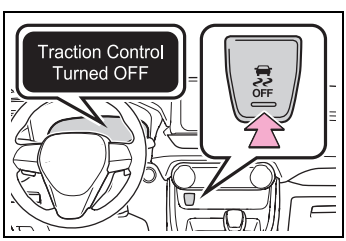
Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

Recovering procedure

1. Stop the hybrid system. Set the parking brake and shift the shift lever to P.
2. Remove the mud, snow or sand from around the stuck tire.
3. Place wood, stones or some other material to help provide traction under the tires.
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 OFF to turn off TRAC. (→P.382)



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 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

9

9-1. Specifications

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Fuel information 557

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9-2. Customization

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9-3. Initialization

Items to initialize 582

Maintenance data (fuel, oil level, etc.)

Dimensions and weights

Overall length*			180.9 in. (4595 mm)
Overall width*			73.0 in. (1855 mm)
Overall height*	With18-inch wheels		67.0 in. (1701 mm)
	With19-inch wheels		67.2 in. (1706 mm)
Wheelbase*			105.9 in. (2690 mm)
Tread*	With18-inch wheels	Front	63.0 in. (1600 mm)
		Rear	63.7 in. (1619 mm)
	With19-inch wheels	Front	62.6 in. (1590 mm)
		Rear	63.3 in. (1609 mm)
Vehicle capacity weight (Occupants + luggage)			970 lb. (440 kg)
Trailer Weight Rating (Trailer weight + cargo weight)			2500 lb. (1135 kg)

*: Unladen vehicle

Seating capacity

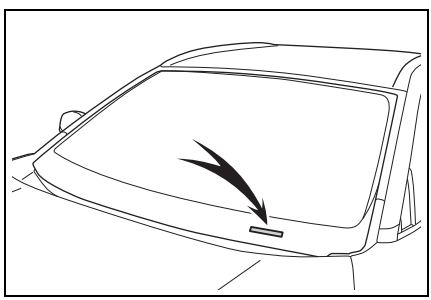
Seating capacity	5 (Front 2, Rear 3)

Vehicle identification

■ Vehicle identification number

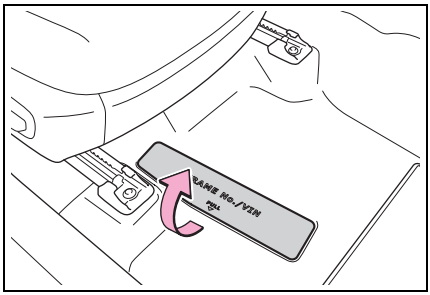
The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

This number is stamped on the top left of the instrument panel.

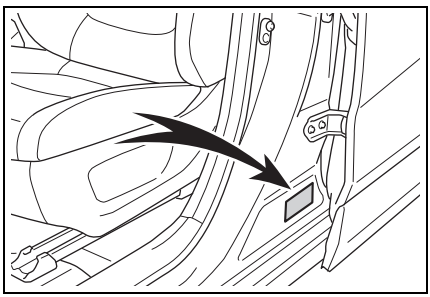


This number is also stamped

under the right-hand front seat.

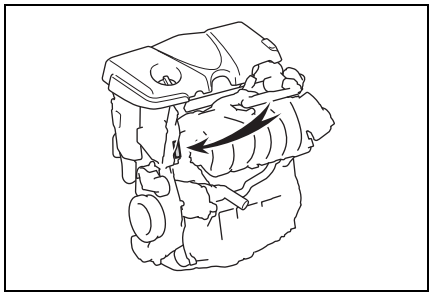


This number is also on the Certification Regulation Label.



■ Engine number

The engine number is stamped on the engine block as shown.



Engine

Model	2.5 L 4-cylinder (A25A-FXS)
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	3.44×4.07 in. (87.50×103.48 mm)
Displacement	151.8 cu. in. (2487 cm^3)
Valve clearance	Automatic adjustment

Fuel

Fuel type	Unleaded gasoline only
Octane Rating	87 (Research Octane Number 91) or higher
Fuel tank capacity (Reference)	14.5 gal. (55 L, 12.1 Imp.gal.)

Electric motor (traction motor)

▶ Front

Type	Permanent magnet synchronous motor
Maximum output	134 kW
Maximum torque	199 ft•lbf (270 N•m, 27.5 kgf•m)

▶ Rear

Type	Permanent magnet synchronous motor
Maximum output	40 kW
Maximum torque	89.2 ft•lbf (121 N•m, 12.3 kgf•m)

Hybrid battery (traction battery)

Type	Lithium-ion battery
Voltage	3.7 V/cell
Capacity	51 Ah
Quantity	96 cells
Nominal voltage	355.2 V

Lubrication system

■ Oil capacity (Drain and refill — reference*)

With filter	4.8 qt. (4.5 L, 4.0 Imp. qt.)
Without filter	4.4 qt. (4.2 L, 3.7 Imp. qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the hybrid system, wait more than 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection

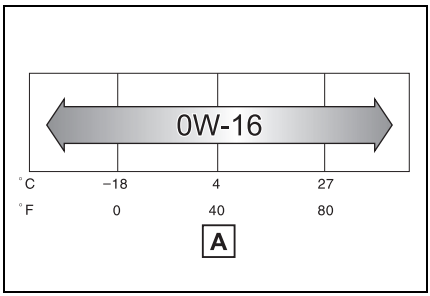
"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

Oil grade:
API SN/RC multigrade engine oil

Recommended viscosity:
SAE 0W-16

SAE 0W-16 is the best choice for good fuel economy and good starting in cold weather.

If SAE 0W-16 is not available, SAE 0W-20 oil may be used. However, it must be replaced with SAE 0W-16 at the next oil change.



A Outside temperature

Oil viscosity (0W-16 is explained here as an example):

- The 0W in 0W-16 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 16 in 0W-16 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container label:

API registered mark is added to some oil containers to help you select the oil you should use.

Cooling system

Capacity*	Gasoline engine	8.7 qt. (8.2 L, 7.2 Imp. qt.)
	Power control unit	2.1 qt. (2.0 L, 1.8 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.

*: The coolant capacity is the quantity of reference.

If replacement is necessary, contact your Toyota dealer.

Ignition system (spark plug)

Make	DENSO FC16HR-Q8
Gap	0.031 in. (0.8 mm)

NOTICE

■ Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

Electrical system (12-volt battery)

Specific voltage reading at 68°F (20°C):		12.0 V or higher (Turn the power switch to OFF and turn on the high beam headlights for 30 seconds.) If the voltage is lower than the standard value, charge the battery.
Charging rates	Quick charge	15 A max.
	Slow charge	5 A max.

Hybrid transmission

Fluid capacity*	4.6 qt. (4.4 L, 3.9 Imp.qt.)
Fluid type	Toyota Genuine ATF WS

*: The fluid capacity is the quantity of reference.
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.

Rear differential (rear electric motor)

Fluid capacity*	1.8 qt. (1.7 L, 1.5 Imp.qt.)
Fluid type	Toyota Genuine ATF WS

*: The fluid capacity is the quantity of reference.
If replacement is necessary, contact your Toyota dealer.

NOTICE

■ Rear differential fluid type

Using differential fluid other than the above type may cause abnormal noise or vibration, or ultimately damage the differential of your vehicle.

Brakes

Pedal clearance*	5.0 in. (128 mm) Min.
Pedal free play	0.04 — 0.24 in. (1.0 — 6.0 mm)
Brake pad wear limit	0.04 in. (1.0 mm)
Fluid type	FMVSS No.116 DOT 3 or SAE J1703 FMVSS No.116 DOT 4 or SAE J1704

*: Minimum pedal clearance when depressed with a force of 67.4 lbf (300 N, 30.5 kgf) while the hybrid system is operating.

