



Owner's Manual

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

PRIUS



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For vehicles with navigation or multimedia system, refer to the “Navigation and Multimedia System Owner’s Manual” for information regarding the equipment listed below.

- Navigation system
- Audio/visual system
- Toyota parking assist monitor
- Hands-free system
(for cellular phone)

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 color and equipment.

Accessories, spare parts and modification of your Toyota

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

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

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

Installation of an RF-transmitter system

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

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

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

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

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

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

Vehicle data recording

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 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 available.

Event data recorder

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

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

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

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

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

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

● Disclosure of the EDR data

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

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

However, if necessary, Toyota may:

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

Scraping of your Toyota

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

WARNING

■ General precautions while driving

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

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

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

■ General precaution regarding children's safety

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

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

Reading this manual



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.



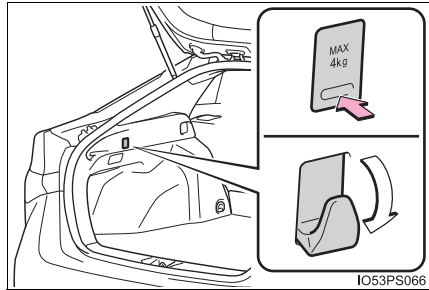
Indicates operating or working procedures. Follow the steps in numerical order.



Indicates the action (pushing, turning, etc.) used to operate switches and other devices.



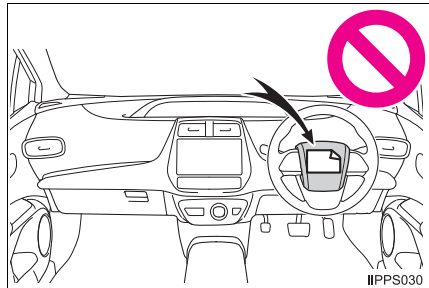
Indicates the outcome of an operation (e.g. a lid opens).



Indicates the component or position being explained.



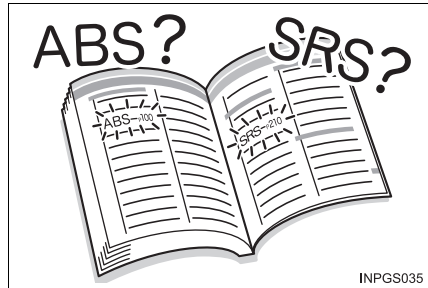
Means “Do not”, “Do not do this”, or “Do not let this happen”.



How to search

■ Searching by name

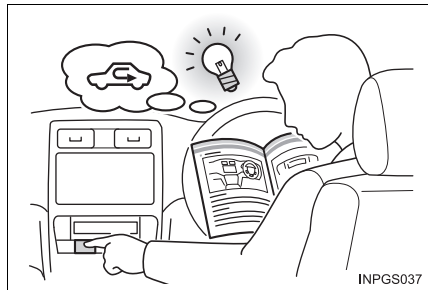
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INPGS035

■ Searching by installation position

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INPGS037

■ Searching by symptom or sound

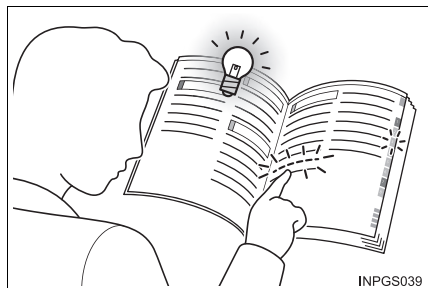
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■ Searching by title

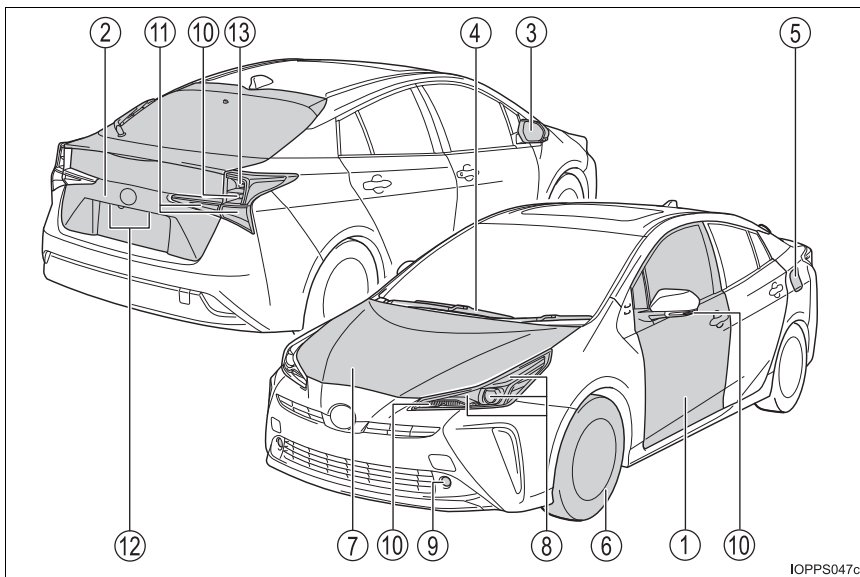
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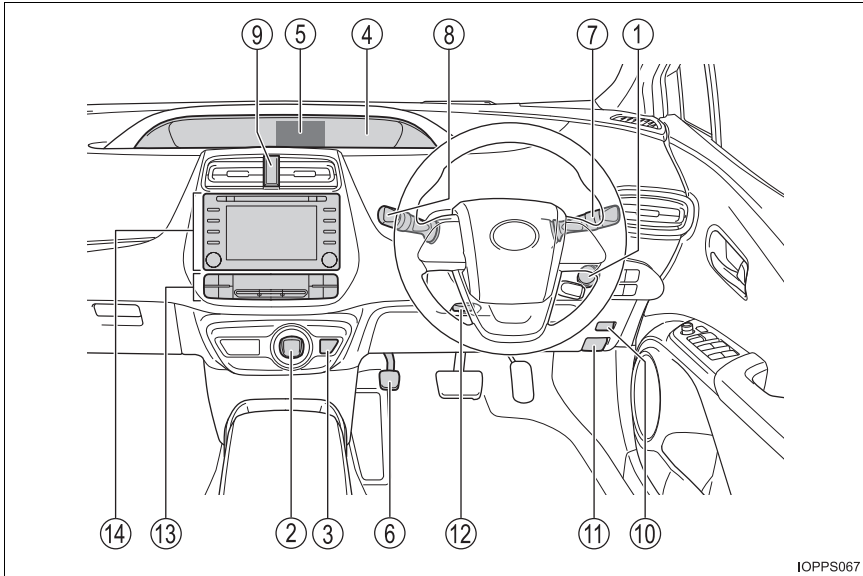
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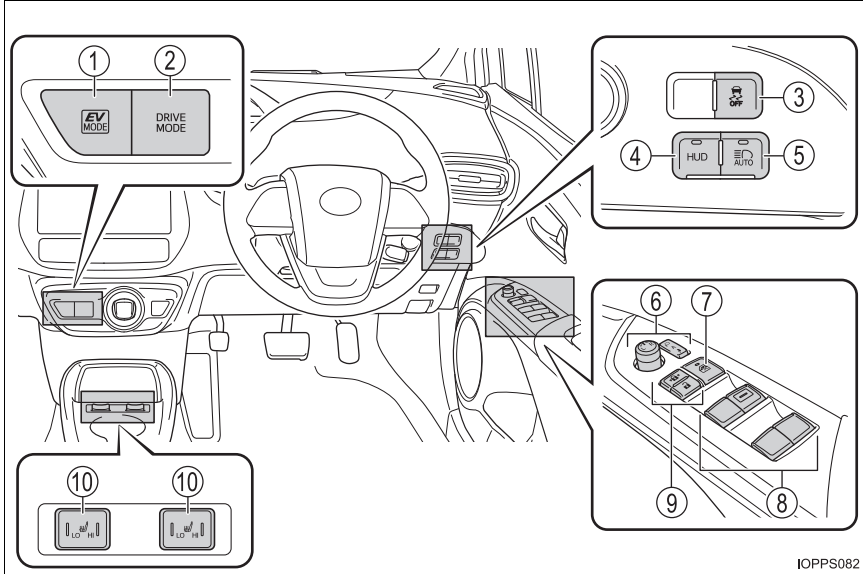
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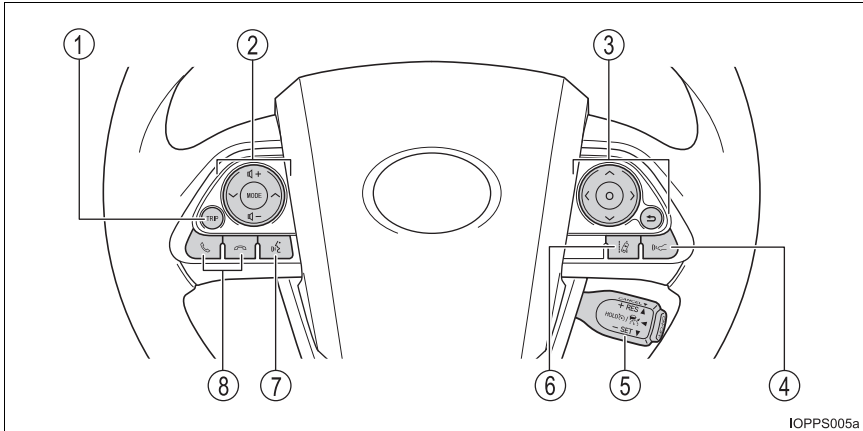
*: Refer to "Navigation and Multimedia System Owner's Manual".

Switches



IOPPS082

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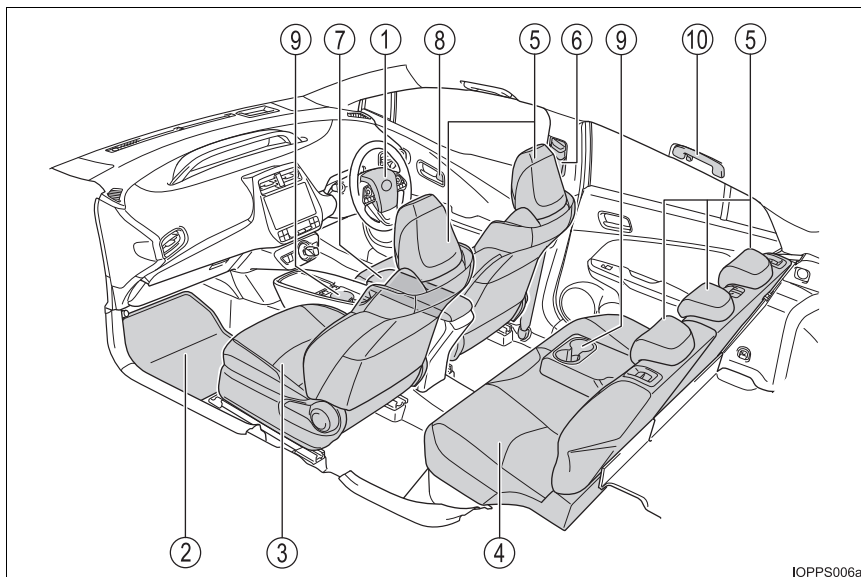


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^{*1}: If equipped

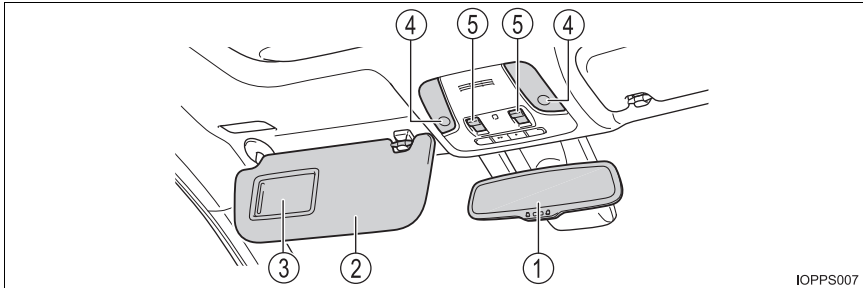
^{*2}: Refer to “Navigation and Multimedia System Owner’s Manual”.

Interior



IOPPS006a

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^{*1}: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P. 49)



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

^{*3}: For vehicles without moon roof, the switch shape may differ.

^{*4}: If equipped

For safety and security

1

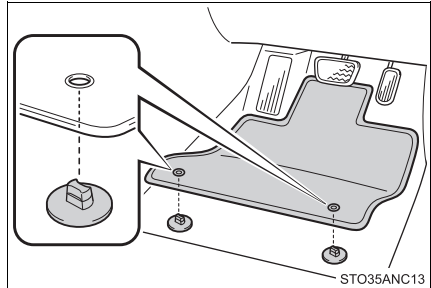
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Before driving

Floor mat

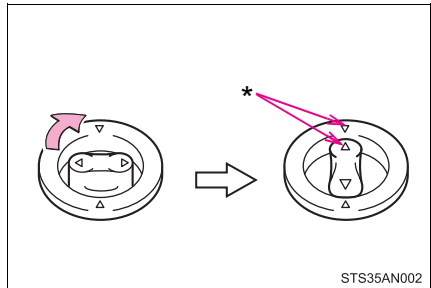
Use only floor mats designed specifically for vehicles of the same model and model year as your vehicle. Fix them securely in place onto the carpet.

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



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

*: Always align the \triangle marks.



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

⚠ WARNING

Observe the following precautions.

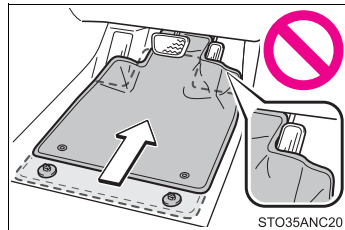
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

■ When installing the driver's floor mat

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

■ Before driving

- Check that the floor mat is securely fixed in the correct place with all the provided retaining hooks (clips). Be especially careful to perform this check after cleaning the floor.
- With the hybrid system stopped and the shift position in P, fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

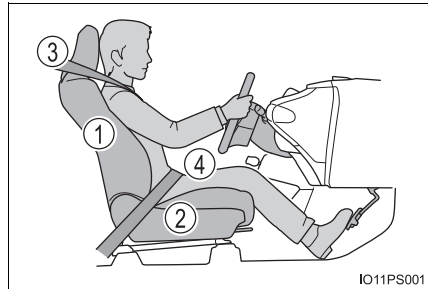


For safe driving

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

Correct driving posture

- ① Adjust the angle of the seat-back so that you are sitting straight up and so that you do not have to lean forward to steer. (→P. 168)
- ② 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. 168)
- ③ Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 173)
- ④ Wear the seat belt correctly. (→P. 28)



Correct use of the seat belts

Make sure that all occupants are wearing their seat belts before driving the vehicle. (→P. 28)

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 46)

Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside and outside rear view mirrors properly. (→P. 179, 181)

 **WARNING**

Observe the following precautions.

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

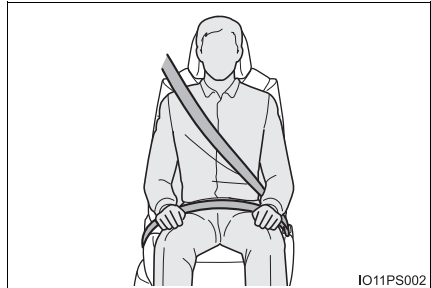
- Do not adjust the position of the driver's seat while driving.
Doing so could cause the driver to lose control of the vehicle.
- Do not place a cushion between the driver or passenger and the seatback.
A cushion may prevent correct posture from being achieved, and reduce the effectiveness of the seat 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.

Seat belts

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

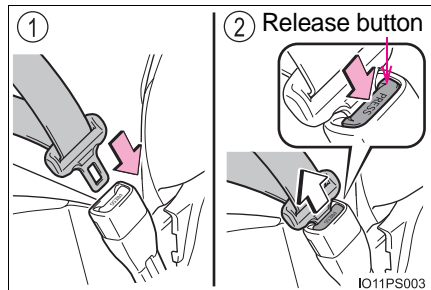
Correct use of the seat belts

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



Fastening and releasing the seat belt

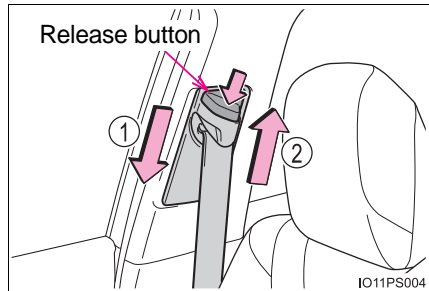
- ① To fasten the seat belt, push the plate into the buckle until a click sound is heard.
- ② To release the seat belt, press the release button with a hand on the plate.



Adjusting the seat belt shoulder anchor height (front seats)

- ① Push the seat belt shoulder anchor down while pressing the release button.
- ② Push the seat belt shoulder anchor up while pressing the release button.

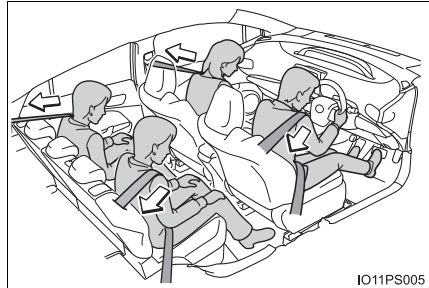
Move the height adjuster up and down as needed until you hear a click.



Seat belt pretensioners (front seats 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 or side collision.

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



■ Emergency locking retractor (ELR)

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

■ 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. 46)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions regarding seat belt usage. (→P. 28)

■ Replacing the belt after the pretensioner has been activated

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

■ Seat belt regulations

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

 **WARNING**

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

Failing to do so may cause death or serious injury.

■ Wearing a seat belt

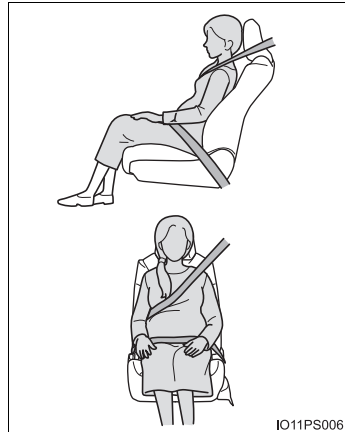
- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Each seat belt should be used by one person only. Do not use a seat belt for more than one person at once, including children.
- Toyota recommends that children be seated in the rear seat and always use a seat belt and/or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

⚠ WARNING**■ Pregnant women**

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

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

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

**■ People suffering illness**

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

■ When children are in the vehicle


→P. 60

■ Seat belt pretensioners

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.