Steering

Free play	Less than 1.2 in. (30 mm)

Tires and wheels

▶ Vehicles with 18-inch wheels

Tire size	225/60R18 100H, T165/80R17 104M (spare)
Tire inflation pressure (Recommended cold tire inflation pressure)	Front: 33 psi (230 kPa, 2.3 kgf/cm^2 or bar) Rear: 33 psi (230 kPa, 2.3 kgf/cm^2 or bar) Spare: 60 psi (420 kPa, 4.2 kgf/cm^2 or bar)
Wheel size	18 x 7J, 17 x 4T (spare)
Wheel nut torque	76 ft•lbf (103 N•m, 10.5 kgf•m)

▶ Vehicles with 19-inch wheels

Tire size	235/55R19 101V, T165/90D18 107M (spare)
Tire inflation pressure (Recommended cold tire inflation pressure)	Front: 35 psi (240 kPa, 2.4 kgf/cm^2 or bar) Rear: 35 psi (240 kPa, 2.4 kgf/cm^2 or bar) Spare: 60 psi (420 kPa, 4.2 kgf/cm^2 or bar)
Wheel size	19 × 7 1/2J, 18 × 4T (spare)
Wheel nut torque	76 ft•lbf (103 N•m, 10.5 kgf•m)

Light bulbs

Light bulbs		Bulb No.	W	Type
Exterior	Front side marker lights	W5W	5	A
	Front turn signal lights (→P.497)	7444NA	28/8[*1]	B
	Rear turn signal lights	WY21W	21	B
	Back-up lights	W16W	16	A
	Outer foot lights[*2]	—	5	A
Interior	Vanity lights	—	8	A
	Interior lights (front)/personal lights	—	5	A
	Interior light (rear)	—	8	C
	Luggage compartment light	—	5	A

A: Wedge base bulbs (clear)

B: Wedge base bulbs (amber)

C: Double end bulbs (clear)

[*1]: The 28/8 W bulb is used. However, only the 28 W filament illuminates.

[*2]: If equipped

Fuel information

You must only use unleaded gasoline in your vehicle.

Select octane rating 87 (Research Octane Number 91) or higher. Use of unleaded gasoline with an octane rating lower than 87 may result in engine knocking. Persistent knocking can lead to engine damage.

At minimum, the gasoline you use should meet the specifications of ASTM D4814 in the U.S.A..

■ Gasoline quality

In very few cases, driveability problems may be caused by the brand of gasoline you are using. If driveability problems persist, try changing the brand of gasoline. If this does not correct the problem, consult your Toyota dealer.

■ Recommendation of the use of gasoline containing detergent additives

- Toyota recommends the use of gasoline that contains detergent additives to avoid the build-up of engine deposits.
- All gasoline sold in the U.S.A. contains minimum detergent additives to clean and/or keep clean intake systems, per EPA's lowest additives concentration program.
- Toyota strongly recommends the use of Top Tier Detergent Gasoline. For more information on Top Tier Detergent Gasoline and a list of marketers, please go to the official website www.toptiergas.com.

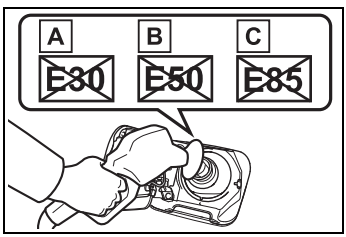
■ Recommendation of the use of low emissions gasoline

Gasolines containing oxygenates such as ethers and ethanol, as well as reformulated gasolines, are available in some cities. These fuels are typically acceptable for use, providing they meet other fuel requirements.

Toyota recommends these fuels, since the formulations allow for reduced vehicle emissions.

■ Non-recommendation of the use of blended gasoline

- Use only gasoline containing up to 15% ethanol.
  DO NOT use any flex-fuel or gasoline that could contain more than 15% ethanol, including from any pump labeled E30 (30% ethanol A), E50 (50% ethanol B), E85 (85% ethanol C) (which are only some examples of fuel containing more than 15% ethanol).



- If you use gasohol in your vehicle, be sure that it has an octane rating no lower than 87.
- Toyota does not recommend the use of gasoline containing methanol.

■ Non-recommendation of the use of gasoline containing MMT

Some gasoline contains an octane enhancing additive called MMT (Methylcyclopentadienyl Manganese Tricarbonyl).

Toyota does not recommend the use of gasoline that contains MMT. If fuel containing MMT is used, your

emission control system may be adversely affected.

The malfunction indicator lamp on the instrument cluster may come on. If this happens, contact your Toyota dealer for service.

■ 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 leaded gasoline. Leaded gasoline can cause damage to your vehicle's three-way catalytic converters causing the emission control system to malfunction.
- Do not use gasohol other than the type previously stated. Other gasohol may cause fuel system damage or vehicle performance problems.
- Using unleaded gasoline with an octane number or rating lower than the level previously stated will cause persistent heavy knocking.
  At worst, this will lead to engine damage.

■ Fuel-related poor driveability

If poor driveability (poor hot starting, vaporization, engine knocking, etc.) is encountered after using a different type of fuel, discontinue the use of that type of fuel.

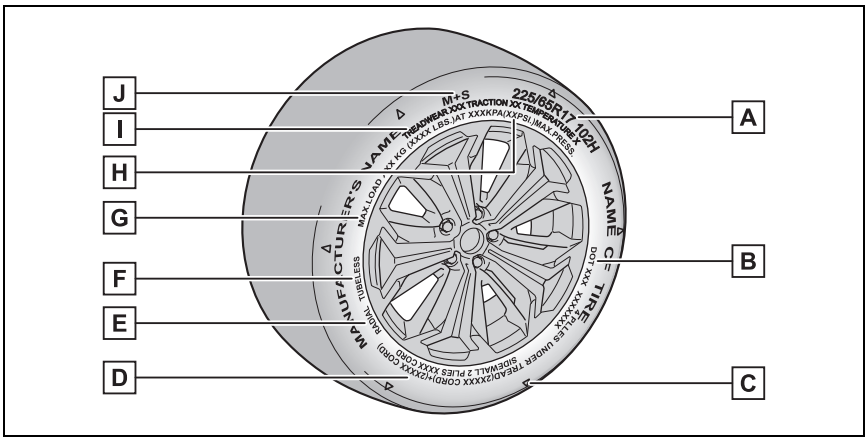
■ When refueling with gasohol

Take care not to spill gasohol. It can damage your vehicle's paint.

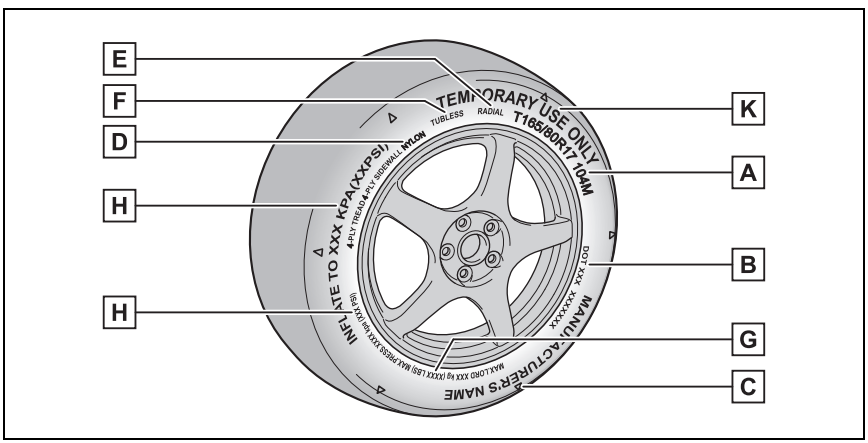
Tire information

Typical tire symbols

▶ Full-size tire



▶ Compact spare tire



A Tire size (→P.561)

B DOT and Tire Identification Number (TIN) (→P.560)

C Location of treadwear indicators (→P.468)

D Tire ply composition and materials

Plies are layers of rubber-coated parallel cords. Cords are the strands which form the plies in a tire.

E Radial tires or bias-ply tires

A radial tire has “RADIAL” on the sidewall. A tire not marked “RADIAL” is a bias-ply tire.

F TUBELESS or TUBE TYPE

A tubeless tire does not have a tube and air is directly put into the tire. A tube type tire has a tube inside the tire and the tube maintains the air pressure.

G Load limit at maximum cold tire inflation pressure (→P.563)

H Maximum cold tire inflation pressure (→P.563)

This means the pressure to which a tire may be inflated.

I Uniform tire quality grading

For details, see “Uniform Tire Quality Grading” that follows.

J Summer tires or all season tires (→P.469)

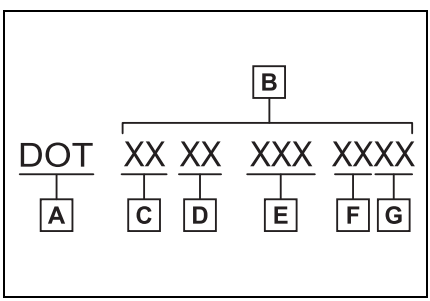
An all season tire has “M+S” on the sidewall. A tire not marked “M+S” is a summer tire.