■ Adjustable shoulder anchor

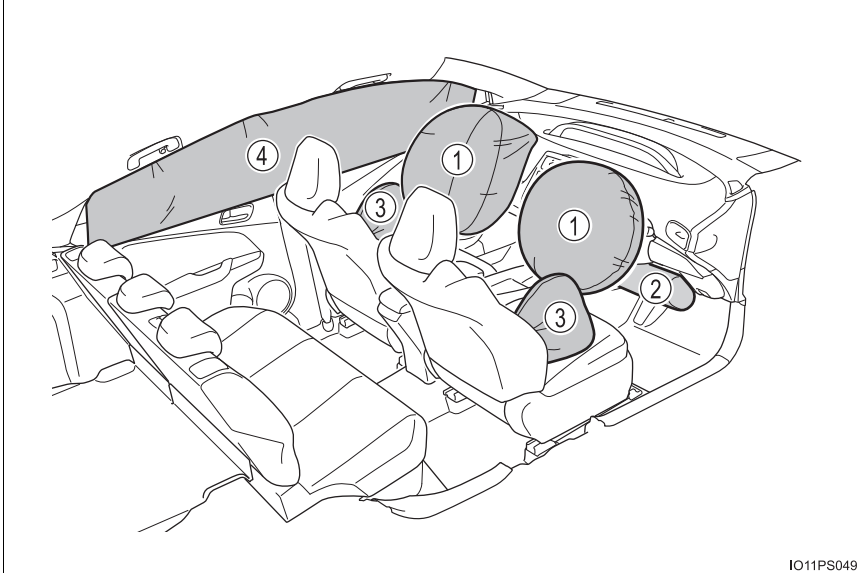
Always make sure the shoulder belt is positioned across the center of your shoulder. The belt should be kept away from your neck, but not falling off your shoulder. Failure to do so could reduce the amount of protection in an accident and cause death or serious injuries in the event of a sudden stop, sudden swerve or accident. (→P. 29)

 **WARNING****■ Seat belt damage and wear**

- Do not damage the seat belts by allowing the belt, plate, or buckle to be jammed in the door.
- Inspect the seat belt system periodically. Check for cuts, fraying, and loose parts. Do not use a damaged seat belt until it is replaced. Damaged seat belts cannot protect an occupant from death or serious injury.
- Ensure that the belt and plate are locked and the belt is not twisted. If the seat belt does not function correctly, immediately contact your 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.

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.



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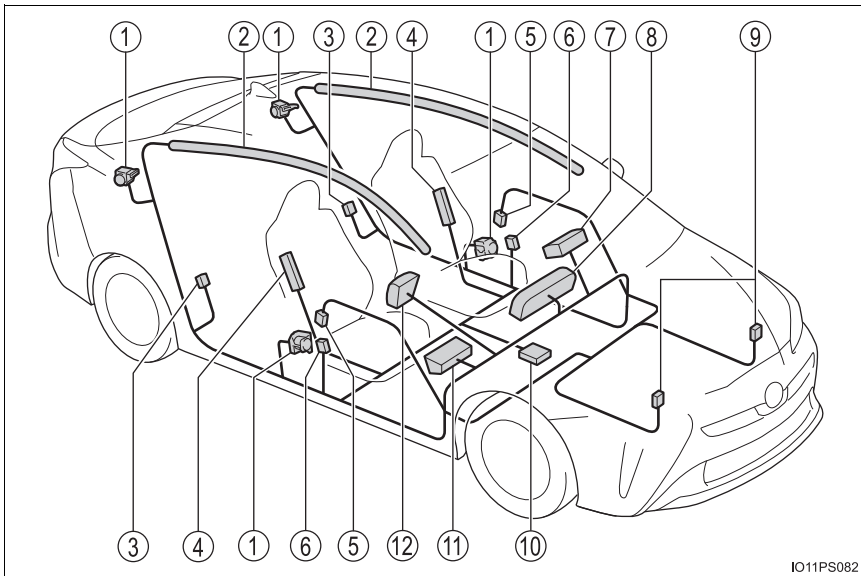
◆ SRS front airbags

- ① SRS driver airbag/front passenger airbag
Can help protect the head and chest of the driver and front passenger from impact with interior components
- ② SRS knee airbag
Can help provide driver protection

◆ SRS side and curtain shield airbags


- ③ SRS side airbags
Can help protect the torso of the front seat occupants
- ④ SRS curtain shield airbags
Can help protect primarily the head of occupants in the outer seats

SRS airbag system components



- | | |
|--|-------------------------------|
| ① Seat belt pretensioners and force limiters | ⑥ Side impact sensors (front) |
| ② Curtain shield airbags | ⑦ Front passenger airbag |
| ③ Side impact sensors (rear) | ⑧ SRS warning light |
| ④ Side airbags | ⑨ Front impact sensors |
| ⑤ Side impact sensors (front door) | ⑩ Airbag sensor assembly |
| | ⑪ Driver's knee airbag |
| | ⑫ Driver airbag |

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

 **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.

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

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

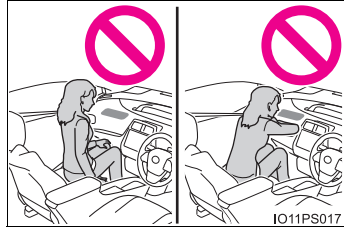
The seat should be adjusted as recommended above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.

- 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. 46)

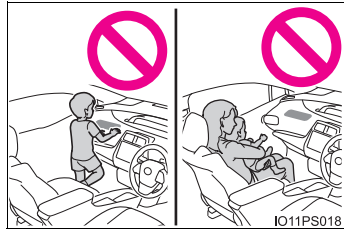
⚠ WARNING

■ SRS airbag precautions

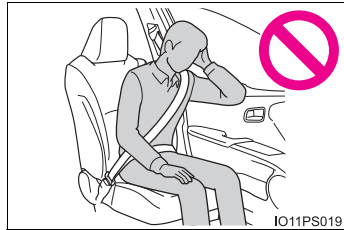
- Do not sit on the edge of the seat or lean against the dashboard.



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



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



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

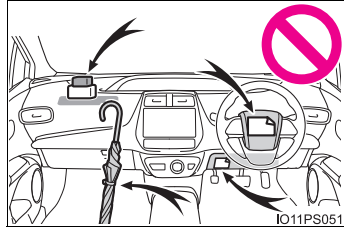


⚠ WARNING

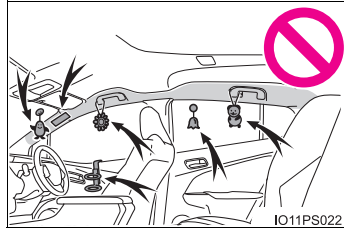
■ SRS airbag precautions

- Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad and lower portion of the driver's side 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.



- 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 inflate as they may interfere with inflation of the SRS airbags. Such accessories may prevent the side airbags from activating correctly, disable the system or cause the side airbags to inflate accidentally, resulting in death or serious injury.
- Do not strike or apply significant levels of force to the area of the SRS airbag components 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.

 **WARNING****■ 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
- Installation of a grille guard (bull bars, kangaroo bar, etc.), snow plows or winches
- Modifications to the vehicle's suspension system
- Installation of electronic devices such as mobile two-way radios (RF-transmitter) and CD players

■ 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. 70)
- The emergency flashers will turn on automatically. (→P. 434)

■ 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 20 - 30 km/h [12 - 18 mph] frontal collision with a fixed wall that does not move or deform).

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

- If the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact
- If the vehicle is involved in an underride collision, such as a collision in which the front of the vehicle “underrides”, or goes under, the bed of a truck
- Depending on the type of collision, it is possible that only the seat belt pretensioners will activate.

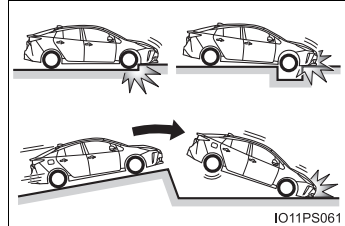
■ SRS airbag deployment conditions (SRS side and curtain shield airbags)

- 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 1500 kg [3300 lb.] vehicle colliding with the vehicle cabin from a direction perpendicular to the vehicle orientation at an approximate speed of 20 - 30 km/h [12 - 18 mph]).
- 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.

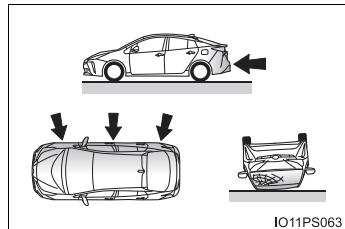
- Hitting a curb, edge of pavement or hard surface
- Falling into or jumping over a deep hole
- Landing hard or falling



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

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

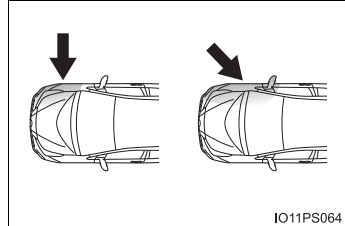
- Collision from the side
- Collision from the rear
- Vehicle rollover



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

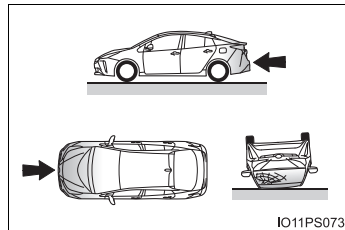
The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.

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



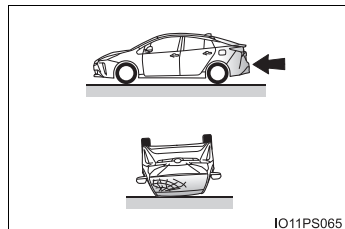
The SRS side airbags do not generally inflate if the vehicle is involved in a frontal or rear collision, if it rolls over, or if it is involved in a low-speed side collision.

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



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

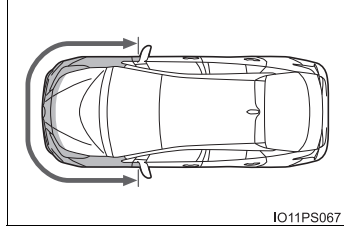
- Collision from the rear
- Vehicle rollover



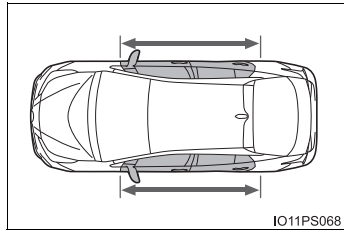
■ When to contact your Toyota dealer

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

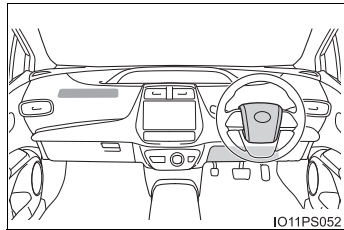
- Any of the SRS airbags have been inflated.
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS front airbags to inflate.



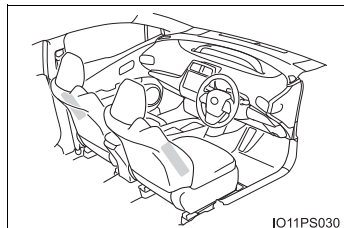
- A portion of a door or its surrounding area is damaged, deformed or has had a hole made in it, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.



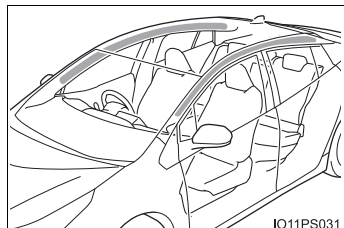
- The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the driver's side instrument panel is scratched, cracked, or otherwise damaged.



- 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.



Exhaust gas precautions

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

WARNING

Exhaust gases include harmful carbon monoxide (CO), which is colorless and odorless. Observe the following precautions.

Failure to do so may cause exhaust gases enter the vehicle and may lead to an accident caused by light-headedness, or may lead to death or a serious health hazard.

■ Important points while driving

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

■ 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. 154, 183)
- 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

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) 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 compatibility for each seating position.....	P. 51
Child restraint system installation method	P. 58
• Fixed with a seat belt	P. 59
• Fixed with an ISOFIX rigid anchor	P. 61
• Using a child restraint anchor fitting.....	P. 63

Points to remember

- Prioritize and observe the warnings, as well as the laws and regulations for child restraint systems.
- Use a child restraint system until the child becomes large enough to properly wear the vehicle's seat belt.
- Choose a child restraint system appropriate to the age and size of the child.
- Note that not all child restraint systems can fit in all vehicles. Before using or purchasing a child restraint system, check the compatibility of the child restraint system with seat positions. (→P. 51)

 **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.
- 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.
- Depending on the child restraint system, installation may be difficult or impossible. In those cases, check whether the child restraint system is suitable for installment in the vehicle (→P. 51). Be sure to install and observe the usage rules after carefully reading the child restraint system fixing method in this manual, as well as the operation manual enclosed with the child restraint system.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the luggage compartment.

When using a child restraint system

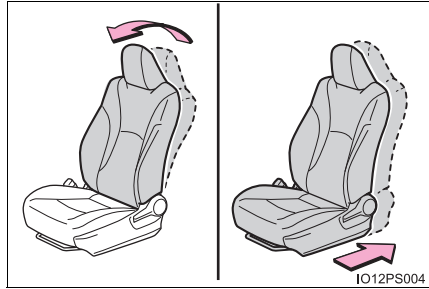
■ When installing a child restraint system to a front passenger seat

For the safety of a child, install a child restraint system to a rear seat. When installing a child restraint system to the 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.

When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.

- 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

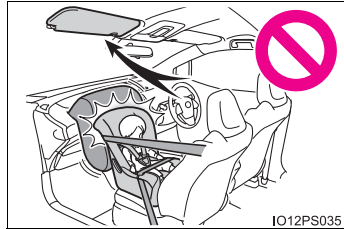
Observe the following precautions.

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

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

There is a label(s) on the passenger side sun visor, indicating it is forbidden to attach a rear-facing child restraint system to the front passenger seat.

Details of the label(s) are shown in the illustration below.



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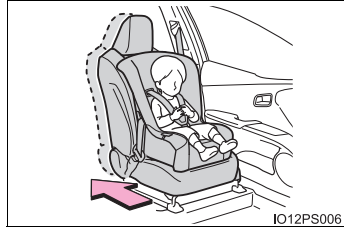


STY12ZY001

⚠ WARNING

■ When using a child restraint system

- Only put a forward-facing child restraint system on the front seat when unavoidable. When installing a forward-facing child restraint on the front passenger seat, move the seat as far back as possible. Failing to do so may result in death or serious injury if the airbags deploy (inflate).

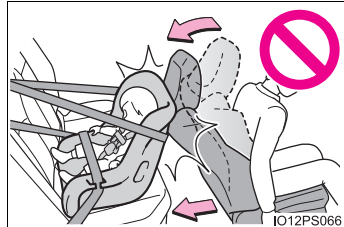


- Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front or rear pillars, or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous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



- When a junior seat (booster seat) is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder.
- 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 left-hand rear seat.
- Adjust the front passenger seat so that it does not interfere with the child restraint system.



Child restraint system compatibility for each seating position

■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems (→P. 53) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols.

Check the selected child restraint system together with the following [Before confirming the compatibility of each seating position with child restraint systems].

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

1 Checking the child restraint system standards.

Use a child restraint system that conforms to UN(ECE) R44*¹ or UN(ECE) R129*^{1, 2}.

The following approval mark is displayed on child restraint systems which are conformed.

Check for an approval mark attached to the child restraint system.

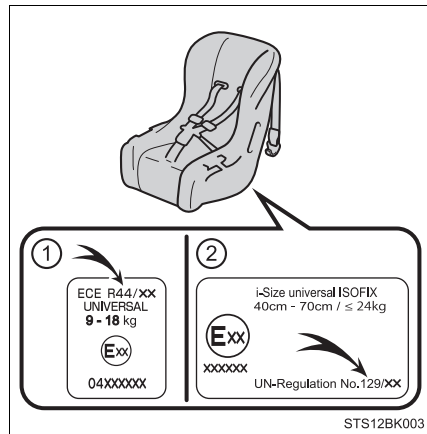
Example of the displayed regulation number

① UN(ECE) R44 approval mark*³

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

② UN(ECE) R129 approval mark*³

The height range of the child who is applicable as well as available weights for an UN(ECE) R129 approval mark is indicated.



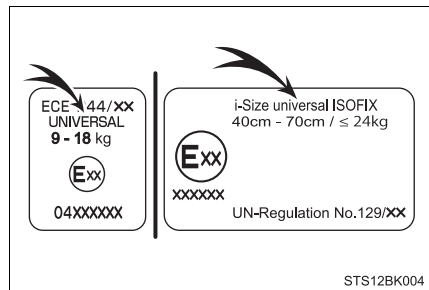
- *1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.
- *2: The child restraint systems mentioned in the table may not be available outside of the EU area.
- *3: The displayed mark may differ depending on the product.

2 Checking the category of the child restraint system.

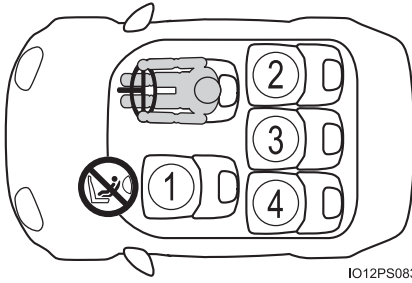
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable.

Also, if there are any uncertainties, check the user's guide included with the child restraint system or contact the retailer of the child restraint system.

- “universal”
- “semi-universal”
- “restricted”
- “vehicle specific”



■ Compatibility of each seating position with child restraint systems



IO12PS083

<p>*1, 2, 3</p> <p>①</p>	<p>*4</p> <p>U</p>
<p>*3</p> <p>②</p>	<p>U</p> <p>i</p> <p>Anchor</p>
<p>*3</p> <p>③</p>	<p>Anchor</p>
<p>*3</p> <p>④</p>	<p>U</p> <p>i</p> <p>Anchor</p>



Suitable for “universal” category child restraint system fixed with the seat belt.



Suitable for i-Size and ISOFIX child restraint system.



Includes a top tether anchorage point.

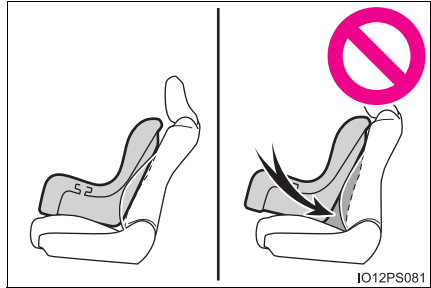


Never use a rear-facing child restraint system on the front passenger seat.

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

*2: Adjust the seatback angle to the most upright position.

When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.



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

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

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

■ Detail information for child restraint systems installation

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

ISOFIX child restraint systems are divided into different “fixture”. The child restraint system can be used in the seating positions for “fixture” mentioned in the table above. For kind of “fixture” relation, confirm the following table.

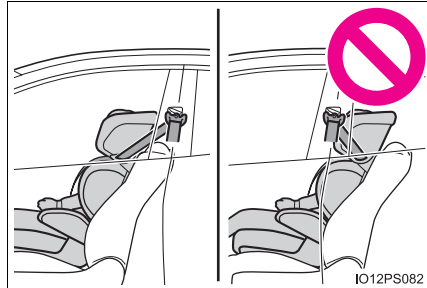
If your child restraint system has no kind of “fixture” (or if you cannot find information in the table below), please refer to the child restraint system “vehicle list” for compatibility information or ask the retailer of your child seat.