K “TEMPORARY USE ONLY”

A compact spare tire is identified by the phrase “TEMPORARY USE ONLY” molded on its sidewall. This tire is designed for temporary emergency use only.

Typical DOT and Tire Identification Number (TIN)

▶ Type A



A DOT symbol*

B Tire Identification Number (TIN)

C Tire manufacturer’s identification mark

D Tire size code

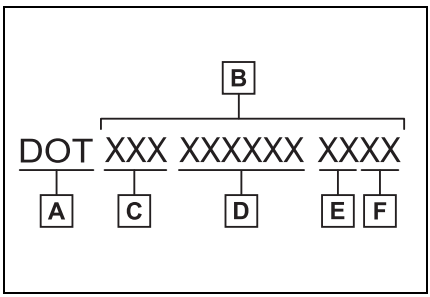
E Manufacturer’s optional tire type code (3 or 4 letters)

F Manufacturing week

G Manufacturing year

*: The DOT symbol certifies that the tire conforms to applicable Federal Motor Vehicle Safety Standards.

▶ Type B



A DOT symbol*

B Tire Identification Number (TIN)

C Tire manufacturer's identification mark

D Manufacturer's code

E Manufacturing week

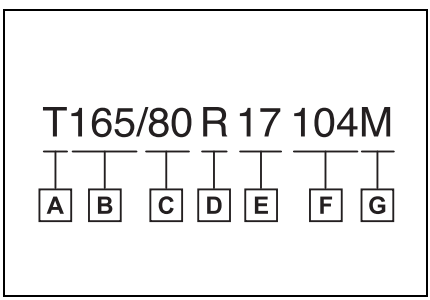
F Manufacturing year

*: The DOT symbol certifies that the tire conforms to applicable Federal Motor Vehicle Safety Standards.

Tire size

■ Typical tire size information

The illustration indicates typical tire size.



A Tire use (P = Passenger car, T = Temporary use)

B Section width (millimeters)

C Aspect ratio (tire height to section width)

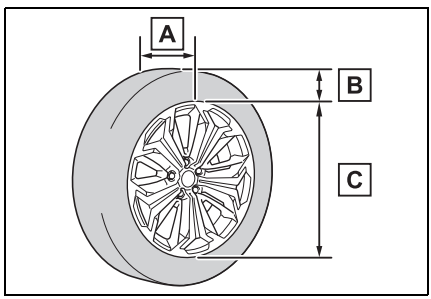
D Tire construction code (R = Radial, D = Diagonal)

E Wheel diameter (inches)

F Load index (2 digits or 3 digits)

G Speed symbol (alphabet with one letter)

■ Tire dimensions

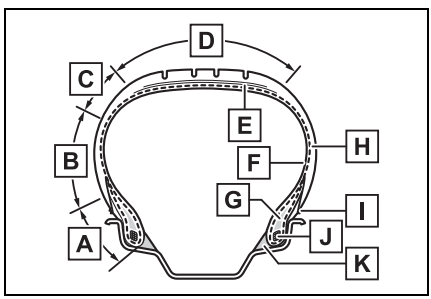


A Section width

B Tire height

C Wheel diameter

Tire section names



A Bead

B Sidewall

C Shoulder

D Tread

E Belt

F Inner liner

G Reinforcing rubber

H Carcass

I Rim lines

J Bead wires

K Chafer

Uniform Tire Quality Grading

This information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S. Department of Transportation.

It provides the purchasers and/or prospective purchasers of Toyota vehicles with information on uniform tire quality grading.

Your Toyota dealer will help answer any questions you may have as you read this information.

■ DOT quality grades

All passenger vehicle tires must conform to Federal Safety Requirements in addition to these grades. Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example: Treadwear 200 Traction AA Temperature A

■ Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.

For example, a tire graded 150 would wear one and a half (1 - 1/2) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use. Performance may differ significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

■ Traction AA, A, B, C

The traction grades, from highest to lowest, are AA, A, B and C, and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete.

A tire marked C may have poor traction performance.

Warning: The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

■ Temperature A, B, C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

Grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109.

Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning: The temperature grades of a tire assume that it is properly inflated and not overloaded.

Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Glossary of tire terminology

Tire related term	Meaning
Cold tire inflation pressure	Tire pressure when the vehicle has been parked for three hours or more, or has not been driven more than 1 mile or 1.5 km under that condition
Maximum inflation pressure	The maximum cold inflated pressure to which a tire may be inflated, shown on the sidewall of the tire
Recommended inflation pressure	Cold tire inflation pressure recommended by a manufacturer
Accessory weight	The combined weight (in excess of those standard items which may be replaced) of transmission, power steering, power brakes, power windows, power seats, radio and heater, to the extent that these items are available as factory-installed equipment (whether installed or not)
Curb weight	The weight of a motor vehicle with standard equipment, including the maximum capacity of fuel, oil and coolant, and if so equipped, air conditioning and additional weight optional engine

Tire related term	Meaning
Maximum loaded vehicle weight	The sum of: (a) Curb weight (b) Accessory weight (c) Vehicle capacity weight (d) Production options weight
Normal occupant weight	150 lb. (68 kg) times the number of occupants specified in the second column of Table 1* that follows
Occupant distribution	Distribution of occupants in a vehicle as specified in the third column of Table 1* below
Production options weight	The combined weight of installed regular production options weighing over 5 lb. (2.3 kg) in excess of the standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim
Rim	A metal support for a tire or a tire and tube assembly upon which the tire beads are seated
Rim diameter (Wheel diameter)	Nominal diameter of the bead seat
Rim size designation	Rim diameter and width
Rim type designation	The industry manufacturer's designation for a rim by style or code
Rim width	Nominal distance between rim flanges
Vehicle capacity weight (Total load capacity)	The rated cargo and luggage load plus 150 lb. (68 kg) times the vehicle's designated seating capacity
Vehicle maximum load on the tire	The load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight, and dividing by two
Vehicle normal load on the tire	The load on an individual tire that is determined by distributing to each axle its share of curb weight, accessory weight, and normal occupant weight (distributed in accordance with Table 1* below), and dividing by two

Tire related term	Meaning
Weather side	The surface area of the rim not covered by the inflated tire
Bead	The part of the tire that is made of steel wires, wrapped or reinforced by ply cords and that is shaped to fit the rim
Bead separation	A breakdown of the bond between components in the bead
Bias ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at alternate angles substantially less than 90 degrees to the center-line of the tread
Carcass	The tire structure, except tread and sidewall rubber which, when inflated, bears the load
Chunking	The breaking away of pieces of the tread or sidewall
Cord	The strands forming the plies in the tire
Cord separation	The parting of cords from adjacent rubber compounds
Cracking	Any parting within the tread, sidewall, or innerliner of the tire extending to cord material
CT	A pneumatic tire with an inverted flange tire and rim system in which the rim is designed with rim flanges pointed radially inward and the tire is designed to fit on the underside of the rim in a manner that encloses the rim flanges inside the air cavity of the tire
Extra load tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Groove	The space between two adjacent tread ribs
Innerliner	The layer(s) forming the inside surface of a tubeless tire that contains the inflating medium within the tire
Innerliner separation	The parting of the innerliner from cord material in the carcass

Tire related term	Meaning
Intended outboard sidewall	(a)The sidewall that contains a whitewall, bears white lettering, or bears manufacturer, brand, and/or model name molding that is higher or deeper than the same molding on the other sidewall of the tire, or (b)The outward facing sidewall of an asymmetrical tire that has a particular side that must always face outward when mounted on a vehicle
Light truck (LT) tire	A tire designated by its manufacturer as primarily intended for use on lightweight trucks or multipurpose passenger vehicles
Load rating	The maximum load that a tire is rated to carry for a given inflation pressure
Maximum load rating	The load rating for a tire at the maximum permissible inflation pressure for that tire
Maximum permissible inflation pressure	The maximum cold inflation pressure to which a tire may be inflated
Measuring rim	The rim on which a tire is fitted for physical dimension requirements
Open splice	Any parting at any junction of tread, sidewall, or innerliner that extends to cord material
Outer diameter	The overall diameter of an inflated new tire
Overall width	The linear distance between the exteriors of the sidewalls of an inflated tire, including elevations due to labeling, decorations, or protective bands or ribs
Passenger car tire	A tire intended for use on passenger cars, multipurpose passenger vehicles, and trucks, that have a gross vehicle weight rating (GVWR) of 10,000 lb. or less.
Ply	A layer of rubber-coated parallel cords
Ply separation	A parting of rubber compound between adjacent plies