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

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

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

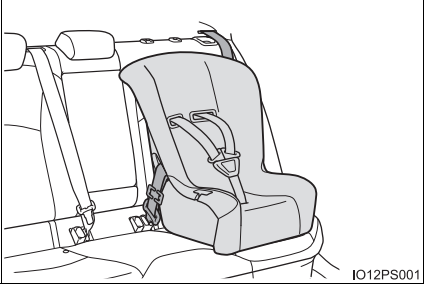
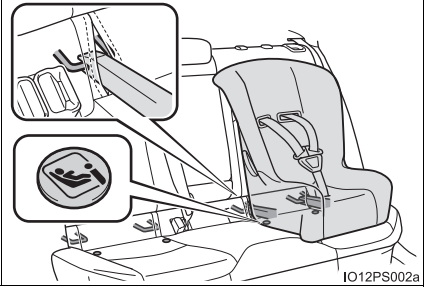
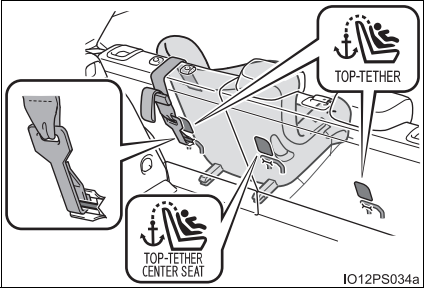
- When installing a child restraint in the rear seats, adjust the front seat so that it does not interfere with the child or child restraint system.
- When installing a child seat with support base, if the child seat interferes with the seatback when latching it into the support base, adjust the seatback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



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

Child restraint system installation method

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

	Installation method	Page
<p>Seat belt attachment</p>		<p>P. 59</p>
<p>ISOFIX rigid anchor attachment</p>		<p>P. 61</p>
<p>Child restraint anchor fitting attachment</p>		<p>P. 63</p>

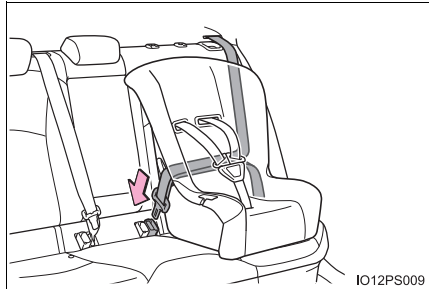
Child restraint system fixed with a seat belt

■ Installing child restraint system using a seat belt

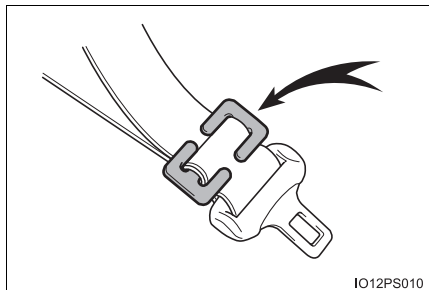
Install the child restraint system in accordance to the operation manual enclosed with the child restraint system.

If the child restraint system on hand is not within the “universal” category (or the necessary information is not in the table), refer to the “Vehicle List” provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child restraint system. (→P. 52, 53)

- 1 If installing the child restraint system to the front passenger seat is unavoidable, refer to P. 48 for front passenger seat adjustment.
- 2 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. (→P. 173)
- 3 Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted. Securely fix the seat belt to the child restraint system in accordance to the directions enclosed with the child restraint system.



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



- 5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P. 60)

■ Removing a child restraint system installed with a seat belt

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

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

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

■ When installing a child restraint system

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



WARNING

■ When installing a child restraint system

Observe the following precautions.

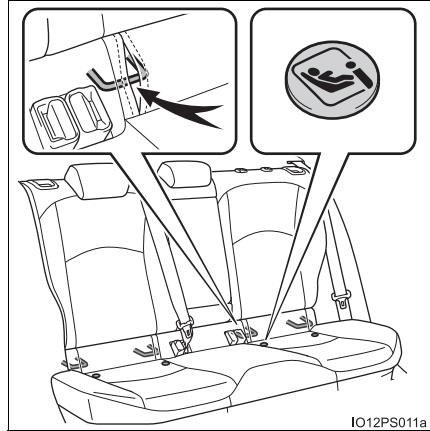
Failure to do so may result in death or serious injury.

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

Child restraint system fixed with an ISOFIX rigid anchor

■ ISOFIX rigid anchors (ISOFIX child restraint system)

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



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

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

If the child restraint system on hand is not within the “universal” category (or the necessary information is not in the table), refer to the “Vehicle List” provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child restraint system. (→P. 52, 53)

- 1 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. (→P. 173)

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

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



- 3 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P. 60)

⚠ WARNING

■ When installing a child restraint system

Observe the following precautions.

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

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

■ Using child restraint anchorages

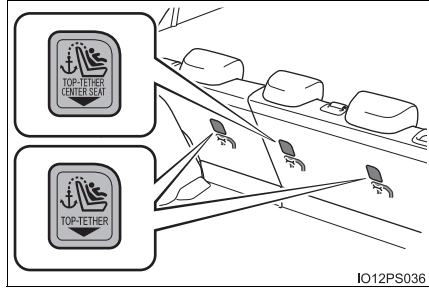
WARNING: child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seatbelts, harnesses, or for attaching other items or equipment to the vehicle.

Using a child restraint anchor fitting

■ Child restraint anchor fitting

Anchor fittings are provided for each rear seat.

Use anchor fittings when fixing the strap.



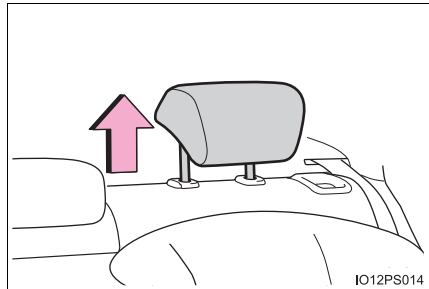
IO12PS036

■ Fixing the strap to the anchor fitting

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

- 1 Adjust the head restraint to the upmost position.

If the head restraint interferes with the child restraint system or top strap installation and the head restraint can be removed, remove the head restraint. (→P. 174)

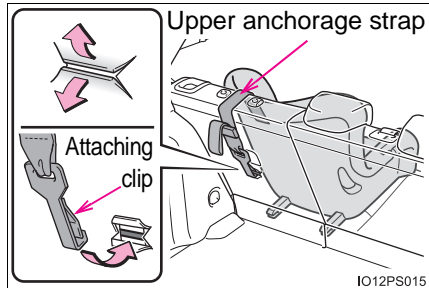


IO12PS014

- 2 Latch the attaching clip onto the anchor fitting and tighten the upper anchorage strap.

Make sure the upper anchorage strap is securely latched. (→P. 60)

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



IO12PS015

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

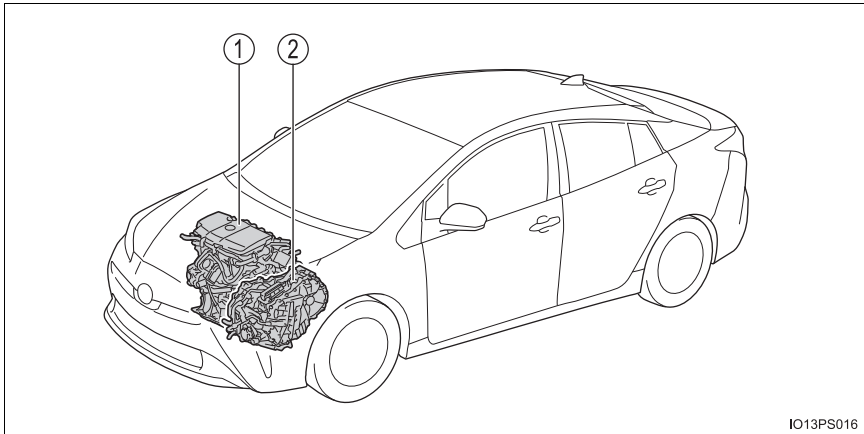
■ Using child restraint anchorages

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

Hybrid system features

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

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



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

- ① Gasoline engine
- ② Electric motor (traction motor)

◆ When stopped/during start off

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

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

*: When the hybrid battery (traction battery) requires charging or the engine is warming up, etc., the gasoline engine will not automatically stop.
(→P. 67)

◆ During normal driving

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

◆ When accelerating sharply

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

◆ When braking (regenerative braking)

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

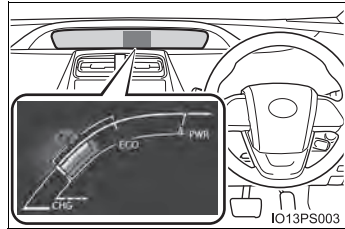
■ Regenerative braking

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

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

■ Hybrid System Indicator

Hybrid System Indicator represents the hybrid system power output and regenerative charging. (→P. 107)



■ Conditions in which the gasoline engine may not stop

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

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

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

■ Charging the hybrid battery (traction battery)

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

■ Charging the 12-volt battery

→P. 497

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

The gasoline engine may not stop even if the vehicle is being driven by the hybrid battery (traction battery). If this continues for a few days, contact your Toyota dealer.

■ Sounds and vibrations specific to a hybrid 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 position to P when parked.

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

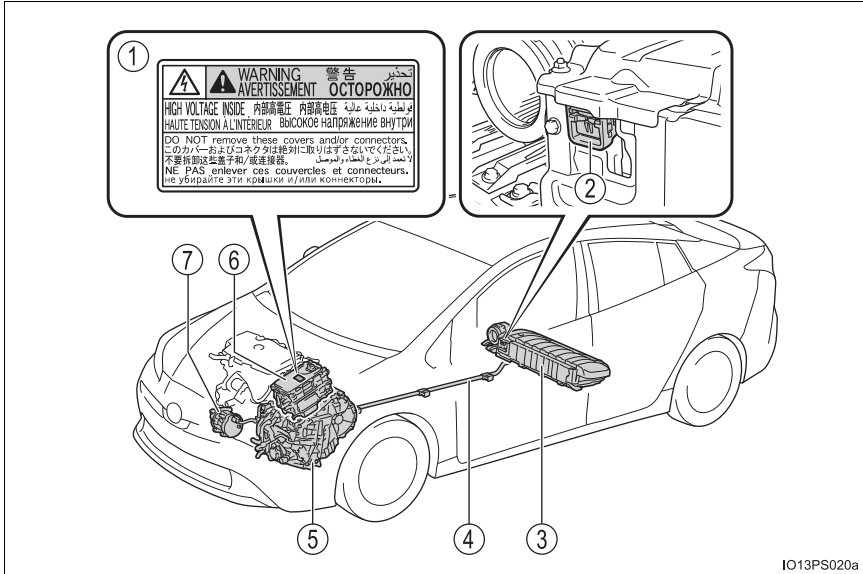
- Motor sounds may be heard from the engine compartment.
- Sounds may be heard from the hybrid battery (traction battery) under the rear seats when the hybrid system starts or stops.
- Relay operating sounds such as a snap or soft clank will be emitted from the hybrid battery (traction battery), under the rear seats, when the hybrid system is started or stopped.
- Sounds from the hybrid system may be heard when the 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. (→P. 70)

■ Maintenance, repair, recycling, and disposal

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

Hybrid system precautions

Take care when handling the hybrid system, as it is a high voltage system (about 600 V at maximum) as well as contains parts that become extremely hot when the hybrid system is operating. Obey the warning labels attached to the vehicle.

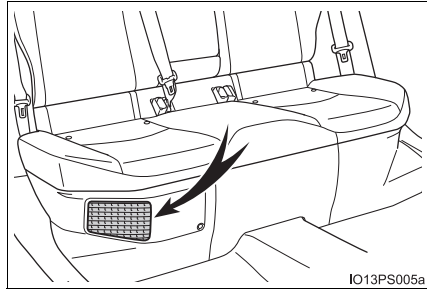


The illustration is an example for explanation and may differ from the actual item.

- ① Warning label
- ② Service plug
- ③ Hybrid battery (traction battery)
- ④ High voltage cables (orange)
- ⑤ Electric motor (traction motor)
- ⑥ Power control unit
- ⑦ Air conditioning compressor

Hybrid battery (traction battery) air intake vent

There is an air intake vent under the right side of the rear seat for the purpose of cooling the hybrid battery (traction battery). If the vent is blocked, charging/discharging of the hybrid battery (traction battery) may become limited.



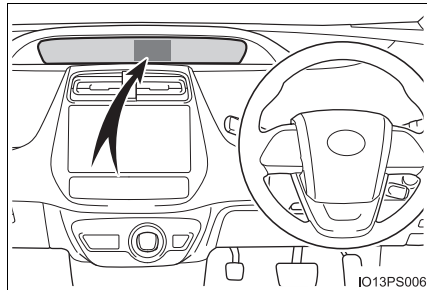
Emergency shut off system

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

Hybrid warning message

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

If a warning message is shown on the multi-information display, read the message and follow the 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 this case, try to start the system again. If the “READY” indicator does not come on, contact your Toyota dealer.

■ **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. 447) 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 7.5 L [2.0 gal., 1.7 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 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.

■ **Hybrid battery (traction battery)**

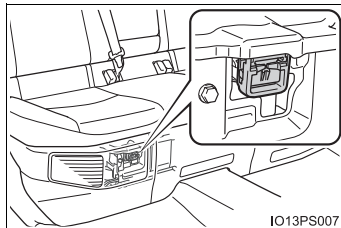
The hybrid battery (traction battery) has a limited service life. The lifespan of the hybrid battery (traction battery) can change in accordance with driving style and driving conditions.

⚠ WARNING

■ High voltage precautions

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

- Never touch, disassemble, remove or replace the high voltage parts, cables or their connectors.
- 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 warning labels attached to the vehicle.
- Never try to open the service plug access hole located under the right side of the rear seat. The service plug is used only when the vehicle is serviced and is subject to high voltage.



■ Road accident cautions

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

- Pull your vehicle off the road, apply the parking brake, shift the shift position to P, and turn the hybrid system off.
- Do not touch the high voltage parts, cables and connectors.
- If electric wires are exposed inside or outside your vehicle, an electric shock may occur. Never touch exposed electric wires.
- If a fluid leak occurs, do not touch the fluid as it may be strong alkaline electrolyte from the hybrid battery (traction battery). If it comes into contact with your skin or eyes, wash it off immediately with a large amount of water or, if possible, boric acid solution. Seek immediate medical attention.
- 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. 438)
- 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.

 **WARNING****Hybrid battery (traction 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.



NOTICE

Hybrid battery (traction battery) air intake vent

- Make sure not to block the air intake vent with anything, such as a seat cover, plastic cover, or luggage. If the vent is blocked, the charging/discharging of the hybrid battery (traction battery) may become limited.
- When dust etc. has accumulated in the air intake vent, clean it with a vacuum cleaner to prevent the vent from clogging.
- Do not get water or foreign materials in the air intake vent as this may cause a short circuit and damage the hybrid battery (traction battery).
- Do not carry large amounts of water such as water cooler bottles in the vehicle. If water spills onto the hybrid battery (traction battery), the battery may be damaged. Have the vehicle inspected by your Toyota dealer.
- There is a filter 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. For information regarding filter cleaning or replacement, refer to P. 409.
- If “Maintenance Required for Traction Battery 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. 409 for information on how to clean the air intake vent.

Immobilizer system

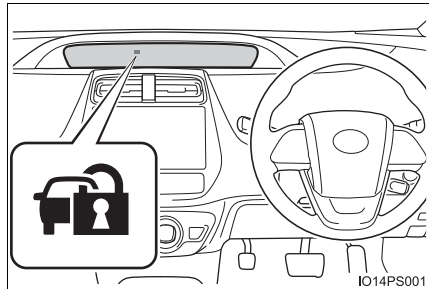
The vehicle's keys have built-in transponder chips that prevent the hybrid system from starting if a key has not been previously registered in the vehicle's on-board computer.

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.

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

The indicator light stops flashing after the power switch has been turned to ACCESSORY or ON mode 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 registered to the security system (key with a built-in transponder chip) of another vehicle

⚠ NOTICE

■ To ensure the system operates correctly

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

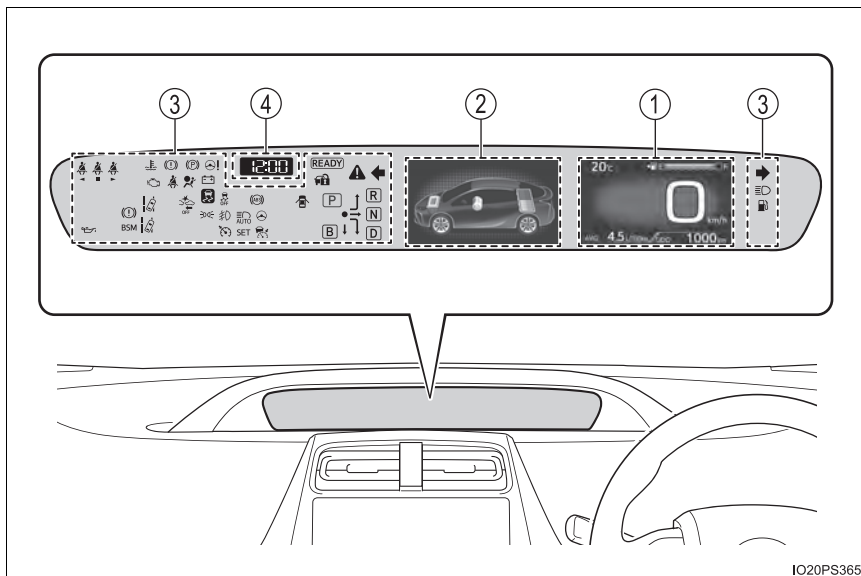
Instrument cluster**2**

2. Instrument cluster	
Combination meter	78
Warning lights and indicators	87
Main display	93
Multi-information display	102
Head-up display	132
Energy monitor/ consumption screen	140

Combination meter

The large meter uses 2 liquid crystal displays to display information such as the vehicle condition, driving status and fuel consumption.

Combination meter layout



① Main display (→P. 93)

The main display shows basic information related to driving, such as the vehicle speed and remaining fuel amount.

② Multi-information display (→P. 102)

The multi-information display shows information which makes the vehicle convenient-to-use, such as the hybrid system operation condition and fuel consumption history. Also, the operation contents of the driving support systems and the combination meter display settings can be changed by switching to the settings screen.

③ Warning lights and indicators (→P. 87)





The warning lights and indicators comes on or flashes to indicate problems with the vehicle or to show the operation status of the vehicle's systems.

④ Clock (→P. 83)



Operations related to the combination meter

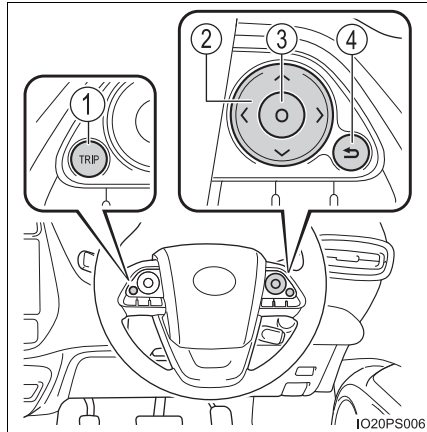
The meter control switches equipped on the steering wheel can be used to switch the screen display and change settings related to functions displayed on the screen.

- ① Each time the button is pressed, the mileage display switches among odometer, trip meters, etc., and the fuel consumption information for each distance switches as well.
(→ P. 97)


- ② Pressing , ,  or  performs such operations as scrolling the screen*, switching the contents of the display* and moving the cursor.

- ③ This button is used to perform such operations as selecting the current item or switching between on and off.
- ④ When pressed, the display returns to the previous screen.










*: On screens where the screen can be scrolled and the display can be switched, marks are displayed to indicate the direction of operation (such as  and ).




Instrument cluster light control

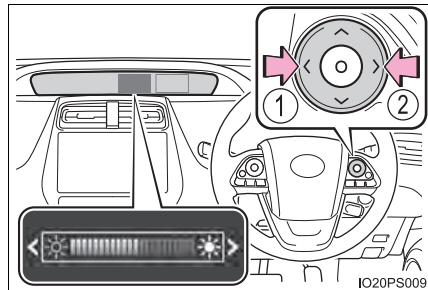
To adjust the brightness of the instrument cluster light, perform operations on the  screen of the multi-information display. (→P. 126)

The instrument cluster brightness levels that can be selected differ depending on whether the tail lights are on and surrounding brightness levels. (→P. 85)

- 1 Press  or  of the meter control switches on the steering wheel and select .
- 2 Press  or  of the meter control switches and select .
- 3 Press  to display the cursor.
- 4 Press  or  of the meter control switches to adjust the brightness of the instrument cluster light.

- ① Darker
- ② Brighter

After adjustment is completed, press  to return to the previous screen.



Information automatically displayed

Some information will be displayed automatically according to power switch operation, vehicle condition, etc.

■ When starting the hybrid system

When the hybrid system starts, an opening animation is displayed on the 2 displays.

After the animation ends, the screens switch to the normal screen.

The opening animation will be stopped when the shift position is changed to other than P.



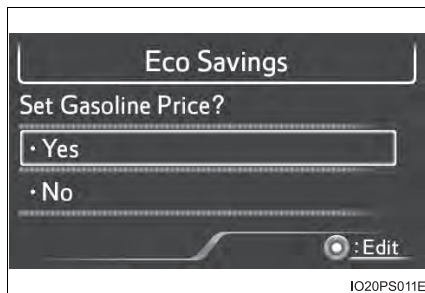
■ After refueling

When the power switch is turned to ON mode after refueling, the gasoline price setting screen* is displayed on the multi-information display.

After refueling, always set the gasoline price so that the "Eco Savings" function (→P. 114) may operate properly.

Settings related to the "Eco Savings" function can be changed in the "Meter Customize" settings. (→P. 128)

*: If the amount of fuel that the vehicle is refueled with is too small, this screen may not be displayed. (→P. 101)



■ When the driving assist systems are operating

When using driving assist systems such as the dynamic radar cruise control with full-speed range* (→P. 279) and LTA (Lane Tracing Assist)* (→P. 260), information related to each system is automatically displayed on the multi-information display depending on the situation.

For details regarding the displayed information and the contents of the display, refer to the explanation page of each system.

*: If equipped

■ When there is information to be notified about the vehicle

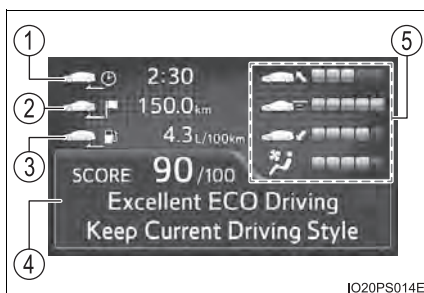
When a shift position is mistakenly selected or a problem occurs in a vehicle system, a warning message (or image) is displayed on the multi-information display.

When a warning message is displayed, follow the instructions displayed on the display. (→P. 450)


■ When stopping the hybrid system

From the time the hybrid system is started until it is turned off, the driving time, distance traveled, average fuel consumption and Eco score (→P. 109, 123) result are displayed on the multi-information display approximately every 30 seconds.












- ① Driving time since hybrid system started
- ② Distance traveled since hybrid system started
- ③ Average fuel consumption after hybrid system started
- ④ Eco score result and advice
- ⑤ Score display for each Eco score item (→P. 109, 123)



Clock adjustment

To adjust the time, perform operations on the  screen (→P. 119) of the multi-information display.

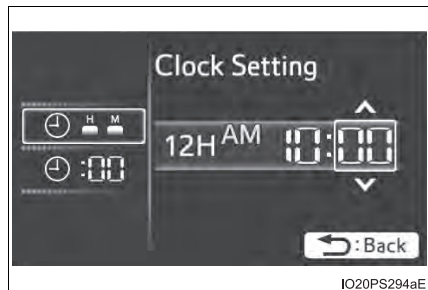
■ Adjusting the time

- 1 Press  or  of the meter control switches on the steering wheel and select .
- 2 Press  or  of the meter control switches and select .
- 3 Press  to display the cursor.
- 4 Press  or  of the meter control switches to adjust the cursor position, and then press  or  to change the setting.




When the 12-hour display is selected, "12H" is displayed, and when the 24-hour display is selected, "24H" is displayed.




When adjusting minutes, operation automatically starts from 00 seconds.

After changing the settings, press  to return to the previous screen.




■ Resetting the minutes display

1 Press  or  of the meter control switches on the steering wheel and select .

2 Press  or  of the meter control switches and select .



3 Press .

The minutes display switches to "00".*

*: e.g. 1:00 to 1:29 → 1:00
1:30 to 1:59 → 2:00

■ The meters and display illuminate when

The power switch is in ON mode.

■ Adjusting the instrument cluster brightness (→P. 80)

- The brightness levels that can be selected differ depending on whether the tail lights are on and surrounding brightness levels, as shown in the table below.

	The tail lights are off	The tail lights are on
In a bright place	2 levels*	2 levels*
In a dark place		22 levels

- *: 22 levels of the brightness are displayed on the setting screen. However, the brightness setting will be the brightest when other than 1st level (the darkest) is selected. If other than 1st or 22nd level is selected, when the tail lights are turned on in a dark place, the instrument cluster brightness setting will be the selected level.

- If the taillights are illuminated in a dark environment, the instrument cluster light dims. However, when the brightness of the instrument cluster is set to minimum or maximum (1st or 22nd level of the instrument cluster brightness), even if the taillights are illuminated, the instrument cluster light will not dim.

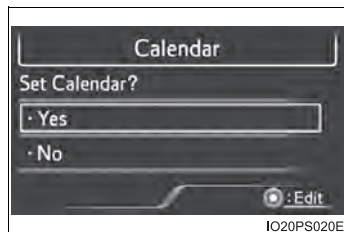
■ When disconnecting and reconnecting 12-volt battery terminals

The settings of the clock will be reset.

■ Calendar settings

If calendar recording is interrupted due to replacement of the 12-volt battery or 12-volt battery discharge, etc., when the power switch is turned to ON mode after maintenance, the calendar settings check screen is automatically displayed on the multi-information display.

- If date information is not set, the fuel consumption record cannot be stored correctly. When the calendar settings check screen is displayed, make sure to always set the settings. (→P. 126)
- Until the calendar settings are set, the check screen is displayed every time the power switch is turned to ON mode.
- After the calendar information is set, it can be changed in the “Meter Customize” settings. (→P. 128)



■ 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.

■ Pop-up display

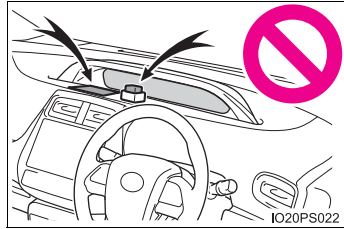
Some functions, such as the driving mode select switch and air conditioning system, are operation-linked and display pop-up screens on the multi-information display. If the pop-up screens of these functions are not desired, they can be turned off in the "Meter Customize" settings. (→P. 128)



WARNING

■ To prevent an accident

Do not place anything or attach a sticker in front of the instrument cluster. The item may obscure or obstruct the display, or could reflect off the display, possibly causing an accident.



■ 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.



NOTICE

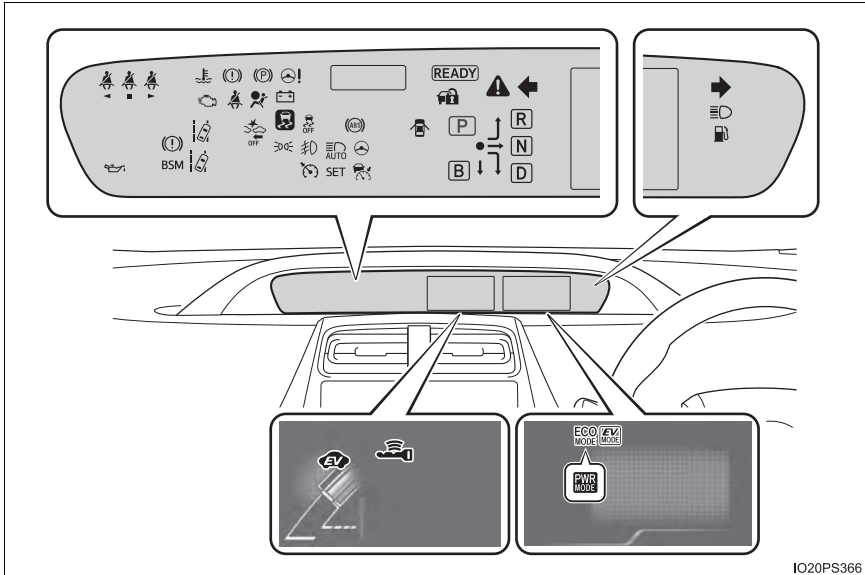
■ The information display at low temperatures

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

Warning lights and indicators















The warning lights and indicators inform the driver of the status of the vehicle's various systems.




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



Warning lights

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

Warning lights			Pages
*1		Brake system warning light (Red)	P. 445
*1		Brake system warning light (Yellow)	P. 445
*1		Charging system warning light	P. 445
*1		Low engine oil pressure warning light	P. 445
*1		Malfunction indicator lamp	P. 446
*1		SRS warning light	P. 446
*1		ABS warning light	P. 446
*1		Electric power steering system warning light (Red/yellow)	P. 446
*1, 2		PCS warning light (if equipped)	P. 446
		LTA indicator (Orange) (if equipped)	P. 447
*1		Slip indicator light	P. 447
*1		High coolant temperature warning light	P. 447
		Open door warning light	P. 447
		Low fuel level warning light	P. 447








Warning lights			Pages
		Driver's and front passenger's seat belt reminder light	P. 447
		Rear passengers' seat belt reminder light	P. 447
*1		Master warning light	P. 448










*1: These lights turn on when the power switch is turned to ON mode 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 a light does not come on, or turn off. Have the vehicle inspected by your Toyota dealer.

*2: The light flashes or illuminates to indicate a malfunction.

Indicators

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

Indicators			Pages
		Turn signal indicator	P. 221
		Tail light indicator	P. 223
		Parking brake indicator	P. 222
		Headlight high beam indicator	P. 223
		Fog light indicator	P. 230
		Security indicator	P. 75
		"READY" indicator	P. 206

Indicators		Pages
		Shift position indicators P. 215
*1, 2		Slip indicator light P. 316
*1, 3		VSC OFF indicator P. 317
		Cruise control indicator P. 289, 295
		Radar cruise control indicator (if equipped) P. 279
	SET	Cruise control "SET" indicator P. 279, 295
*1, 3		PCS warning light (if equipped) P. 253
*4		LTA indicator (if equipped) P. 269
		Steering control indicator (if equipped) P. 269
		Automatic High Beam indicator (if equipped) P. 226
	BSM	"BSM" indicator (if equipped) P. 302

*1: These lights turn on when the power switch is turned to ON mode 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 a light does not come on, or turn off. Have the vehicle inspected by your Toyota dealer.





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

*3: The light comes on when the system is turned off.

*4: Depending on the operating condition, the color and illuminating/flashing state of the light change.





Indicators and symbols displayed on the display

■ Main display and multi-information display

Indicators			Pages
		EV drive mode indicator	P. 212
*		“ECO MODE” indicator	P. 300
*		“PWR MODE” indicator	P. 300
		EV Indicator	P. 108

*: The displayed indicator changes according to the current driving mode.

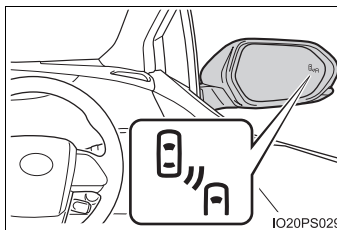
■ Multi-information display (symbol display*)


Symbol display			Pages
		Smart entry & start system	P. 206
		Inappropriate pedal operation	P. 448
		LTA (Lane Tracing Assist) (if equipped)	P. 273
			P. 273


*: These symbols are displayed along with a message. Also, the symbol displays listed here are only an example, and different symbols may be displayed according to the contents of the multi-information display.

■ BSM (Blind Spot Monitor) outside rear view mirror indicators (if equipped) (→P. 302)

- Indicators are also displayed on the outside rear view mirrors.
- In order to confirm operation, the BSM outside rear view mirror indicators illuminate in the following situations:
 - When the power switch is in ON mode, the BSM function is enabled



on the  screen of the multi-information display.

- When the BSM function is enabled on the  screen of the multi-information display, the power switch is turned to ON mode.

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.

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.

NOTICE

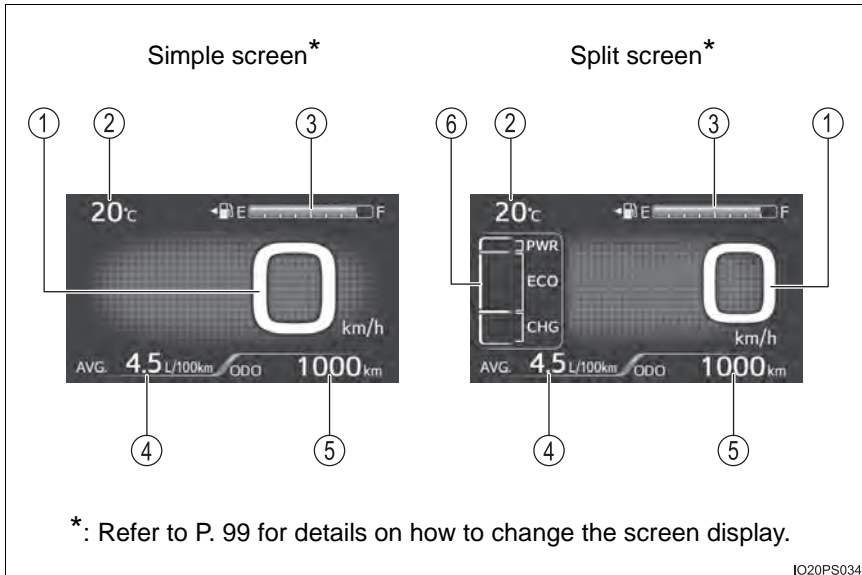
■ To prevent damage to the engine and its components

The engine may be overheating if the high coolant temperature warning light comes on or flashes. In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P. 501)

Main display

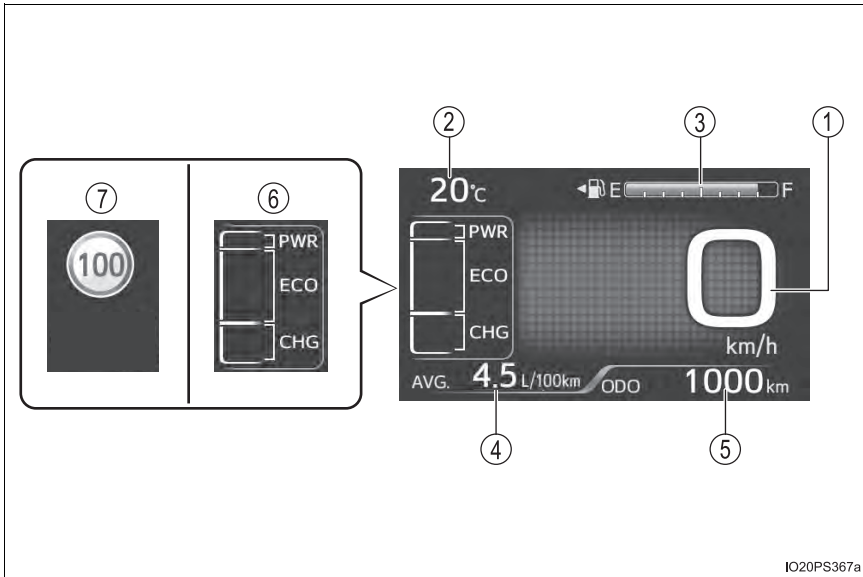
The main display shows basic information, such as the vehicle speed and remaining fuel amount. Also, the displayed information can be switched according to user preference.

Display contents (vehicles without RSA [Road Sign Assist])




- ① **Speedometer**
Displays the vehicle speed
- ② **Outside temperature**
Displays the outside temperature within the range of -40°C (-40°F) to 50°C (122°F).
The temperature display flashes for approximately 10 seconds when the outside temperature drops to approximately 3°C (37°F) or less, and then stops flashing.
- ③ **Fuel gauge**
Displays the quantity of fuel remaining in the tank
- ④ **Average fuel consumption display**
The average fuel consumption that is linked with the contents of the mileage display can be displayed. (→P. 97)
- ⑤ **Mileage display (odometer/trip meters/driving range)**
The possible driving range estimated from the mileage and current remaining fuel amount can be displayed. (→P. 97)
- ⑥ **Sub-screen**
When split screen is selected for the main display, information such as the Hybrid System Indicator and current fuel consumption can be displayed. (→P. 99)


Display contents (vehicles with RSA [Road Sign Assist])



- ① **Speedometer**
Displays the vehicle speed
- ② **Outside temperature**
Displays the outside temperature within the range of -40°C (-40°F) to 50°C (122°F).
The temperature display flashes for approximately 10 seconds when the outside temperature drops to approximately 3°C (37°F) or less, and then stops flashing.
- ③ **Fuel gauge**
Displays the quantity of fuel remaining in the tank
- ④ **Mileage display (odometer/trip meters/driving range)**
The possible driving range estimated from the mileage and current remaining fuel amount can be displayed. (→P. 97)
- ⑤ **Average fuel consumption display**
The average fuel consumption that is linked with the contents of the mileage display can be displayed. (→P. 97)
- ⑥ **Sub-screen (when RSA [Road Sign Assist] is off)**
Information such as the Hybrid System Indicator and current fuel consumption can be displayed. (→P. 100)
- ⑦ **Sub-screen (when RSA [Road Sign Assist] is on)**
Displays information related to RSA (Road Sign Assist)*. (→P. 275)

*: When RSA (Road Sign Assist) information is displayed in the  screen of the multi-information display (→P. 125), RSA (Road Sign Assist) information is not displayed on the sub-screen.

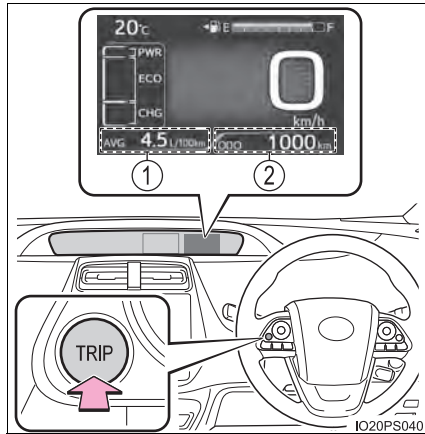
Switching the average fuel consumption display and mileage display



Each time  is pressed, the fuel consumption display and mileage display change in the following order from 1 to 6.