Tire related term	Meaning
Pneumatic tire	A mechanical device made of rubber, chemicals, fabric and steel or other materials, that, when mounted on an automotive wheel, provides the traction and contains the gas or fluid that sustains the load
Radial ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at substantially 90 degrees to the centerline of the tread
Reinforced tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Section width	The linear distance between the exteriors of the sidewalls of an inflated tire, excluding elevations due to labeling, decoration, or protective bands
Sidewall	That portion of a tire between the tread and bead
Sidewall separation	The parting of the rubber compound from the cord material in the sidewall
Snow tire	A tire that attains a traction index equal to or greater than 110, compared to the ASTM E-1136 Standard Reference Test Tire, when using the snow traction test as described in ASTM F-1805-00, Standard Test Method for Single Wheel Driving Traction in a Straight Line on Snow-and Ice-Covered Surfaces, and which is marked with an Alpine Symbol ( ) on at least one sidewall
Test rim	The rim on which a tire is fitted for testing, and may be any rim listed as appropriate for use with that tire
Tread	That portion of a tire that comes into contact with the road
Tread rib	A tread section running circumferentially around a tire
Tread separation	Pulling away of the tread from the tire carcass

Tire related term	Meaning
Treadwear indicators (TWI)	The projections within the principal grooves designed to give a visual indication of the degrees of wear of the tread
Wheel-holding fixture	The fixture used to hold the wheel and tire assembly securely during testing

*: Table 1 — Occupant loading and distribution for vehicle normal load for various designated seating capacities

Designated seating capacity, Number of occupants	Vehicle normal load, Number of occupants	Occupant distribution in a normally loaded vehicle
2 through 4	2	2 in front
5 through 10	3	2 in front, 1 in second seat
11 through 15	5	2 in front, 1 in second seat, 1 in third seat, 1 in fourth seat
16 through 20	7	2 in front, 2 in second seat, 2 in third seat, 1 in fourth seat

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. The settings of these features can be changed using the multi-information display, navigation/multimedia system, or at your Toyota dealer.

Customizing vehicle features

■ Changing using the navigation/multimedia system

1 Press the “MENU” button.

2 Select “Setup” on the menu screen and select “Vehicle”.

3 Select “Vehicle Customization”.

Various setting can be changed. Refer to the list of settings that can be changed for details.

■ Changing using the multi-information display

1 Press ◀ or ▶ of the meter control switches and select ⚙.

2 Press ▲ or ▼ of the meter control switches, select the item.

3 To switch the function on and off, press OK to switch to the desired setting.

4 To perform detailed setting of functions that support detailed settings, press and hold OK and display the setting screen.

The method of performing detailed setting differs for each screen. Please refer to the advice sentence displayed on the screen.

To go back to the previous screen or exit the customize mode, press ⮌.

■ When customizing using the navigation/multimedia system or multi-information display

Stop the vehicle in a safe place, apply the parking brake, and shift the shift lever to P. Also, to prevent 12-volt battery discharge, leave the hybrid system operating while customizing the features.

⚠ 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 Vehicles with navigation system or multimedia system: Settings that can be changed using the navigation system or multimedia system

B Settings that can be changed using the multi-information display

C Settings that can be changed by your Toyota dealer

Definition of symbols: O = Available, – =Not available

■ Charging system (→P.112, 115)

Function	Default setting	Customized setting	A	B	C
“Charging Current”	MAX	8A	–	O	–
		16A*			
“Battery Heater”	On	Off	–	O	–
“Battery Cooler”	On	Off	–	O	–

*: Vehicles with 6.6 kW onboard traction battery charger only

■ Gauges, meters and multi-information display (→P.165, 170)

Function*1	Default setting	Customized setting	A	B	C
Language*2	“English” (English)	“Français canadien” (Canadian French)	O	O	–
		“Español mexicano” (Mexican Spanish)			

Function[*1]	Default setting	Customized setting	A	B	C
Units[*2]	miles (MPG US, miles/kWh)	km (km/L, km/kWh)	O	O	–
		km (L/100km, kWh/100km)			
		miles (MPG UK, miles/kWh)			
Speedometer display	Analog	Digital	–	O	–
EV indicator	On	Off	–	O	–
“Eco Guidance” (ECO Accelerator Guidance)	On	Off	–	O	–
“Fuel Economy”	“Total Average”	“Trip Average”	–	O	–
		“Tank Average”			
“Power Consumption”	“Total Average”	“Trip Average”	–	O	–
Audio system linked display	On	Off	–	O	–
Energy monitor	On	Off	–	O	–
AWD system display	On	Off	–	O	–
Drive information type	Trip	Total	–	O	–
Drive information items (first item)	Distance	Average Speed	–	O	–
		Total Time			
Drive information items (second item)	Total Time	Average Speed	–	O	–
		Distance			
“Closing Display”	“ECO Score”	“Drive Info”	–	O	–
		“Charging Schedule”			
Pop-up display	On	Off	–	O	–
Calendar[*3]	–	–	–	O	–

Function[*1]	Default setting	Customized setting	A	B	C
Multi-Information display off	Off	On	–	O	–
Suggestion function	On	On (when the vehicle is stopped)	O	–	O
		Off			

[*1]: For details about each function: →P.177

[*2]: The default setting varies according to country.

[*3]: This can only be set if GPS calibration of clock is turned off in the multi-media system settings.

■ Head-up display[*1] (→P.182)

Function[*2]	Default setting	Customized setting	A	B	C
Head-up display	On	Off	–	O	–
Gauge information	Hybrid System Indicator	Tachometer	–	O	–
		No content			
Route guidance to destination/street name[*1]	On	Off	–	O	–
Driving support system information display	On	Off	–	O	–
Compass[*1]	On	Off	–	O	–
Audio system operation status[*1]	On	Off	–	O	–

[*1]: If equipped

[*2]: For details about each function: P.184

■ **Door lock (→P.198, 537)**

Function	Default setting	Customized setting	A	B	C
Unlocking using a key	Driver's door unlocked in first step, all doors unlocked in second step	All doors unlocked in first step	–	–	O
Automatic door locking function	Shift position linked door locking operation	Off	O	–	O
		Speed linked door locking operation			
Automatic door unlocking function	Shift position linked door unlocking operation	Off	O	–	O
		Driver's door linked door unlocking operation			

■ **Smart key system and wireless remote control (→P.196, 217)**

Function	Default setting	Customized setting	A	B	C
Operation signal (emergency flashers)	On	Off	O	–	O
Operation buzzer volume	5	Off	O	–	O
		1 to 7			
Time elapsed before the automatic door lock function is activated if a door is not opened after being unlocked	60 seconds	Off	O	–	O
		30 seconds			
		120 seconds			
Open door reminder buzzer (When locking the vehicle)	On	Off	–	–	O

■ **Smart key system (→P.217)**

Function	Default setting	Customized setting	A	B	C
Smart key system	On	Off	–	–	O
Smart door unlocking	Driver's door	All the doors	O	–	O
Number of consecutive door lock operations	2 times	As many as desired	–	–	O
Time elapsed before unlocking all the door when gripping and holding the driver's door handle*	2 seconds	Off	–	–	O
		1.5 seconds			
		2.5 seconds			
Power switch illumination	On	Off	–	–	O

*: This setting can be changed when the smart door unlocking setting is set to Driver's door.

■ **Wireless remote control (→P.196)**

Function	Default setting	Customized setting	A	B	C
Wireless remote control	On	Off	–	–	O
Unlocking operation	Driver's door unlocked in first step, all doors unlocked in second step	All doors unlocked in first step	O	–	O
Theft deterrent panic mode	On	Off	–	–	O
Locking operation when door opened	On	Off	O	–	O
The function that activates the switch of the wireless remote control when locking the door* (→P.207)	On (Unlocking all the door)	Off	–	–	O
		On (Unlocking back door only)			

*: If equipped

■ Rear seat reminder function (→P.200)

Function	Default setting	Customized setting	A	B	C
Rear seat reminder function	On	Off	–	O	–

■ Power back door*1 (→P.207)

Function	Default setting	Customized setting	A	B	C
Power back door operations	On	Off	–	O	–
Back door opener switch operations	Press and hold	One short press	–	–	O
switch of the wireless remote control operation	Press and hold	One short press	–	–	O
		Push twice			
		Off			
Operation buzzer volume	3	1	–	O	–
		2			
Operation buzzer while the back door is operating*2	Off	On	–	–	O
Opening angle	5	1 to 4	–	O	–
		User setting*3			
Power back door open operation when the back door opener switch is pressed	On	Off	–	–	O
Back door closing assist	On	Off	–	–	O
Hands Free Power Back Door*1, 4	On	Off	–	O	O

*1: If equipped

*2: The operation buzzer that sounds when the back door begins to operate cannot be turned off.

*3: The open position is set by the power back door switch. (→P.216)

*4: When the towing hitch is installed, Hands Free Power Back Door does not work.

■ **Driving position memory* (→P.227)**

Function	Default setting	Customized setting	A	B	C
Selection the door linking driving position memory with door unlock operation	Driver's door	All doors	–	–	O
Function to prevent contact between the head restraint and ceiling (while moving to memory location)	On	Off	–	–	O

*: If equipped

■ **Power windows, and moon roof* or panoramic moon roof* (→P.246, 249, 252)**

Function	Default setting	Customized setting	A	B	C
Key linked operation (open)	Off	On	–	–	O
Key linked operation (close)	Off	On	–	–	O
Wireless remote control linked operation (open)	Off	On	–	–	O
Wireless remote control linked operation signal (buzzer)	On	Off	–	–	O
Side windows open warning function	On	Off	–	–	O
Sliding roof open warning function	On	Off	–	–	O

*: If equipped

■ **Lights (→P.295)**

Function	Default setting	Customized setting	A	B	C
Daytime Running Lights*1	On	Off	O	–	O
Light reminder buzzer	On	Off	–	–	O
AFS (Adaptive Front-lighting System)*2	On	Off	–	–	O

*1: Except for Canada

*2: If equipped

■ **Automatic light control system* (→P.295)**

Function	Default setting	Customized setting	A	B	C
Light sensor sensitivity	Standard	–2 to 2	O	–	O
Time elapsed before headlights automatically turn off after doors are closed	30 seconds	Off	O	–	O
		60 seconds			
		90 seconds			
Windshield wiper linked headlight illumination	On	Off	–	–	O

*: If equipped

■ **Rear window wiper (→P.304)**

Function	Default setting	Customized setting	A	B	C
Back door opening linked rear window wiper stop function	Off	On	–	–	O
Washer linked rear window wiper operation	On	Off	–	–	O
Shift position linked rear window wiper operation (→P.305)	Only once	Off	–	–	O
		Continuous			

■ **PCS (Pre-Collision System) (→P.315)**

Function	Default setting	Customized setting	A	B	C
PCS (Pre-Collision System)	On	Off	–	O	–
Adjust alert timing	Middle	Early	–	O	–
		Late			

■ **LTA (Lane Tracing Assist) (→P.323)**

Function	Default setting	Customized setting	A	B	C
Lane centering function	On	Off	–	O	–
Steering assist function	On	Off	–	O	–
Alert type	Steering wheel vibration	Buzzer	–	O	–
Alert sensitivity	High	Standard	–	O	–
Vehicle sway warning function	On	Off	–	O	–
Vehicle sway warning sensitivity	Standard	Low	–	O	–
		High			

■ **RSA (Road Sign Assist)* (→P.333)**

Function	Default setting	Customized setting	A	B	C
RSA (Road Sign Assist)	On	Off	–	O	–
Excess speed notification method	Display only	No notification	–	O	–
		Display and buzzer			
Excess speed notification level	1 mph (2 km/h)	3 mph (5 km/h)	–	O	–
		5 mph (10 km/h)			
Other notifications method (No-entry notification)	Display only	No notification	–	O	–
		Display and buzzer			

*: If equipped

■ **BSM (Blind Spot Monitor) (→P.347)**

Function	Default setting	Customized setting	A	B	C
BSM (Blind Spot Monitor)	On	Off	–	O	–
Outside rear view mirror indicator brightness	Bright	Dim	–	O	–

Function	Default setting	Customized setting	A	B	C
Alert timing for presence of approaching vehicle (sensitivity)	Intermediate	Early	–	O	–
		Late			
		Only when vehicle detected in blind spot			

■ RCTA (Rear cross traffic alert) function*1 (→P.347)

Function	Default setting	Customized setting	A	B	C
RCTA (Rear cross traffic alert) function	On	Off	–	O	–
Buzzer volume*2	Level 2	Level 1	–	O	–
		Level 3			

*1: If equipped

*2: This setting is linked with the buzzer volume of the intuitive parking assist.

■ Intuitive parking assist*1 (→P.356)

Function	Default setting	Customized setting	A	B	C
Intuitive parking assist	On	Off	–	O	O
Buzzer volume*2	2	1	–	O	O
		3			

*1: If equipped

*2: This setting is linked with the buzzer volume of the RCTA (Rear cross traffic alert) function.

■ PKSB (Parking Support Brake)* (→P.363)

Function	Default setting	Customized setting	A	B	C
PKSB (Parking Support Brake) function	On	Off	–	O	–

*: If equipped

■ **Automatic air conditioning system (→P.396)**

Function	Default setting	Customized setting	A	B	C
A/C Auto switch operation	On	Off	O	–	O
Switching to the outside air mode when the vehicle is parked	On	Off	–	–	O

■ **Seat ventilators* (→P.407)**

Function	Default setting	Customized setting	A	B	C
Blower level	Normal	Decrease	–	–	O

*: If equipped

■ **Remote Air Conditioning System (→P.405)**

Function	Default setting	Customized setting	A	B	C
Operation using the “A/C” button on the wireless remote control	Press and hold (short)	Press once	–	–	O
		Press twice			
		Press and hold (long)			
		Off			
Stopping operation using the “A/C” button on the wireless remote control	Press twice	Press once	–	–	O
		Press and hold (short)			
		Press and hold (long)			
		Off			

■ Illumination (→P.410)

Function	Default setting	Customized setting	A	B	C
Time elapsed before the interior lights turn off	15 seconds	Off	O	–	O
		7.5 seconds			
		30 seconds			
Operation after the power switch is turned off	On	Off	–	–	O
Operation when the doors are unlocked	On	Off	–	–	O
Operation when you approach the vehicle with the electronic key on your person	On	Off	–	–	O
Footwell lighting*	On	Off	–	–	O

*: If equipped

■ Vehicle customization

- When the speed linked door locking function and shift position linked door locking function are both on, the door lock operates as follows.
  - If the vehicle is started with all the doors locked, the speed linked door locking function would not operate.
  - If the vehicle is started with any door unlocked, the speed linked door locking function will operate.
  - When shifting the shift lever to any position other than P, all the doors will be locked.
- When the smart key system is off, the selecting door to unlock 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 signal (buzzer) and the Operation signal (emergency flashers) settings.

Items to initialize

The following items must be initialized for normal system operation after such cases as the battery being reconnected, or maintenance being performed on the vehicle:

List of the items to initialize

Item	When to initialize	Reference
Power back door*1	• After reconnecting or changing the 12-volt battery • After changing a fuse	P.212
Power windows	• When functioning abnormally	P.246
Moon roof*1		P.250
Panoramic moon roof*1		P.253
Maintenance required reminder message	• After the maintenance is performed	P.450
Tire pressure warning system	• When rotating the tires • When changing the tire • After registering the ID codes	P.474
Toyota parking assist monitor*1	• After reconnecting or changing the 12-volt battery • After changing a fuse	Refer to "NAVIGATION AND MULTIMEDIA SYSTEM OWNER'S MANUAL"
Panoramic view monitor*1, 2		

*1: If equipped

*2: Vehicles with Audio Plus or Premium Audio

10-1.For owners

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Reporting safety defects for U.S. owners

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Toyota Motor Sales, U.S.A., Inc. (Toll-free: 1-800-331-4331).

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Toyota Motor Sales, U.S.A., Inc.

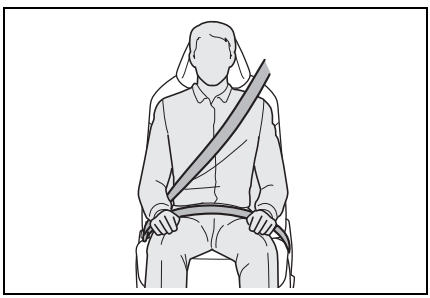
To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to *http://www.safercar.gov*; or write to: Administrator, NHTSA, 1200 New Jersey Ave. S.E., Washington, DC 20590. You can also obtain other information about motor vehicle safety from *http://www.safercar.gov*.