- ① Average fuel consumption display
- ② Mileage display

After 1 to 6 are displayed, the displays return to 1.

Use the displayed average fuel consumption as a reference.



	① Average fuel consumption display	② Mileage display
1	Average fuel consumption since last reset Average fuel consumption since last reset* ¹	ODO (Odometer) Total mileage
2	TRIP A average fuel consumption Average fuel consumption since TRIP A was reset* ¹	TRIP A (Trip meter A) Mileage since last reset* ¹
3	TRIP B average fuel consumption Average fuel consumption since TRIP B was reset* ¹	TRIP B (Trip meter B) Mileage since last reset* ¹
4	Average fuel consumption after hybrid system started Average fuel consumption since hybrid system was started* ²	 (Mileage since hybrid system was started) Mileage since hybrid system started* ²
5	Blank screen	 (Distance to empty) Approximate distance vehicle can travel based on current remaining fuel amount
6	Blank screen	Blank screen









*1: If  is pressed and held while this item is displayed, the information is reset.

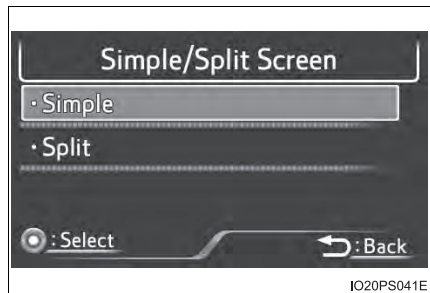
*2: This item is reset each time the hybrid system starts.

Switching the display mode (vehicles without RSA [Road Sign Assist])

Simple screen or split screen can be selected for the main display.


When split screen is selected, a variety of information can be displayed on a sub-screen in addition to the contents of the simple screen.

- 1 Select the “Meter Customize” settings () screen on the  screen of the multi-information display, and then press  .
(→P. 126)
- 2 Press  or  of the meter control switches to select “Simple/ Split Screen”.
- 3 Press  to display the setting screen.
- 4 Press  or  of the meter control switches to select a display mode.



- 5 Press  .

The contents of the main display switch to the selected display mode.

Press  to return to the previous screen.



Switching contents displayed on the sub-screen

- ▶ Vehicles without RSA (Road Sign Assist)

When split screen is selected for the main display, display contents on the sub-screen can be selected.

- ▶ Vehicles with RSA (Road Sign Assist)

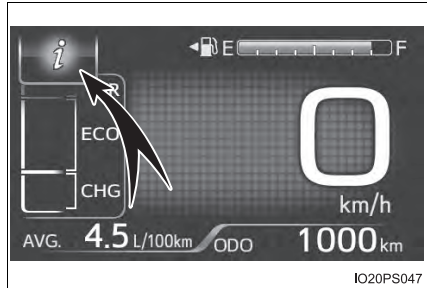
When RSA is off, display contents on the sub-screen can be selected.



- 1 Press  or  of the meter control switches and select the sub-screen.

When the sub-screen is selected,

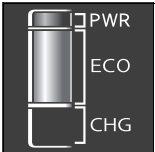
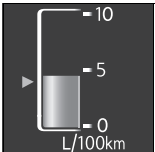






is displayed on the sub-screen.



- 2 Press  or  of the meter control switches to select the display item.

One of the following 3 items can be displayed.

Display contents	Detail
	<p>Hybrid System Indicator</p> <p>A convenient Hybrid System Indicator is displayed. Refer to P. 107 for details on how to read the Hybrid System Indicator.</p>
	<p>Current fuel consumption</p> <p>The current fuel consumption during driving is displayed.</p> <ul style="list-style-type: none"> • The  mark indicates the value displayed in the average fuel consumption display (→P. 97). Switching the average fuel consumption display also changes the position of the  mark. • When the average fuel consumption is reset, the position of the  mark is reset to 0.

Display contents	Detail
	<p>Hybrid battery (traction battery) status The same contents as the hybrid battery (traction battery) status on the energy monitor are displayed. (→P. 106)</p>

■ Outside temperature display

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

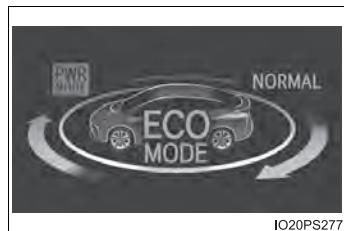
■ Distance to empty

- 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.

■ Switching the driving mode (→P. 300)

When the driving mode is switched, the driving mode indicator changes and an animation* is displayed on the multi-information display.

Also, the background color of the main display, energy monitor (→P. 105) and Hybrid System Indicator (→P. 107) change as follows.



Driving modes	Background color
Normal mode	Green
Power mode	Red
Eco drive mode	Blue



*: The animation displayed when the driving mode is switched can be turned off in the “Meter Customize” settings. (→P. 128)

Multi-information display

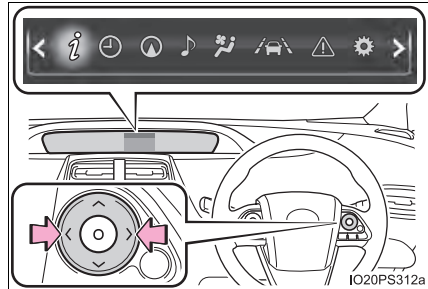
A variety of information related to the vehicle can be displayed, including the operation status of each system and data related to Eco driving, and the settings of each system can be changed according to user preference.









Display contents

Information related to each icon on the upper portion of the multi-information display can be displayed by operating the meter control switches to select the icon.

Icons are displayed when pressing  or  of the meter control switches and turn off shortly after pressing the switch.

Screens linked with vehicle functions may be automatically displayed according to the operation status of the corresponding functions.





Menu icons	Contents	Pages
	Drive information The energy monitor that shows the operation status of the hybrid system, or other information such as fuel consumption is displayed.	P. 104
	Clock setting display The clock settings can be changed.	P. 119
	Navigation system-linked display*1 The information related to the navigation system is displayed.	P. 120
	Audio system-linked display The audio system settings can be changed.	P. 120
	Air conditioning system settings screen The air conditioning system settings can be changed.	P. 121
	Driving assist system information The information related to driving assist systems such as the LTA (Lane Tracing Assist)*1 and dynamic radar cruise control with full-speed range*1 is displayed.	P. 125
	Warning message display*2 The warning messages are displayed.	P. 125
	Settings display The settings of the vehicle functions, meter display, etc. can be changed.	P. 126

*1: If equipped

*2: When there is a warning message that can be displayed, the color of changes to amber.





Basic Operations


- 1 Press  or  of the meter control switches and select the icon of the desired item.




The selected icon is highlighted and the display switches to the information screen.

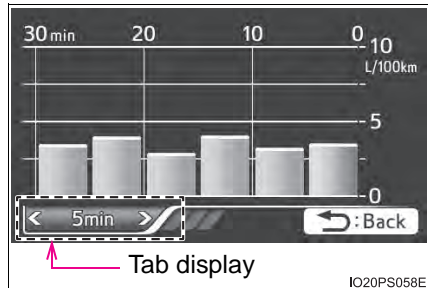
When split screen display is selected for the main display or RSA (Road Sign Assist)* is off, the sub-screen of the main display can also be selected. (→P. 100)


*: If equipped

- 2 Press  or  of the meter control switches to switch the contents of the display.

- 3 Press  on screens where it is necessary to select or confirm an item.




On screens with tab displays, pressing  selects the tab display, and the screen display can be changed by pressing  or  of the meter control switches.



- 4 Press  to return to the previous screen.



Drive information

When  is selected, the following information can be displayed by pressing  or  of the meter control switches.

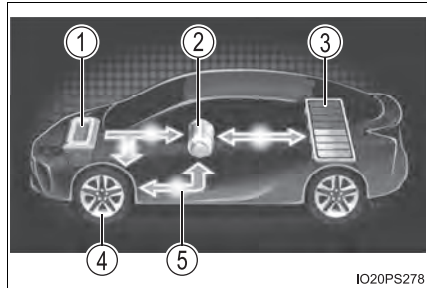
- Energy monitor (→P. 105)
- Hybrid System Indicator (→P. 107)
- “Fuel Consumption Record” (→P. 111)
- “Drive Monitor” (→P. 113)
- “Eco Savings” (→P. 114)
- “Eco-Diary” (→P. 117)

◆ Energy monitor

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

When energy is flowing, an arrow appears and a bright point of light moves to show the direction of the flow of energy. When energy is not flowing, the bright point of light is not displayed.

- ① Gasoline engine
- ② Electric motor (traction motor)
- ③ Hybrid battery (traction battery)
- ④ Tire
- ⑤ Bright point of light showing the flow of energy



As an example, all arrows are shown in the illustration, but the actual contents of the display will differ.

(Display example)

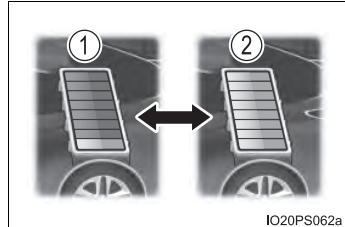
- When the hybrid battery (traction battery) is being charged, the bright point of light moves towards ③.
- During driving, the bright point of light moves from ① or ② (or both depending on the situation) towards ④.*
- During driving, the image of the tires rotates.

*: The display may differ depending on the driving status.

■ Hybrid battery (traction battery) status

- The display changes in 8 levels according to the remaining charge amount of the hybrid battery (traction battery).

- ① Low
- ② High



- The hybrid battery (traction battery) status is also displayed on the following screen, but the contents of the display are the same.
 - Sub-screen of the main display (→P. 101)
 - Hybrid System Indicator (→P. 107)
 - Head-up display (if equipped) (→P. 132)
- The charge amount of the hybrid battery (traction battery) is automatically controlled by the hybrid system. For this reason, even if electricity is recovered via the regenerative braking, or electricity is generated via the gasoline engine, the displayed hybrid battery (traction battery) charge amount may not reach the highest level (level 8). However, this does not indicate a malfunction.

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

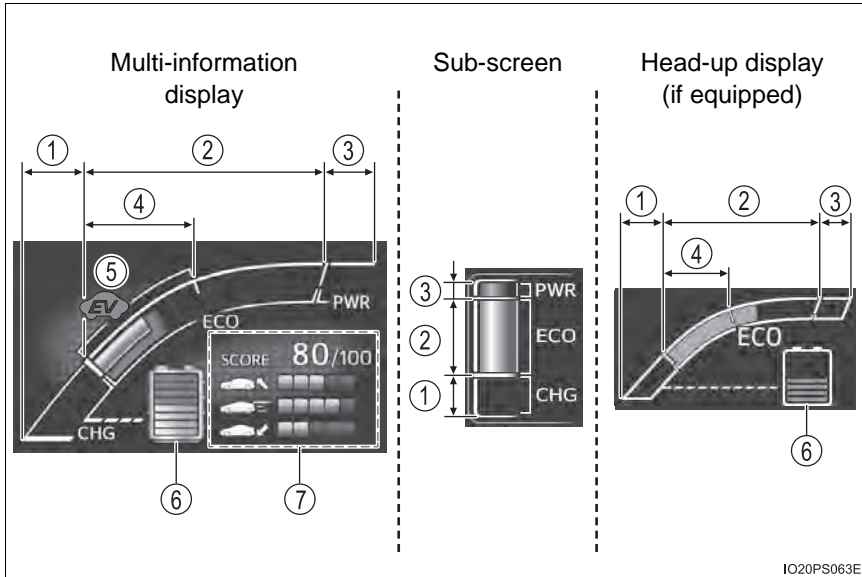
- The buzzer sounds intermittently when the hybrid battery (traction battery) remains without charging while the shift position is in N, or the remaining charge amount drops below a certain level. If the remaining charge amount drops further, the buzzer sounds continuously.
- When a warning message is shown on the multi-information display and the buzzer sounds, follow the instructions displayed on the screen to perform troubleshooting.

◆ Hybrid System Indicator

The display changes according to accelerator pedal operation and displays the current driving status and energy regeneration status.

The Hybrid System Indicator can be displayed on the sub-screen of the main display (→P. 100) and the head-up display (if equipped) (→P. 132).

■ How to read the display



① Charge area

Shows that energy is being recovered via the regenerative charging.

② Eco area

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

③ Power area

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

④ Hybrid Eco area*¹

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

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

⑤ EV indicator*2, 3

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

⑥ Hybrid battery (traction battery) status

→P. 106

⑦ Eco score

→P. 109

- By keeping the indicator within Eco area, more Eco-friendly driving can be achieved.
- Charge area indicates regeneration*4 status. Regenerated energy will be used to charge the hybrid battery (traction battery).

*1: Not displayed on the sub-screen.

*2: Not displayed on the sub-screen or head-up display.

*3: The EV indicator function can be turned off in the “Meter Customize” settings. (→P. 128)

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

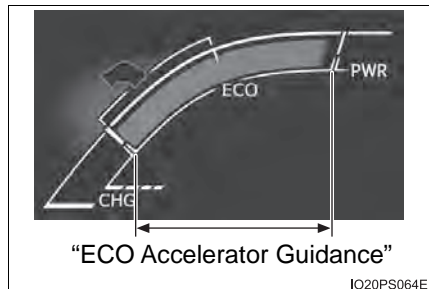
■ “ECO Accelerator Guidance”

A blue zone is displayed in 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 starting 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 “ECO Accelerator Guidance” range. (→P. 194)

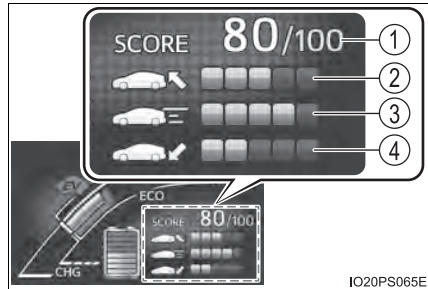
The “ECO Accelerator Guidance” function can be turned off in the “Meter Customize” settings. (→P. 128)



■ Eco score

The driving status for the following 3 situations are evaluated in 5 levels: Smooth start-off acceleration (“Eco-Start”), driving without sudden acceleration (“Eco-Cruise”) and smooth stopping (“Eco-Stop”). Each time the vehicle is stopped, a score result is displayed out of a perfect score of 100 points.

- ① Score result
- ② “Eco-Start” status
- ③ “Eco-Cruise” status
- ④ “Eco-Stop” status



How to read the bar display:

Score	Low*	High
Bar display		

*: For items not currently evaluated, the display reads 0.

- The Eco score is reset each time the vehicle starts off to start a new evaluation.
- When the shift position is P, only the Eco score display area is enlarged and displayed. When the shift position is shifted from P, the display returns to normal.
- When the hybrid system stops, the current total score result and advice on how to increase the score are displayed. (→P. 82)

■ When operation of each function stops

- The Hybrid System Indicator stops operating in the following situations.
 - The “READY” indicator is not illuminated.
 - The shift position is not D or B.
- The Eco score and “ECO Accelerator Guidance” stop operating in the following situations.
 - The Hybrid System Indicator is not operating.
 - Cruise control (if equipped) or dynamic radar cruise control with full-speed range (if equipped) is being used.

■ About the Eco score

- After starting off, Eco score display does not start until the vehicle speed exceeds approximately 30 km/h (19 mph).
- In addition to the vehicle driving status, the Eco score also evaluates the air conditioning system usage condition (→P. 123). The score displayed when the hybrid system stops is the total result of the driving status after the hybrid system starts and the air conditioning usage condition.

◆ “Fuel Consumption Record”

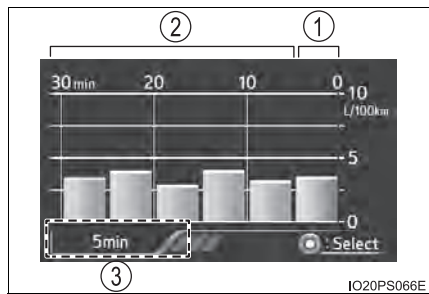
The transitions of the average fuel consumption after the hybrid system starts can be checked in such a unit as every 5 minutes or every 1 km (0.6 mile) of driving. Also, it is possible to check the average fuel consumption history for each month by switching to the “Monthly” display.

■ How to read the screen

The “5 min” display is shown as an example. However, the basic method for how to read the screen is the same for each fuel consumption history screen.

- ① Current average fuel consumption record (yellow display)*

When the recorded unit is exceeded (every 5 min., every 1 km [0.6 mile], etc.) the currently displayed history moves towards the left side and the oldest record is deleted.



- ② Past average fuel consumption record (green display)
③ Tab display



Displays types of “Fuel Consumption Record”.

*: When displayed by “Monthly”, the average fuel consumption for the current month is displayed.

■ Types of “fuel Consumption Record”

Tab display	Recorded contents	Recorded range
“5 min”	Average fuel consumption of every 5 minutes* ¹	The past 30 minutes
“1 km”	Average fuel consumption of every 1 km (0.6 mile) driven* ¹	The last 15 km (9.3 miles) driven
“5 km”	Average fuel consumption of every 5 km (3.1 miles) driven* ¹	The last 30 km (18.6 miles) driven
“Monthly”	Average fuel consumption of this month* ^{2, 3}	Record of last 4 months and the same month of the previous year

*1: This record is reset each time the hybrid system stops.

*2: The maximum value of the graph can be switched in 3 levels (10 L/100 km, 6 L/100 km and 3 L/100 km) by operating the  or  of the meter control switches while the “Monthly” tab display is selected.



*3: The “Monthly” record can be reset on the “Meter Customize” settings screen. (→P. 128)



■ Switching the fuel consumption history screen

- 1 While the “Fuel Consumption Record” screen is displayed, press



The tab display is selected and it is possible to switch the contents of the display.

- 2 Press  or  of the meter control switches to switch the contents of the display.

Each time  is pressed, the display switches in the following order: “5 min”, “1 km”, “5 km” and “Monthly”*. When  is pressed, it switches in the reverse order.

*: After “Monthly”, the display returns to “5 min”.

■ Calendar settings

→P. 130

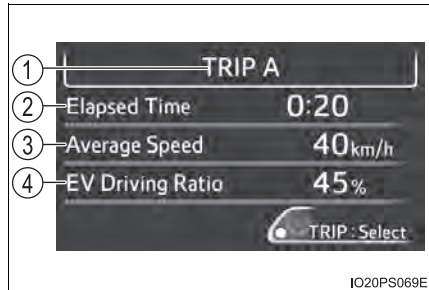
◆ “Drive Monitor”

Displays information such as the driving time and average vehicle speed, which are linked with the current mileage display. (→P. 97)


- ① Current contents of the display



Displayed information shows which driving record the currently displayed contents are based on.

- ② “Elapsed Time”
③ “Average Speed”
④ “EV Driving Ratio”



For the displayed distance of the mileage display, the percent traveled using only electric motor power is displayed.

Each time  is pressed, the mileage display (→P. 97) switches and the contents of the “Drive monitor” change as follows.

Mileage display	①	Contents of the “Drive monitor”
ODO	After Reset	Information since last reset*1
TRIP A	TRIP A	Information based on driving record of TRIP A*2
TRIP B	TRIP B	Information based on driving record of TRIP B*2
	After Start	Information since hybrid system was started*3
		
Blank screen		

*1: When the average fuel consumption is reset (→P. 98), the “Drive monitor” display is also reset.

*2: When the trip meter is reset (→P. 98), the “Drive monitor” display is also reset.

*3: This item is reset each time the hybrid system starts.

◆ “Eco Savings”

“Gasoline Price”^{*1} and “COMP. Consumption” information is registered in the “Meter Customize” settings (→P. 128), making it possible to display 2 types of information related to gasoline fuel consumption.

▶ “SAVINGS”

If information about the vehicle used to compare fuel consumption (“COMP. Consumption”) is entered, when the fuel consumption of this vehicle according to the mileage of the trip meter^{*2} is greater than that of the comparison vehicle, an estimation^{*3} of the amount of the fuel cost savings is displayed.

▶ “FUEL COST”

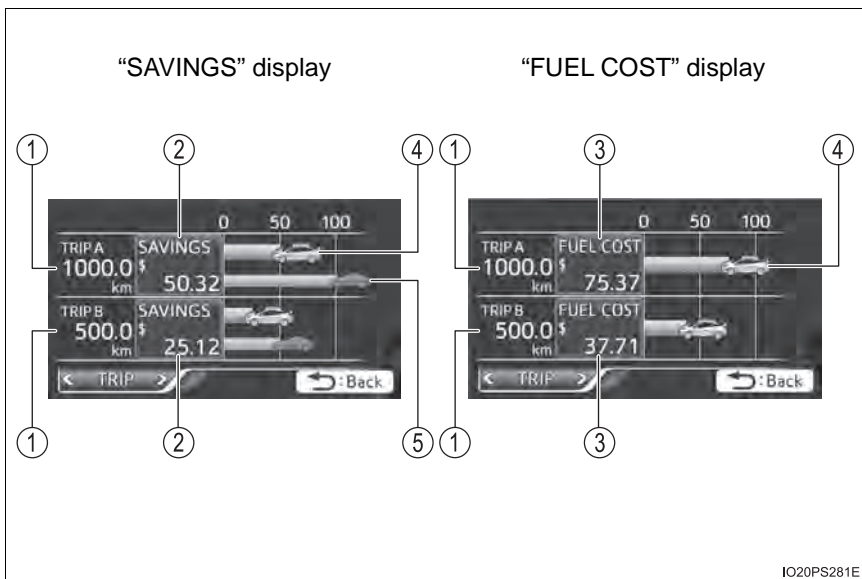
If information about the vehicle used to compare fuel consumption (“COMP. Consumption”) is not entered, an estimation^{*3} of the amount of fuel cost savings is displayed according to the mileage of the trip meter^{*2}.

*1: “Gasoline Price” is information necessary to display the “SAVINGS” and “FUEL COST” records.

*2: The display can be switched from the mileage history to the history by month. (→P. 116)

*3: The displayed amount is only an estimate, and may differ from the actual amount.




■ How to read the display




- ① Trip meter distance traveled*
- ② Estimate of fuel consumption saved for displayed distance traveled*
- ③ Estimate of fuel expenses necessary to drive currently displayed distance*
- ④ Estimate of fuel expenses to drive currently displayed distance (your vehicle)*
- ⑤ Estimate of fuel expenses to drive currently displayed distance (comparison vehicle)*

*: When the trip meter is reset (→P. 98), the "Eco Savings" record is also reset.

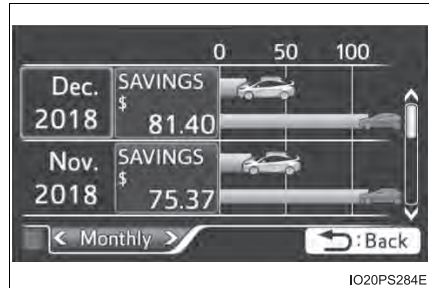
■ Checking monthly record

The display can be switched to “TRIP” or “Monthly” by pressing  with the tab display selected, and then pressing  or  of the meter control switches.

Using the “Monthly” display, the monthly records for “SAVINGS” and “FUEL COST” can be checked.

The records for the past 5 months can be displayed by operating  of the meter control switches with the “Monthly” tab display selected.

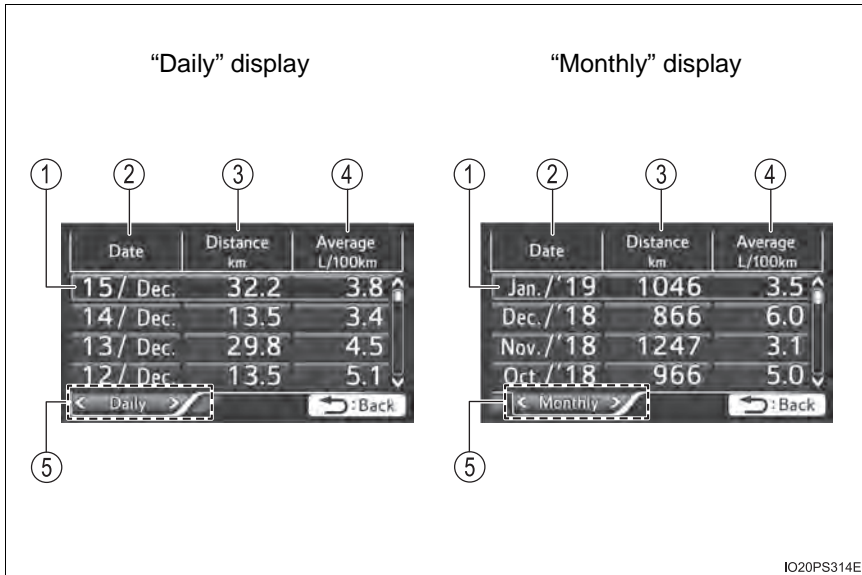
To reset the “Monthly” contents, perform “History Reset” in the “Meter Customize” settings (→P. 128).



◆ “Eco-Diary”

The distance traveled and average fuel consumption history can be displayed in a table according to day (“Daily”) or month (“Monthly”) units.

■ How to read the display





- ① Record of the day/month
- ② Date/month of stored information
- ③ Total distance traveled for the day/month
- ④ Average fuel consumption of the day/month
- ⑤ Tab display

The display can be switched between “Daily” and “Monthly” by pressing



to enter the select condition, and then operating **<** or **>** of the meter control switches.

■ Checking history

When each screen is selected, past records from the following ranges can be displayed by pressing  or  of the meter control switches.

Displayed screen	Displayed information	Stored information
“Daily”	4 reports	Up to 32 reports (8 screens)
“Monthly”		Up to 12 reports (3 screens)

- If the above number of records is exceeded, the oldest information is deleted.
- To reset the history, perform “History Reset” in the “Meter Customize” settings (→P. 128). (“Daily” and “Monthly” information can be reset independently.)

■ Calendar settings

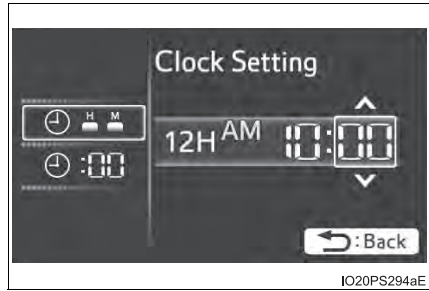
→P. 130



Clock setting display

The clock settings can be changed.

Item	Setting result
	Adjusts the clock. (→P. 83)
	Sets the minutes to "00". (→P. 84)





Navigation system-linked display (if equipped)

Displays a compass linked with the navigation system. Also, when the navigation system is performing intersection guidance during destination guidance, the intersection guidance is also displayed on the multi-information display.

The illustration is only an example and may differ from the actual screen.

For details on how to set the destination and switch the map direction, refer to "Navigation and Multimedia System Owner's Manual".



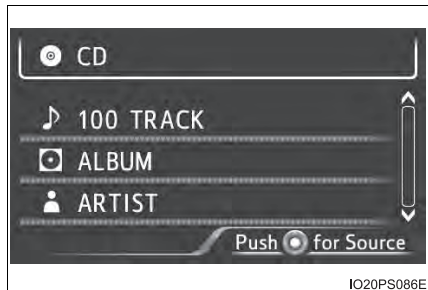
Audio system-linked display

The information about the currently selected audio source is displayed.

The illustration is only an example and may differ from the actual screen.

To switch the audio source, press to display the audio source selection screen, press or of the meter control switches and select the desired audio source, and then press .



To stop audio source selection, press on the audio source selection screen.





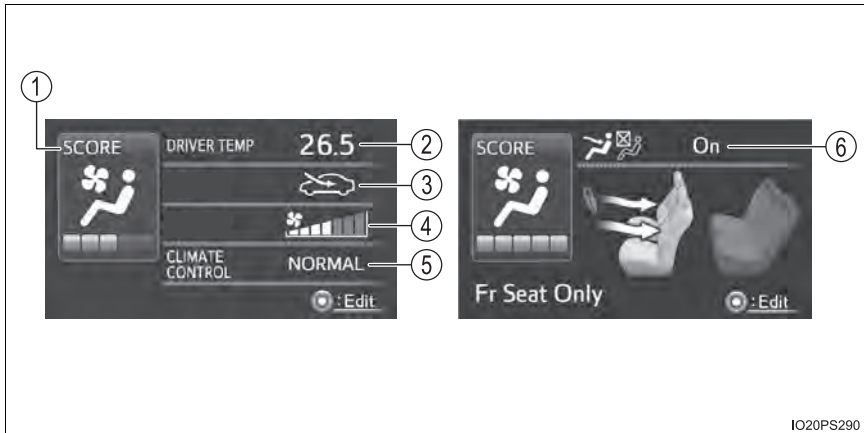
Air conditioning system settings screen



The condition of the air conditioning system settings can be checked on the screen and the air conditioning system settings can be changed using the meter control switches.

On the air conditioning settings screen, press  or  of the meter control switches to switch the contents of the display.

For details regarding the air conditioning system function, refer to P. 330.

■ Screen display and setting items that can be changed








Item		Settings		
①	Eco score (A/C score)	→P. 123		
②	Temperature setting	Changes according to operation of the meter control switches*1		
③	Outside air and recirculated air modes	 (Outside air mode)	 (Recirculated air mode)	
④	Fan speed	1 to 7		
⑤	“CLIMATE CONTROL”	“NORMAL”		“ECO”
⑥	Front seat concentrated air-flow mode (S-FLOW)	“On (Driver Priority)”*2	“On (Fr Seat Only)”*2	“Off (All seat)”

*1: “LO” is displayed if the temperature is adjusted to the lowest setting, and “HI” is displayed if the temperature is adjusted to the highest setting.

*2: The selectable modes differ depending on whether a passenger is present. (→P. 332)

■ Adjusting the settings

- 1 Press  to display the cursor.
- 2 Press  or  of the meter control switches to select the desired item to set.
- 3 Press  or  of the meter control switches to select the setting item or setting value.

The air conditioning system cannot be stopped by performing operations on the air conditioning settings screen. Please use the air conditioning switch to stop the air conditioning system.

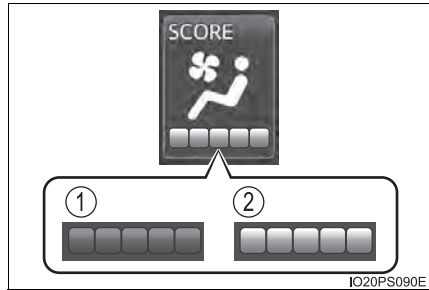
■ Eco score (A/C score)

The current air conditioning system usage status is evaluated in 5 levels to determine whether it is Eco-friendly.

The evaluation changes according to the air conditioning system usage status. When the power switch is turned off, the current total driving score*1 and advice*2 related to using the air conditioning system are displayed. (→P. 82)

- ① Low score*3
- ② High score

Avoiding excessive use of the air conditioning system and using the air conditioning system at the appropriate setting according to the ambient temperature and number of passengers and with the front seat concentrated airflow mode (S-FLOW) (🌀) and "CLIMATE CONTROL" will result in a high evaluation.



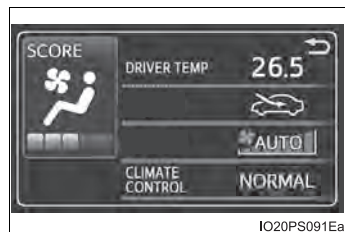
*1: The Eco score (A/C score) is not evaluated for approximately 1 minute after the power switch is turned to ON mode.

*2: This advice may not be displayed depending on the situation.

*3: For items not evaluated with an Eco score (A/C score), the display reads 0.



■ Operating switches of the air conditioning system operation panel

- When the air conditioning system switches are operated to change the air conditioning settings while a screen other than the air conditioning system settings screen is displayed on the multi-information display, a pop-up display for the air conditioning settings contents is displayed. However, air conditioning system settings cannot be changed on the pop-up display.



- The pop-up display function that displays when the air conditioning settings are changed using the air conditioning system switches can be turned off in the "Meter Customize" settings. (→P. 128)

■ Eco score (A/C score)

- The setting status of the following air conditioning system functions are reflected in the score.
 - Temperature setting
 - Fan speed setting
 - Outside air and recirculated air modes
 - “A/C” button
 - Front seat concentrated airflow mode (S-FLOW)
 - “CLIMATE CONTROL”
- The Eco score (A/C score) is evaluated according to the ambient temperature and cabin temperature. Accordingly, even if the same settings are always used for the air conditioning system, the evaluation will change according to such factors as the season and weather.
- When the air conditioning system is not being used or the airflow mode is set to  or , the Eco score (A/C score) is not evaluated. (While the air conditioning system is not evaluated, its usage status is not reflected in the total Eco score result.)
- The Eco score (A/C score) is a function that helps select an air conditioning system setting which reduces fuel consumption, not a function that satisfies both comfortability and low fuel consumption.



Driving assist system information

The operation status of driving support system such as the LTA (Lane Tracing Assist) (if equipped) and dynamic radar cruise control with full-speed range (if equipped) and warning information are displayed.

For details regarding the driving support functions, refer to the page for the corresponding function.





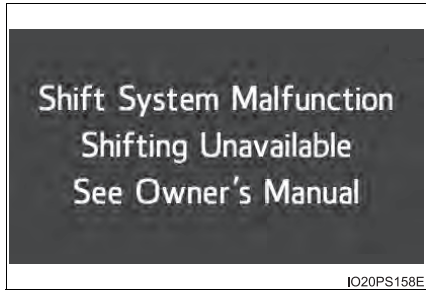
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Warning message display

The warning messages that have been displayed since the power switch was turned to ON mode can be checked.

When multiple warning messages have been displayed, the display can be switched by pressing  or  of the meter control switches.



IO20PS158E

Warning messages that have been currently cleared and some warning messages are not displayed. Also, when there are no warning messages that can be checked, the display indicates that there are no messages.



Settings display

The operation contents of the driving support systems and settings related to the combination meter display can be changed.

Driving support systems such as the PCS (Pre-Collision System) (if equipped) and Blind Spot Monitor (if equipped) is turned on and off by simply pressing . Make sure not to cancel the systems accidentally.

■ Setting procedure

- 1 Press or of the meter control switches on the steering wheel and select .

- 2 Press or of the meter control switches and select the item to change, and then press .

If the function is turned on and off or the sensitivity, etc. is changed on the setting screen, the setting is changed each time the is pressed.

For functions that allow operation contents, display contents, etc., of a function to be selected, the setting screen is displayed.

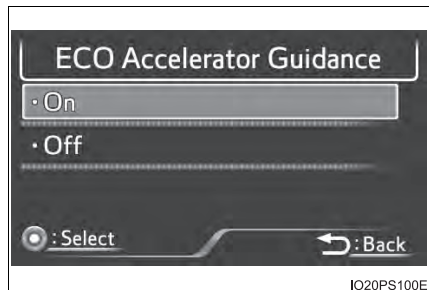


- 3 When the setting screen is displayed, select the setting or desired value (time, etc.) with the meter control switches.*1, 2

For selectable operation contents and setting values, select the desired setting or value, and then press .

To stop the selection, press .














When the setting check screen is displayed, select proceed or cancel and press .




*1: Depending on the items, a subsequent setting screen may be displayed after selecting an item.


*2: For items which set the adjustment level or time, after the item is set, the setting screen remains displayed until is pressed.

■ Settings table

Item	Settings	Setting result
 *	"On"	Turns the LTA (Lane Tracing Assist) lane centering function on and off. (→P. 260)
	"Off"	
 *	"On"	Turns the LTA (Lane Tracing Assist) steering assist function on and off. (→P. 260)
	"Off"	
 *	"High"	Switches the LTA (Lane Tracing Assist) alert sensitivity. (→P. 260)
	"Standard"	
 *	"On"	Turns the PCS (Pre-Collision System) on and off. (→P. 253)
	"Off"	
 *	Early	Switches the PCS (Pre-Collision System) warning timing. (→P. 253)
	Middle	
	Late	
 *	"On"	Turns the Blind Spot Monitor on and off. (→P. 303)
	"Off"	
 *	"On"	Turns the LTA (Lane Tracing Assist) vehicle sway warning on and off. (→P. 260)
	"Off"	
 *	"High"	Switches the LTA (Lane Tracing Assist) vehicle sway warning sensitivity. (→P. 260)
	"Standard"	
	"Low"	
 *	Height	Changes the display position and brightness of the head-up display. (→P. 135)
	Brightness	
 *	"On"	Turns the RSA (Road Sign Assist) on and off. (→P. 275)
	"Off"	
 *	"On"	Turns the Dynamic Radar Cruise Control with Road Sign Assist on and off. (→P. 290)
	"Off"	
	Meter brightness	Changes the brightness of instrument cluster light. (→P. 80)
	"Meter Customize" settings: →P. 128	

Item	Settings	Setting result
	“Vehicle Settings” settings: →P. 522	


*: If equipped

■ **“Meter Customize” settings** ()

Item	Settings		Setting result
“Simple/Split Screen” ^{*1}	“Simple”		Switches the display mode of the main display. (→P. 99)
	“Split”		
“Screen OFF” ^{*2}	“Yes”		Turns the multi-information display off.
	“No”		
“HV System Indicator” (→P. 107)	“ECO Accelerator Guidance”	“On”	Turns the “ECO Accelerator Guidance” on and off.
		“Off”	
	“EV Indicator Light On/Off”	“On”	Turns the EV indicator on and off.
		“Off”	
“Pop-up Display On/Off”	“Navigation” ^{*1}	“On”	Turns the pop-up display of the selected item on the multi-information display on and off.
		“Off”	
	“Gasoline Price”	“On”	
		“Off”	
	“Climate settings”	“On”	
		“Off”	
	“Cruise Control Operation Display”	“On”	
		“Off”	
	“HUD Settings” ^{*1}	“On”	
		“Off”	
	“Driving Mode Select”	“On”	
		“Off”	
“Calendar”	Day/Month/Year		Changes the date used to record fuel consumption data.