Seat belt instructions for Canadian owners (in French)

The following is a French explanation of seat belt instructions extracted from the seat belt section in this manual.

See the seat belt section for more detailed seat belt instructions in English.

Utilisation adéquate des ceintures de sécurité



- Tirez sur la ceinture épaulière jusqu'à ce qu'elle recouvre entièrement l'épaule; elle ne doit cependant pas toucher le cou ni glisser de l'épaule.
- Placez la ceinture abdominale le plus bas possible sur les hanches.
- Réglez la position du dossier. Tenez-vous assis bien au fond du siège, le dos droit.
- Ne vrillez pas la ceinture de sécurité.

Entretien et soin

■ Manipulation des ceintures de sécurité

Avec un chiffon ou une éponge, nettoyez à l'aide d'un savon doux et de l'eau tiède. Vérifiez aussi les ceintures régulièrement pour vous assurer qu'elles ne présentent pas d'usure excessive, d'effilochage ou de coupures.

⚠ AVERTISSEMENT

■ Dommages et usure de la ceinture de sécurité

Vérifiez périodiquement le système de ceintures de sécurité. Vérifiez qu'il n'y a pas de coupures, d'effilochures ni de pièces desserrées. N'utilisez pas une ceinture de sécurité endommagée avant qu'elle ne soit remplacée. Les ceintures de sécurité endommagées ne peuvent pas protéger les occupants contre les blessures graves, voire mortelles.

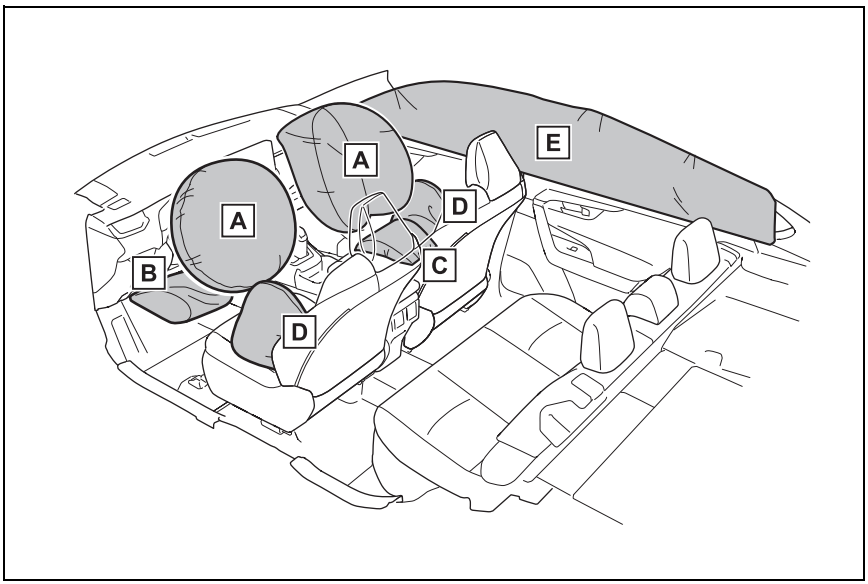
SRS airbag instructions for Canadian owners (in French)

The following is a French explanation of SRS airbag instructions extracted from the SRS airbag section in this manual.

See the SRS airbag section for more detailed SRS airbag instructions in English.

Système de coussins gonflables SRS

■ Emplacement des coussins gonflables SRS



▶ Coussins gonflables SRS avant

A Coussin gonflable SRS du conducteur/coussin gonflable SRS du passager avant

Peuvent aider à protéger la tête et la poitrine du conducteur et du passager avant contre les impacts avec des composants intérieurs

B Coussin gonflable SRS de protection des genoux

Peut aider à protéger le conducteur

C Coussin gonflable SRS du coussin de siège

Peut aider à retenir le passager avant

▶ Coussins gonflables SRS latéraux et en rideau

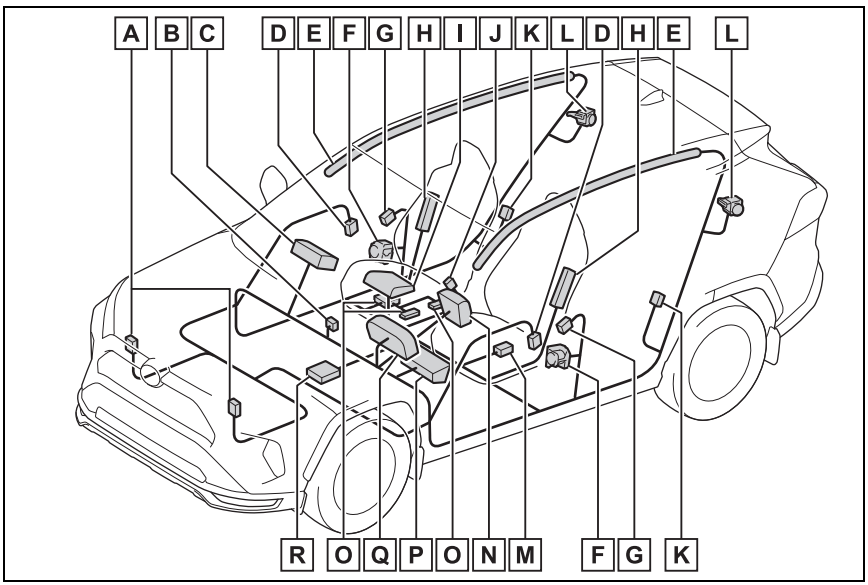
D Coussins gonflables SRS latéraux avant

Peuvent aider à protéger le torse des occupants des sièges avant

E Coussins gonflables SRS en rideau

- Peuvent aider à protéger principalement la tête des occupants des sièges latéraux
- Peuvent aider à empêcher les occupants d'être éjectés du véhicule en cas de tonneaux

■ Composants du système de coussins gonflables SRS



A Capteurs d'impact avant

B Voyants "AIR BAG ON" et "AIR BAG OFF"

C Coussin gonflable du passager avant

D Capteurs d'impact latéral (portière avant)

E Coussins gonflables en rideau

F Limiteurs de force et dispositifs de tension des ceintures de sécurité (sièges avant)

G Capteurs d'impact latéral (avant)

H Coussins gonflables latéraux

I Coussin gonflable du coussin de siège

J Contacteur de boucle de ceinture de sécurité du passager avant

K Capteurs d'impact latéral (arrière)

L Limiteurs de force et dispositifs de tension des ceintures de sécurité (sièges latéraux arrière)

M Capteur de position du siège du conducteur

N Coussin gonflable du conducteur

O Capteurs du système de classification de l'occupant du siège du passager avant

P Coussin gonflable de protection des genoux

Q Lampe témoin SRS

R Module de capteur de coussin gonflable

Votre véhicule est doté de COUSSINS GONFLABLES ÉVOLUÉS dont la conception s'appuie sur les normes de sécurité des véhicules à moteur américains (FMVSS208). Le module de capteur de coussin gonflable (ECU) contrôle le déploiement des coussins gonflables en fonction des informations obtenues des capteurs et d'autres éléments affichés dans le diagramme des composants du système ci-dessus. Ces informations comprennent des données relatives à la gravité de l'accident et aux occupants. Au moment du déploiement des coussins gonflables, une réaction chimique se produit dans les gonfleurs de coussin gonflable et les coussins gonflables se remplissent rapidement d'un gaz non toxique pour aider à limiter le mouvement des occupants.

AVERTISSEMENT

■ Précautions relatives aux coussins gonflables SRS

Observez les précautions suivantes en ce qui concerne les coussins gonflables SRS.
Négliger de le faire pourrait occasionner des blessures graves, voire mortelles.

- Le conducteur et tous les passagers du véhicule doivent porter leur ceinture de sécurité de la manière appropriée.
  Les coussins gonflables SRS sont des dispositifs supplémentaires qui doivent être utilisés avec les ceintures de sécurité.