Item	Settings		Setting result
"Eco Savings" (→P. 114)	"Gasoline Price"		Registers data used to calculate and record "Eco Savings".
	"COMP. Consumption"		
"History Reset"	"Monthly Fuel Consumption"	"Yes"	Deletes data of "Fuel Consumption Record (Monthly)". (→P. 111)
		"No"	
	"Eco Savings (Monthly)"	"Yes"	Deletes data of "Eco Savings (Monthly)". (→P. 114)
		"No"	
	"Eco-Diary (Daily)"	"Yes"	Deletes data of "Eco-Diary (Daily)". (→P. 117)
		"No"	
	"Eco-Diary (Monthly)"	"Yes"	Deletes data of "Eco-Diary (Monthly)". (→P. 117)
		"No"	
"Initialization"	"Yes"		Returns the combination meter settings to their initial settings.
	"No"		

*1: If equipped

*2: When the screen is turned off, pressing  displays the setting screen again.

■ Setting items

- “Meter Customize” and “Vehicle Settings” setting items are not selectable during driving and cannot be operated.
Also, the settings screen is temporarily canceled in the following situations.
 - A warning message is displayed.
 - The vehicle starts off.
- 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.


■ Calendar settings

- Calendar settings contents are linked to the recorded information of “Fuel Consumption Record (Monthly)” (→P. 111) and “Eco-Diary” (→P. 117).
When the calendar date is changed, each record is processed as follows:

Contents of date change	“Fuel Consumption Record (Monthly)” record	“Eco-Diary” record
Date changed to future date	Not cleared*	Not cleared*
Date changed to before last month	Cleared	All cleared
Date changed to earlier date within current month	Not cleared	Only “Daily” data cleared

*: Month/date information not recorded is set to “0” or “0.0”.

- When the recorded contents of “Fuel Consumption Record (Monthly)” are changed due to changing the calendar settings, the “Monthly” information of “Eco Savings” (→P. 114) is also changed.

 **WARNING****■ Cautions while 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.

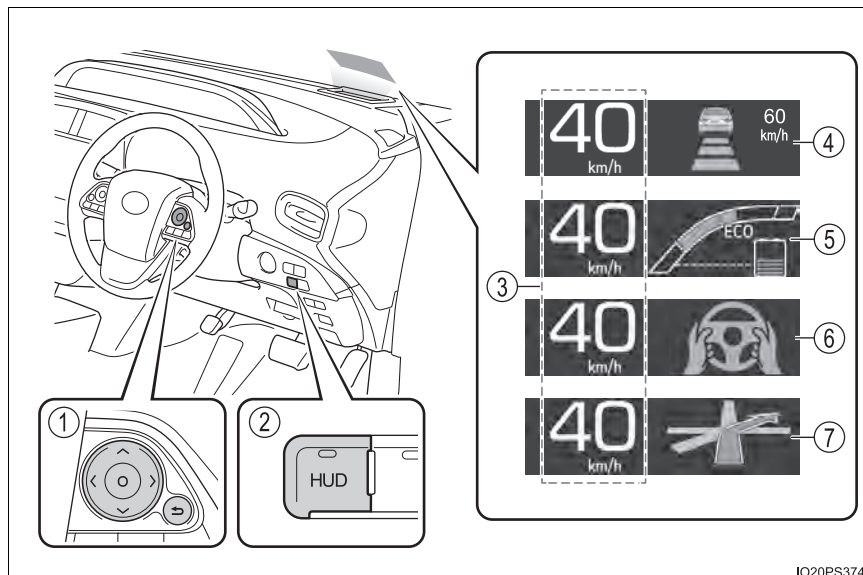
 **NOTICE****■ While setting up the display**

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

Head-up display*

The head-up display can display the current vehicle speed and Hybrid System Indicator in front of the driver. Also, it can display various types of information to assist the driver.

Operation switches and display contents



IO20PS374

① Meter control switches

These switches are used when adjusting the display position and brightness of the head-up display. (→P. 135)

② “HUD” (Head-up display) switch (→P. 133)

③ Vehicle speed display

④ Cruise control display

Dynamic radar cruise control with full-speed range:

Displays the set speed and approach warning display. (→P. 279)

⑤ Hybrid System Indicator (→P. 107)

*: If equipped

⑥ Insert display (→P. 136)

This display inserts information from each driving support system according to driving conditions.

⑦ Route guidance display (vehicles with navigation system)
(→P. 137)

This display is automatically shown when the navigation system is performing route guidance.

“HUD” (Head-up display) switch

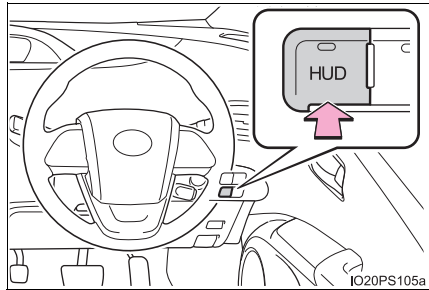
The “HUD” switch can be used to turn the head-up display on and off, or switch the display contents.

■ When the head-up display is off

Pressing the “HUD” switch turns the head-up display on and starts the display.

The indicator light on the “HUD” switch comes on.

The display position and brightness adjustment screen is automatically displayed on the multi-information display. (→P. 135)



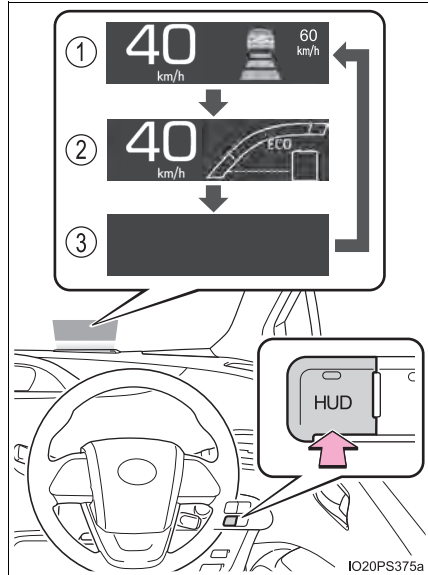
■ When the head-up display is on

Display items can be switched by pressing the “HUD” switch.

- ① Vehicle speed display and cruise control display*
- ② Vehicle speed display and Hybrid System Indicator*
- ③ No display (head-up display is off)

The indicator light on the “HUD” switch turns off.

*: When the insert display of each driving support system is displayed, the display is temporarily turned off.





Display position and brightness adjustment

In order to improve the visibility of the head-up display, the display position and brightness can be adjusted.

- 1 Displaying the adjustment screen on the multi-information display.

When the head-up display is on:



Select **HUD** on the  screen of the multi-information display, and then press . (→P. 126)



When the head-up display is off:


When the “HUD” switch is pressed, the adjustment screen for the head-up display automatically displays.*1

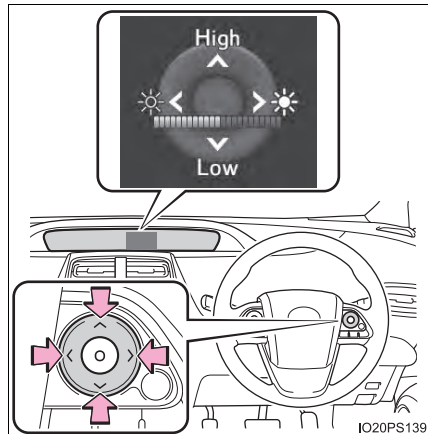
If an adjustment operation is not performed for approximately 6 seconds*2, the multi-information display automatically returns to the previous screen.

- 2 Adjusting the display position and brightness by operating the meter control switches.

When  or  is pressed, the position of the head-up display changes.

When  or  is pressed, the brightness of the head-up display changes.

When the  is pressed, the multi-information display returns to the previous screen.



*1: This function can be turned off. (→P. 128)

*2: The adjustment screen may suddenly be canceled if it is interrupted by a warning message shown on the display.

Insert display

■ Insert displays of the driving support systems

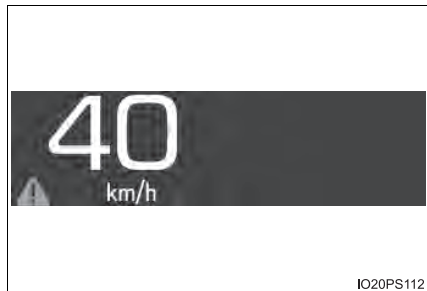
Insert displays are linked with the operation of the following systems and used to show some of the information shown on the multi-information display on the head-up display.

System	Displayed information
PCS (Pre-Collision System) (→P. 249)	Pre-collision warning
LTA (Lane Tracing Assist) (→P. 260)	Lane departure alert function display
	Hands off steering wheel warning
	Vehicle sway warning function display
RSA (Road Sign Assist) (→P. 275)	Road signs
Dynamic radar cruise control with full-speed range (→P. 279)	Approach warning display

■ Master warning light insert display

When the master warning light (→P. 448) is illuminated or flashing, an insert display is shown on the head-up display to inform the driver.

When the master warning light is illuminated or flashing, check the message displayed on the multi-information display and perform the corresponding troubleshooting procedure. (→P. 450)



Route guidance display (vehicles with navigation system)

When the navigation system route guidance is set, convenient route guidance is displayed.

When approaching an intersection, the shape of the intersection and the remaining distance to the intersection^{*1} are displayed.

Once the vehicle is within a fixed distance from the intersection, an arrow animation^{*2, 3} is displayed to inform the driver of which direction to proceed in.



- *1: While the animation is displayed, the remaining distance to the intersection is hidden.
- *2: When the distance unit of the navigation system is "km", the animation does not display.
- *3: If the vehicle is stopped while the animation is displayed, the arrow begins flashing.

The route guidance display can be switched on and off as necessary.
(→P. 522)

■ Enabling/disabling of the head-up display

When the head-up display is turned off with the “HUD” switch, it is not displayed until the “HUD” switch is used to turn the head-up display on again. (Operation of the head-up display is not linked with the power switch.)

■ Display brightness

- The brightness of the head-up display is automatically adjusted according to the operation status of the headlights (on/off) and the brightness of the surroundings.
- When the brightness of the head-up display is adjusted to a certain level or higher, the display automatically dims when the vehicle is stopped. Once the vehicle starts off and the vehicle speed reaches approximately 5 km/h (3.1 mph) or more, the display automatically returns to its previous brightness.

■ Vehicle speed display

In extremely cold environments, the display of the speedometer and the vehicle speed of the head-up display may slightly differ.

■ Head-up display

The head-up display may seem dark and hard to see when viewed through sunglasses, especially polarized sunglasses.

■ When the 12-volt battery is disconnected

The customize settings of the head-up display will be reset.

■ Route guidance display (vehicles with navigation system)

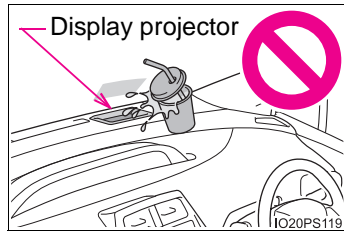
The route guidance is not displayed on both the head-up display and multi-information display simultaneously. When the route guidance is displayed on the head-up display, the multi-information display does not display the route guidance even if the navigation system-linked display (→P. 120) is selected on the multi-information display.

⚠ WARNING**■ Before 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**■ To prevent damage to components**

- 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.



Energy monitor/consumption screen

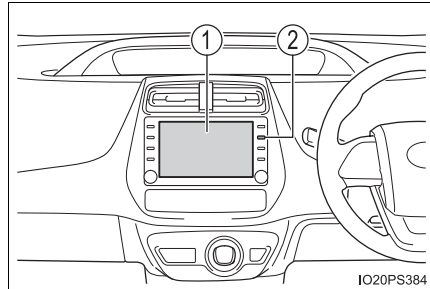
The state of the hybrid system can be viewed on the navigation or multimedia system screen.

The energy monitor and fuel consumption screen can also be displayed on the multi-information display and home screen of the navigation or multimedia system screen.

For information regarding the multi-information display, refer to P. 102.

System components

- ① Navigation or multimedia system screen
- ② "MENU" button



Energy monitor

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

■ Display procedure

- ① Press the "MENU" button.
- ② Select "Info" (vehicles without navigation function) or "Information" (vehicles with navigation function) on the "Menu" screen.
- ③ Vehicles with navigation function: 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.

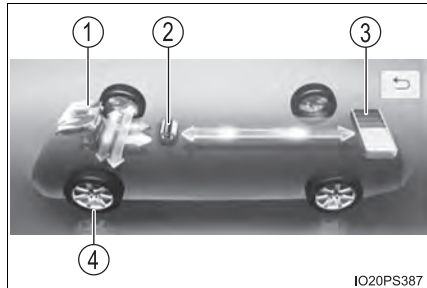
Green: When the hybrid battery (traction battery) is regenerated or charged.

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

Red: When the gasoline engine is in use.

► Navigation or multimedia system screen

- ① Gasoline engine
- ② Electric motor (traction motor)
- ③ Hybrid battery (traction battery)
- ④ Tires

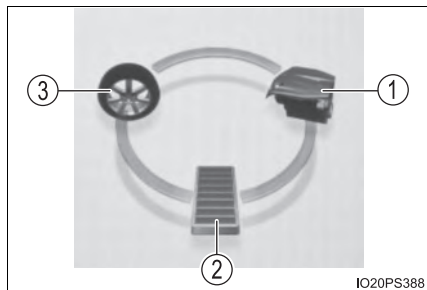


IO20PS387

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

► Navigation or multimedia system screen (Home screen)

- ① Gasoline engine
- ② Hybrid battery (traction battery)
- ③ Tires



IO20PS388

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

Consumption screen

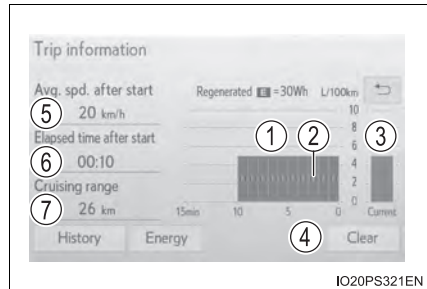
■ Display procedure

- ① Press the “MENU” button.
- ② Select “Info” (vehicles without navigation function) or “Information” (vehicles with navigation function) on the “Menu” screen.
- ③ Vehicles with navigation function: Select “ECO” on the “Information” screen.

■ Trip information

If a screen other than “Trip information” is displayed, select “Trip information”.

- ① Fuel consumption in the past 15 minutes
- ② Regenerated energy in the past 15 minutes
One **E** symbol indicates 30 Wh.
Up to 5 symbols are shown.
- ③ Current fuel consumption
- ④ Resetting the consumption data
- ⑤ Average vehicle speed since the hybrid system was started
- ⑥ Elapsed time since the hybrid system was started
- ⑦ Cruising range



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 mode.

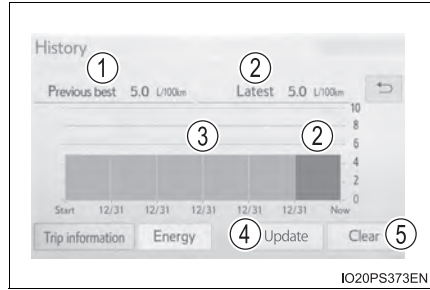
Use the displayed average fuel consumption as a reference.

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

■ History

If a screen other than “History” is displayed, select “History”.

- ① Best recorded fuel consumption
- ② Latest fuel consumption
- ③ Previous fuel consumption record
 - Vehicles without navigation function:
Displays the daily average fuel consumption. (Instead of the date, “Trip 1” through “Trip 5” will be displayed.)
 - Vehicles with navigation function:
Displays the daily average fuel consumption.
- ④ Updating the latest fuel consumption data
- ⑤ Resetting the history data



The average fuel consumption history is divided by color into past averages and the average fuel consumption since the last updated.

Use the displayed average fuel consumption as a reference.

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

■ Updating the history data

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

■ Resetting the data

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

■ 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.

■ Home screen

The average fuel consumption and distance to empty can be displayed on the home screen of the navigation or multimedia system screen.

For details of the home screen, refer to the “Navigation and Multimedia System Owner’s Manual”.

Operation of each component

3

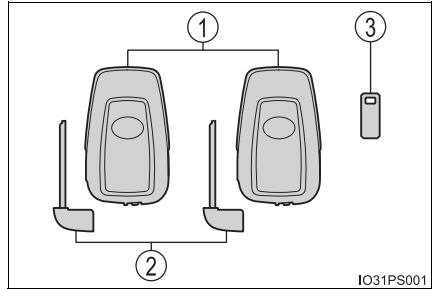
- 3-1. Key information**
 - Keys..... 146
- 3-2. Opening, closing and locking the doors**
 - Side doors..... 151
 - Back door..... 156
 - Smart entry & start system 161
- 3-3. Adjusting the seats**
 - Front seats..... 168
 - Rear seats 170
 - Head restraints 173
- 3-4. Adjusting the steering wheel and mirrors**
 - Steering wheel 177
 - Inside rear view mirror 179
 - Outside rear view mirrors 181
- 3-5. Opening and closing the windows and moon roof**
 - Power windows..... 183
 - Moon roof..... 187

Keys

The keys

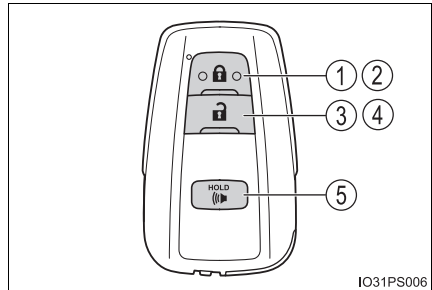
The following keys are provided with the vehicle.

- ① Electronic keys
 - Operating the smart entry & start system (→P. 161)
 - Operating the wireless remote control function
- ② Mechanical keys
- ③ Key number plate



Wireless remote control

- ① Locks all the doors (→P. 151)
- ② Closes the side windows and moon roof (if equipped)* (→P. 151)
- ③ Unlocks all the doors (→P. 151)
- ④ Opens the side windows and moon roof (if equipped)* (→P. 151)
- ⑤ Sounds the alarm (→P. 147)

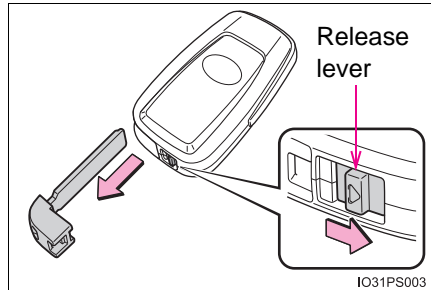


*: These settings must be customized at your Toyota dealer.

Using the mechanical key

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

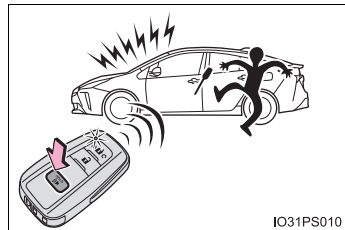


After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key. (→P. 492)

■ Panic mode

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

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



■ If you lose your mechanical keys

New genuine mechanical keys can be made by your Toyota dealer using another mechanical key and the key number stamped on your key number plate. Keep the plate in a safe place such as your wallet, not in the vehicle.