- Le coussin gonflable SRS du conducteur se déploie avec une force considérable et peut occasionner des blessures graves, voire mortelles, notamment lorsque le conducteur se trouve très près du coussin gonflable.
  La National Highway Traffic Safety Administration (NHTSA), aux États-Unis, fait les recommandations suivantes :

La zone à risque du coussin gonflable du conducteur couvre 2 à 3 in. (50 à 75 mm) de la zone de déploiement du coussin gonflable. Pour assurer une marge de sécurité suffisante, restez à 10 in. (250 mm) du coussin gonflable. Cette distance est mesurée depuis le centre du volant jusqu'à votre sternum. Si maintenant vous vous tenez assis à moins de 10 in. (250 mm), vous pouvez changer votre position de conduite de plusieurs manières :

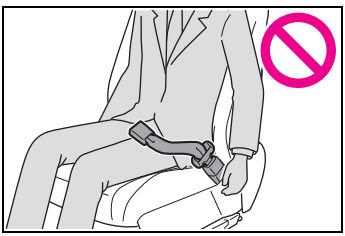
- Reculez votre siège à la position maximale vous permettant d'atteindre encore aisément les pédales.
- Inclinez légèrement le dossier du siège.
  Bien que les véhicules soient conçus différemment, la plupart des conducteurs peuvent maintenir une distance de 10 in. (250 mm), même si leur siège se trouve complètement vers l'avant, simplement en inclinant un peu le dossier du siège vers l'arrière. Si la visibilité avant est moindre après avoir incliné le dossier de votre siège, utilisez un coussin ferme et non glissant pour être assis plus haut ou relevez le siège si cette option est disponible sur votre véhicule.
- Si votre volant est réglable en hauteur, inclinez-le vers le bas. Cela vous permet d'orienter le coussin gonflable vers votre buste plutôt que vers votre tête et vers votre cou.

Le siège doit être réglé de la manière recommandée ci-dessus par la NHTSA, tout en gardant le contrôle des pédales et du volant, ainsi que la vue sur les commandes du tableau de bord.

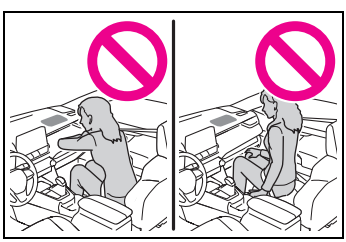
AVERTISSEMENT

- Si la rallonge de ceinture de sécurité a été reliée à la boucle de la ceinture de sécurité du siège du passager avant sans avoir aussi été attachée à la plaque de blocage des ceintures de sécurité, les coussins gonflables SRS avant considéreront que le passager avant porte tout de même sa ceinture de sécurité même si la ceinture de sécurité n'est pas attachée.

Les coussins gonflables SRS du passager avant peuvent alors ne pas s'activer correctement lors d'une collision, ce qui pourrait occasionner des blessures graves, voire mortelles, en cas de collision. Assurezvous de toujours porter la ceinture de sécurité avec la rallonge de ceinture de sécurité.

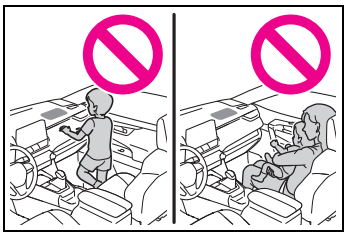


- Le coussin gonflable SRS du passager avant se déploie également avec une force considérable et peut occasionner des blessures graves, voire mortelles, notamment lorsque le passager avant se trouve très près du coussin gonflable. Le siège du passager avant doit se trouver le plus loin possible du coussin gonflable et le dossier doit être réglé de manière à ce que le passager avant soit assis bien droit.
- Le déploiement d'un coussin gonflable risque d'infliger des blessures graves, voire mortelles, aux bébés et aux enfants mal assis et/ou mal attachés. Un bébé ou un enfant trop petit pour utiliser une ceinture de sécurité doit être correctement retenu à l'aide d'un dispositif de retenue pour enfants. Toyota recommande vivement de placer et d'attacher correctement tous les bébés et tous les enfants sur les sièges arrière du véhicule à l'aide de dispositifs de retenue adaptés. Les sièges arrière sont plus sécuritaires pour les bébés et les enfants que le siège du passager avant.
- N'installez jamais un dispositif de retenue pour enfants de type dos à la route sur le siège du passager avant, même si le voyant "AIR BAG OFF" est allumé. En cas d'accident, la force et la vitesse de déploiement du coussin gonflable du passager avant pourraient infliger à l'enfant des blessures graves, voire mortelles, si le dispositif de retenue pour enfants de type dos à la route était installé sur le siège du passager avant.
- Ne vous asseyez pas sur le bord du siège et ne vous appuyez pas sur la planche de bord.



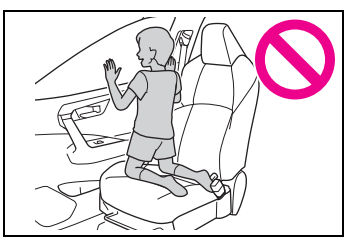
AVERTISSEMENT

- Ne laissez pas un enfant se tenir face au coussin gonflable SRS du passager avant ni s'asseoir sur les genoux d'un passager avant.

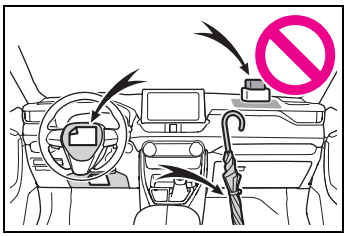


- Ne laissez pas les occupants des sièges avant tenir des objets sur leurs genoux.
- Ne vous appuyez pas sur la portière ou sur le brancard de pavillon, ni sur les montants avant, latéraux ou arrière.

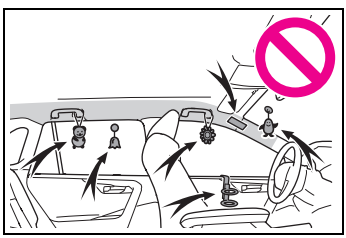
- Ne laissez personne s'agenouiller face à la portière sur le siège du passager ni sortir la tête ou les mains à l'extérieur du véhicule.



- Ne fixez et n'appuyez rien sur des zones telles que la planche de bord, le tampon de volant ou encore la partie inférieure du tableau de bord.
  Ces objets peuvent se transformer en projectiles lorsque les coussins gonflables SRS du conducteur, du passager avant et de protection des genoux se déploient.



- Ne fixez rien sur des zones telles que les portières, le pare-brise, les glaces latérales, les montants avant ou arrière, le brancard de pavillon et la poignée de maintien.



- N'accrochez pas de cintres ni d'autres objets rigides sur les crochets porte-vêtements. Tous ces objets pourraient se transformer en projectiles et vous occasionner des blessures graves, voire mortelles, en cas de déploiement des coussins gonflables SRS en rideau.
- Si un recouvrement de vinyle est placé sur la zone de déploiement du coussin gonflable SRS de protection des genoux, veillez à le retirer.

AVERTISSEMENT

- N'utilisez pas d'accessoires recouvrant les parties du siège où les coussins gonflables SRS latéraux et le coussin gonflable SRS du coussin de siège se déploient, car ces accessoires pourraient entraver le déploiement des coussins SRS. De tels accessoires peuvent empêcher les coussins gonflables latéraux et le coussin gonflable du coussin de siège de se déployer correctement, rendre le système inopérant ou provoquer accidentellement le déploiement des coussins gonflables latéraux et du coussin gonflable du coussin de siège, occasionnant des blessures graves, voire mortelles.
- Ne frappez pas et n'appliquez pas une pression importante à l'emplacement des portières avant ou des composants des coussins gonflables SRS. Cela peut provoquer un mauvais fonctionnement des coussins gonflables SRS.
- Ne touchez à aucun composant des coussins gonflables SRS immédiatement après leur déploiement (gonflage), car ils pourraient être chauds.
- Si vous avez de la difficulté à respirer après le déploiement des coussins gonflables SRS, ouvrez une portière ou une glace latérale pour laisser entrer l'air frais, ou quittez le véhicule si vous pouvez le faire en toute sécurité. Dès que possible, nettoyez tous les résidus afin d'éviter les irritations cutanées.
- Si les emplacements de stockage des coussins gonflables SRS, tels que le tampon de volant et les garnitures des montants avant et arrière, sont endommagés ou fissurés, faites-les remplacer par votre concessionnaire Toyota.
- Ne placez aucun objet, par exemple un coussin, sur le siège du passager avant. Cela disperserait le poids du passager, ce qui empêcherait le capteur de le détecter correctement. Cela pourrait empêcher le déploiement des coussins gonflables SRS du passager avant en cas de collision.

Modification et mise au rebut des composants du système de coussins gonflables SRS

Ne mettez pas votre véhicule au rebut et n'effectuez aucune des modifications suivantes sans d'abord consulter votre concessionnaire Toyota. Les coussins gonflables SRS pourraient fonctionner de manière incorrecte ou se déployer (gonfler) accidentellement, ce qui serait susceptible d'occasionner des blessures graves, voire mortelles.

- Installation, retrait, démontage et réparation des coussins gonflables SRS
- Réparations, modifications, retrait ou remplacement du volant, du tableau de bord, de la planche de bord, des sièges ou du capitonnage des sièges, des montants avant, latéraux et arrière, des brancards de pavillon, des panneaux des portières avant, des garnitures des portières avant ou des haut-parleurs des portières avant
- Modifications du panneau de la portière avant (comme le perforer)

AVERTISSEMENT

- Réparations ou modifications de l'aile avant, du pare-chocs avant ou du côté de l'habitacle
- Installation d'une protection de calandre (barre safari, barre kangourou, etc.), de lames de déneigement, de treuils ou d'un porte-bagages de toit
- Modifications du système de suspension du véhicule
- Installation d'appareils électroniques tels qu'un émetteur-récepteur radio ou un lecteur de CD
- Modifications à votre véhicule pour une personne aux capacités physiques réduites

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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 keys or mechanical keys, new genuine keys or mechanical keys can be made by your Toyota dealer. (→P.536)
- If you lose your electronic keys, the risk of vehicle theft increases significantly. Contact your Toyota dealer immediately. (→P.536)

The doors cannot be locked or unlocked

- Is the key battery weak or depleted? (→P.493)
- Is the power switch in ON? When locking the doors, turn the power switch off. (→P.283)
- 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.218)

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.202)

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.279)
- Is the shift lever in P? (→P.279)
- Is the electronic key anywhere detectable inside the vehicle? (→P.217)
- Is the steering wheel unlocked? (→P.280)
- Is the electronic key battery weak or depleted?
  In this case, the hybrid sys-

tem can be started in a temporary way. (→P.538)

- Is the 12-volt battery discharged? (→P.539)

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.286)

The steering wheel cannot be turned after the hybrid system is stopped

- It is locked automatically to prevent theft of the vehicle. (→P.280)

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.248)

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.283)

A warning buzzer sounds during driving

- The seat belt reminder light is flashing

Are the driver and the passengers wearing the seat belts? (→P.518, 519)

- The parking brake indicator is on

Is the parking brake released? (→P.290)

Depending on the situation, other types of warning buzzer may also sound. (→P.511, 523)

An alarm is activated and the horn sounds (if equipped)

- Did anyone inside the vehicle open a door during setting the alarm?
  The sensor detects it and the alarm sounds. (→P.73)

To stop the alarm, turn the power switch to ON or start the hybrid system.

A warning buzzer sounds when leaving the vehicle

- Is the message displayed on the multi-information display? Check the message on the multi-information display.

(→P.523)

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.511, 523.

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.527)

The vehicle becomes stuck

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P.548)

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For vehicles with Premium Audio with Navigation or Audio Plus, refer to "NAVIGATION AND MULTIMEDIA SYSTEM OWNER'S MANUAL" for information regarding the equipment listed below.

- Navigation system
- Audio system
- Rear view monitor system
- Toyota parking assist monitor
- Panoramic view monitor

Reporting safety defects for Canadian owners

Canadian customers who wish to report a safety-related defect to Transport Canada, Defects Investigations and Recalls, may telephone the toll-free hotline 1-800-333-0510, mail Transport Canada - ASFAD, 330 Sparks Street, Ottawa, ON, K1A 0N5, or complete the online form at https://www.tc.gc.ca/recalls.

Signalement de défauts liés à la sécurité pour les propriétaires au Canada

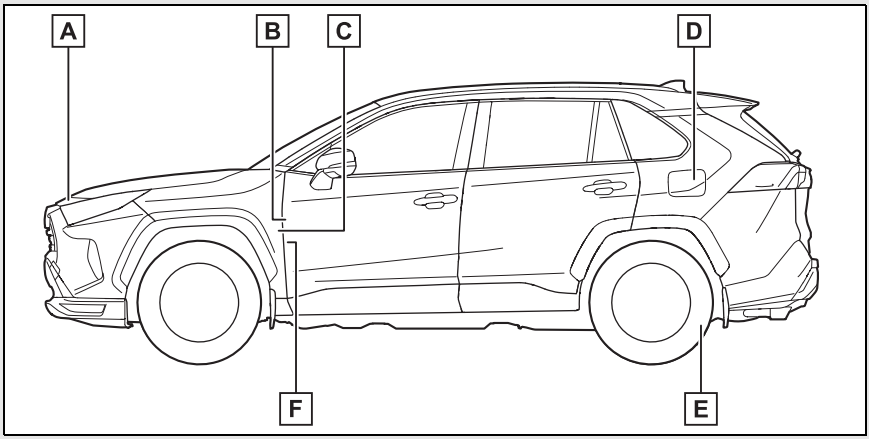
Les clients du Canada souhaitant signaler un défaut lié à la sécurité à la Division des rappels et des enquêtes sur les défauts de Transports Canada peuvent téléphoner sans frais à la hotline 1-800-333-0510, adresser un courrier à Transports Canada - ASFAD, 330 rue Sparks, Ottawa, ON, K1A 0N5 ou remplir le formulaire en ligne à l'adresse https://www.tc.gc.ca/rappels.

Certification for the Intuitive parking assist* (except for Canada)

*: If equipped

Product name : Intuitive parking assist
Compliance statement : This device complies with part 18 of the FCC Rules.
Responsible Party : DENSO International America, Inc.
24777 Denso Drive, P.O. Box 5047, Southfield,
Michigan 48033-5244, U.S.A.
https://www.denso.com/us-ca/en/about-us/company-information/diam/

GAS STATION INFORMATION



A Auxiliary catch lever (→P.457)

B Power back door switch* (→P.207)

C Fuel filler door opener switch (→P.307)

D Fuel filler door (→P.307)

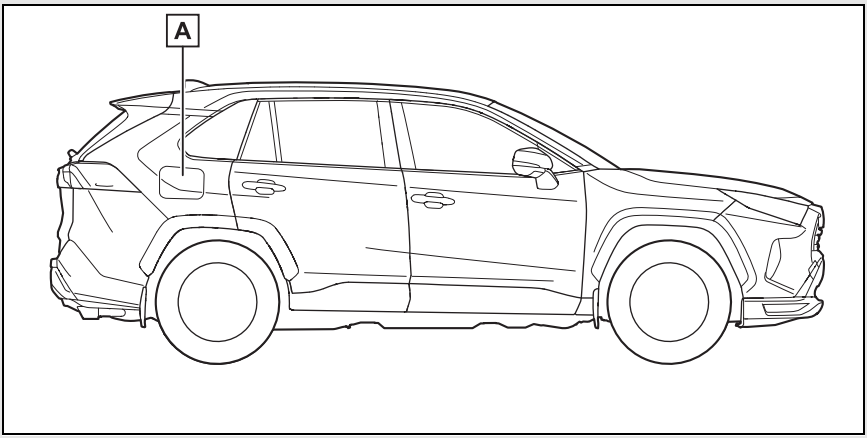
E Tire inflation pressure (→P.555)

F Hood lock release lever (→P.457)

*: Vehicles with power back door

Fuel tank capacity (Reference)	14.5 gal. (55 L, 12.1 Imp.gal.)	
Fuel type	Unleaded gasoline only	P.551
Cold tire inflation pressure		P.555
Engine oil capacity (Drain and refill — reference)	With filter	4.8 qt. (4.5 L, 4.0 Imp. qt.)
	Without filter	4.4 qt. (4.2 L, 3.7 Imp. qt.)
Engine oil type		P.552

CHARGING STATION INFORMATION



A Charging port lid

Charger type	AC charger (SAE J1772 level1/level2)
Voltage rating	AC 240 V 16 A
Time needed for charging*	Approximately 4 hours 30 minutes
Battery type	Lithium-ion battery

*: Gives an estimation of the amount of time needed to charge fully from when an EV driving range is not displayed on the multi-information display etc.
Depending on the specifications of a charger, power supply may be interrupted before the hybrid battery (traction battery) is fully charged.
For the charging procedure, refer to “How to charge” (→P.123).
Handling may differ in accordance with the type of plug provided at the charging station. Check at each station.

Publication No.OM42C52U
Part No.01999-42C52
Printed in Japan 01-2006-00 0
ラブ４ プライム（北米U）