■ 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.
- As the electronic key always receives radio waves, the battery will become depleted even if the electronic key is not used. The following symptoms indicate that the electronic key battery may be depleted. Replace the battery when necessary. (→P. 419)
 - The smart entry & start system or the wireless remote control does not operate.
 - The detection area becomes smaller.
 - The LED indicator on the key surface does not turn on.You can replace the battery by yourself (→P. 419). However, as there is a danger that the electronic key may be damaged, it is recommended that replacement is carried out by your Toyota dealer.
- To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances that produce a magnetic field:
 - TVs
 - Personal computers
 - Cellular phones, cordless phones and battery chargers
 - Table lamps
 - Induction cookers

■ **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 without turning off the power switch 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. 419)

■ **Replacing the battery**

→P. 419

■ **Confirmation of the registered key number**

The number of keys already registered to the vehicle can be confirmed. Ask your Toyota dealer.

■ **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.

■ **If a wrong key is used**

The key cylinder rotates freely to isolate inside mechanism.

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

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

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

■ 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.

Side doors

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

Unlocking and locking the doors from the outside

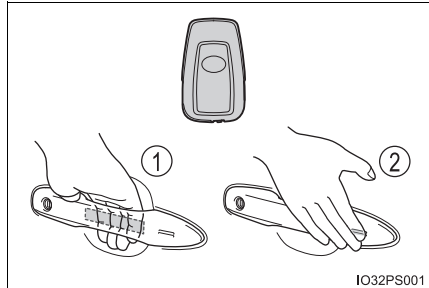
◆ Smart entry & start system

Carry the electronic key to enable this function.

- ① Grip the front door handle to unlock 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.



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

Check that the door is securely locked.

◆ Wireless remote control

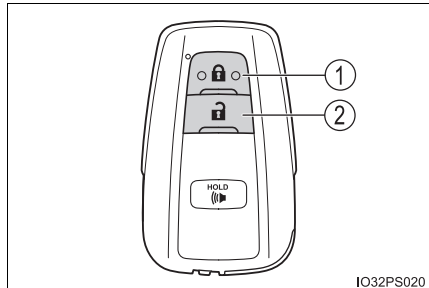
- ① Locks all the doors

Check that the door is securely locked.

Press and hold to close the side windows and moon roof (if equipped).*

- ② Unlocks all the doors

Press and hold to open the side windows and moon roof (if equipped).*



*: These settings must be customized at your Toyota dealer.

■ 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):

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

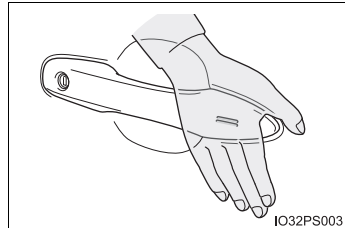
■ Security feature

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

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

When the door cannot be locked even if the lock sensor on the surface of the door handle is touched by a finger, touch the lock sensor with the palm.

When gloves are being worn, remove the gloves.



■ Door lock buzzer

If an attempt to lock the doors is made when a door is not fully closed, a buzzer sounds continuously for 5 seconds. Fully close the door to stop the buzzer, and lock the vehicle once more.

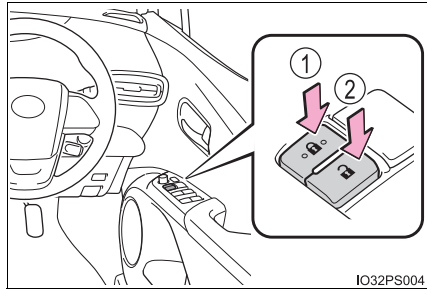
■ If the smart entry & start system or the wireless remote control does not operate properly

- Use the mechanical key to lock and unlock the doors. (→P. 492)
- Replace the key battery with a new one if it is depleted. (→P. 419)

Locking and unlocking the doors from the inside

◆ Door lock switches

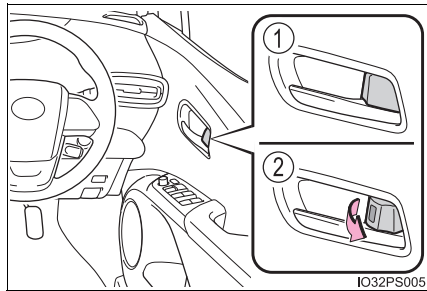
- ① Locks all the doors
- ② Unlocks all the doors



◆ Inside lock buttons

- ① Locks the door
- ② Unlocks the door

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



Locking the front doors from the outside without a key

- 1 Move the inside lock button to the lock position.
- 2 Close the door while pulling the door handle.

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

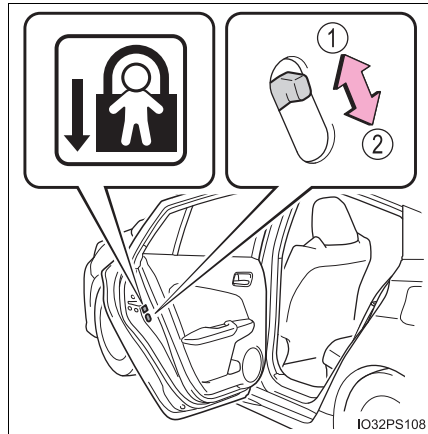
The key may not be detected correctly and the door may be locked.

Rear door child-protector lock

The door cannot be opened from inside the vehicle when the 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.



■ Using the mechanical key

The doors can also be locked and unlocked with the mechanical key.
(→P. 492)

■ Open door warning buzzer

If the vehicle speed reaches 5 km/h (3 mph), the master warning light flashes and a buzzer sounds to indicate that the door(s) is not fully closed. The open door(s) is displayed on the multi-information display.

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

→P. 164

■ Rear seat reminder function

● In order to remind you not to forget luggage, etc. in the rear seat, when the power switch is turned off after any of the following conditions are met, a buzzer will sound and a message will be displayed on the multi-information display for approximately 6 seconds.

- The hybrid system is started within 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. 522)

■ Customization

Settings (e.g. operation signal) can be changed.

(Customizable features: →P. 522)

**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.
- Do not pull the inside handle of the doors while driving.
Be especially careful for the driver's door, as the door may be opened even if the inside lock button is in locked position.
- 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 and operating the power windows or moon roof (if equipped)

Operate the power window or 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 or moon roof. Also, do not allow children to operate the wireless remote control. It is possible for children and other passengers to get caught in the power window or moon roof.

Back door

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

◆ Smart entry & start system

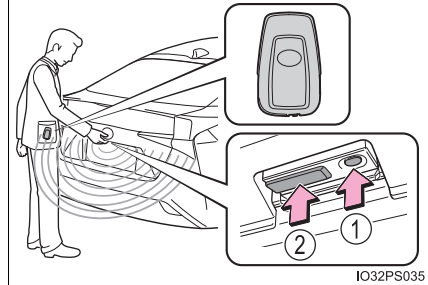
Carry the electronic key to enable this function.

① Locks all the doors

Check that the door is securely locked.

② Unlocks all the doors

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



◆ Wireless remote control

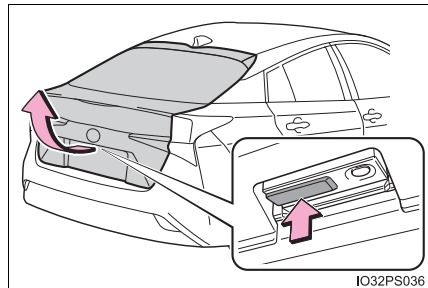
→P. 151

◆ Door lock switches

→P. 153

Opening the back door from outside the vehicle

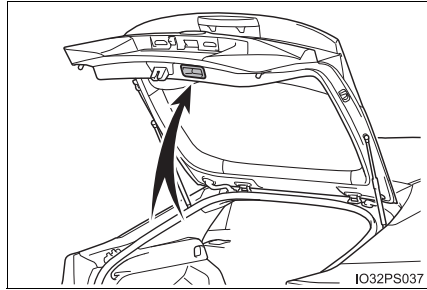
Raise the back door while pushing up the back door opener switch.



When closing the back door

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

Be careful not to pull the back door sideways when closing the back door with the handle.

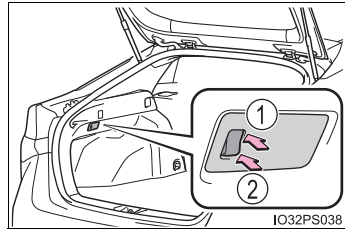


Luggage compartment light

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

- ① Off
- ② On

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

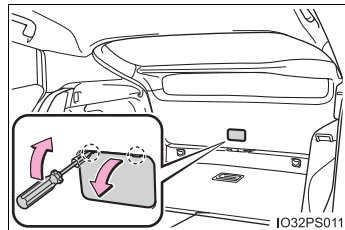


If the back door opener is inoperative

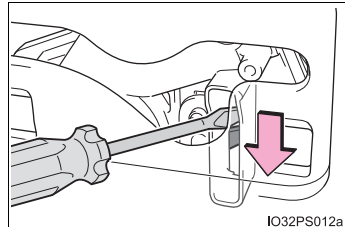
The back door can be unlocked from the inside.

- 1 Remove the cover.

To prevent damage, cover the tip of the screwdriver with a rag.



- 2 Move the lever.



 **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 near-by 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 have heat exhaustion or other injuries.
- Do not allow a child to open or close the back door. Doing so may cause the back door to open 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.

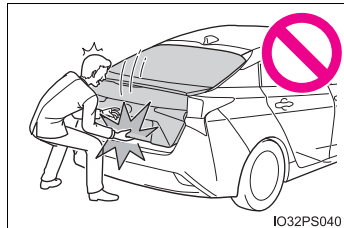
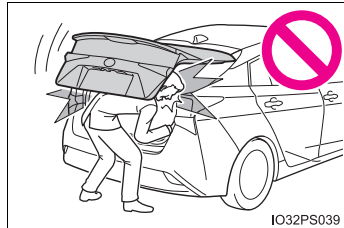
⚠ WARNING


■ Operating the back door

Observe the following precautions.

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

- Remove any heavy loads, such as snow and ice, from the back door before opening it. Failure to do so may cause the back door to suddenly shut again after it is opened.
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- Use caution when opening or closing the back door in windy weather as it may move abruptly in strong wind.
- The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.
- When closing the back door, take extra care to prevent your fingers etc. from being caught.
- When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.
- Do not pull on the back door damper stay to close the back door, and do not hang on the back door damper stay. Doing so may cause hands to be caught or the back door damper stay to break, causing an accident.
- If a bicycle carrier or similar heavy object is attached to the back door, it may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Toyota part is recommended.



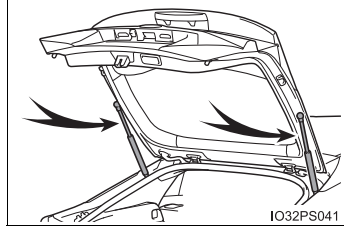
 NOTICE**■ Back door damper stays**

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

Observe the following precautions.

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

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



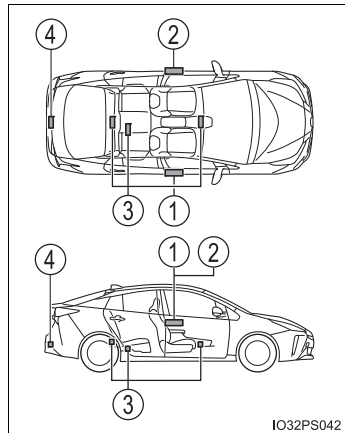
Smart entry & start system

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

- Unlocks and locks the doors (→P. 151)
- Unlocks and locks the back door (→P. 156)
- Starts the hybrid system (→P. 206)

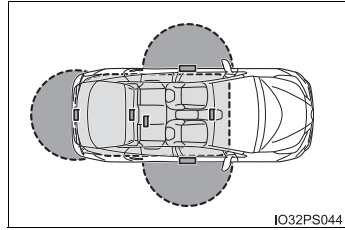
Antenna location

- ① Antenna outside the cabin (driver's side)
- ② Antenna outside the cabin (front passenger's side)
- ③ Antennas inside the cabin
- ④ Antenna outside the luggage compartment



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

- When locking or unlocking the doors
The system can be operated when the electronic key is within about 0.7 m (2.3 ft.) of driver's door handle, front passenger's door handle and back door opener switch. (Only the doors detecting the key can be operated.)



- When starting the hybrid system or changing power switch modes
The system can be operated when the electronic key is inside the vehicle.

■ **Alarms and warning messages**

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.

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 5 seconds	An attempt was made to lock the vehicle while a door was open.	Close all of the doors and lock the doors again.
Interior alarm pings repeatedly	The power switch was turned to ACCESSORY mode while the driver's door was open (The driver's door was opened when the power switch was in ACCESSORY mode).	Turn the power switch off and close the driver's door.

■ **When “Smart Entry & Start System Malfunction See Owner’s Manual” is displayed on the multi-information display**

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



■ **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.

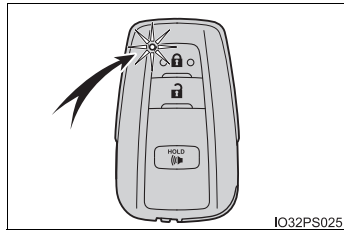
- In the following situations, the smart entry & start system may take some time to unlock the doors.
 - The electronic key has been left in an area of approximately 2 m (6 ft.) of the outside of the vehicle for 10 minutes or longer.
 - The smart entry & start system has not been used for 5 days or longer.
- If the smart entry & start system has not been used for 14 days or longer, the doors cannot be unlocked 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.

■ **Electronic Key Battery-Saving Function**

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

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

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



■ Conditions affecting operation

The smart entry & start system, wireless remote control and immobilizer system use weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart entry & start system, wireless remote control and immobilizer system from operating properly. (Ways of coping: →P. 492)

- 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 following metallic objects
 - Cards to which aluminum foil is attached
 - Cigarette boxes that have aluminum foil inside
 - Metallic wallets or bags
 - Coins
 - Hand warmers made of metal
 - Media such as CDs and DVDs
- When other wireless key (that emit 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

■ 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, 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 unlocked or locked by anyone.
- 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 door will automatically be locked after approximately 30 seconds if the doors are not opened and closed.)
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- Touching the door lock 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 this case, follow the following correction procedures to wash the vehicle.
 - Place the electronic key in a location 2 m (6 ft.) or more away from the vehicle. (Take care to ensure that the key is not stolen.)
 - Set electronic key to battery-saving mode to disable the smart entry & start system. (→P. 163)

- If the electronic key is inside the vehicle and a door handle becomes wet during a car wash, a message may be shown on the multi-information display and a buzzer will sound outside the vehicle. To turn off the alarm, lock all the doors.
- The lock sensor may not work properly if it comes into contact with ice, snow, mud, etc. Clean the lock sensor and attempt to operate it again.
- A sudden approach to the effective range of 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 2 m (6 ft.) of the vehicle.
- The smart entry & start system can be deactivated in advance. (→P. 522)

■ **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 entry & start system does not operate properly**

- Locking and unlocking the doors: Use the mechanical key. (→P. 492)
- Starting the hybrid system: →P. 493

■ **Customization**

Settings (e.g. smart entry & start system) can be changed.
(Customizable features: →P. 522)

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

- Unlocking and locking the doors:
Use the wireless remote control or mechanical key. (→P. 151, 492)
- Starting the hybrid system and changing power switch modes: →P. 493
- Stopping the hybrid system: →P. 207

 **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 entry & start system antennas. (→P. 161)

The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Toyota dealer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.

- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.

Radio waves could have unexpected effects on the operation of such medical devices.

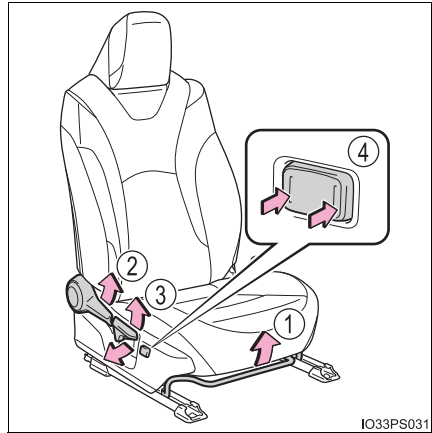
Ask your Toyota dealer for details on disabling the entry function.

Front seats

Adjustment procedure

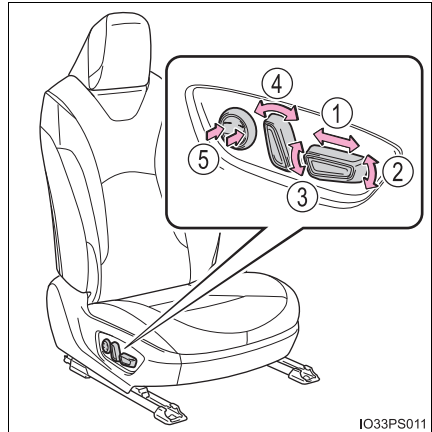
► Manual seat

- ① Seat position adjustment lever
- ② Seatback angle adjustment lever
- ③ Vertical height adjustment lever (for driver's side)
- ④ Lumbar support adjustment switch (for driver's side)



► Power seat (if equipped for driver's side)

- ① Seat position adjustment switch
- ② Seat cushion (front) angle adjustment switch
- ③ Vertical height adjustment switch
- ④ Seatback angle adjustment switch
- ⑤ Lumbar support adjustment switch



■ 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.
- 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.

■ 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.
- Manual seats: After adjusting the seat, make sure that the seat is locked in position.

Rear seats

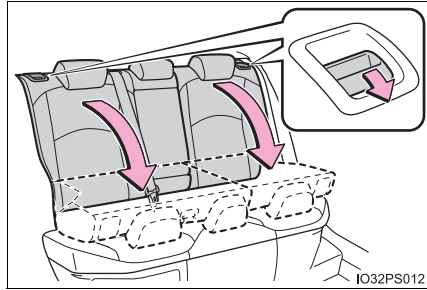
The seatbacks can be folded down.

Before folding down the seatbacks

- 1 Park the vehicle in a safe place.
Apply the parking brake firmly (→P. 222) and shift the shift position to P. (→P. 216)
- 2 Adjust the position of the front seat and the angle of the seatback. (→P. 168)
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 Lower the head restraint of the rear seat. (→P. 173)
- 4 Stow the armrest of the rear seat if it is pulled out. (→P. 365)
This step is not necessary when operating the left side seat only.

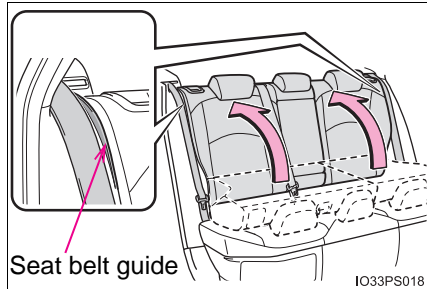
Folding down the seatbacks

Pull the seatback lock release lever and 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 inside the seat belt guide and then return the seatback securely to the locked position.



WARNING

■ When folding the seatbacks down

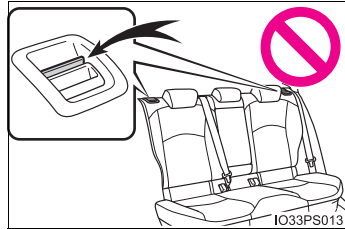
Observe the following precautions. Failure to do so may result in death or serious injury.

- Do not fold the seatbacks down while driving.
- Stop the vehicle on level ground, apply the parking brake firmly and shift the shift position 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.

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

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

- Make sure that the seatback is securely locked in position by lightly pushing it back and forth.
If the seatback is not securely locked, the red marking will be visible on the seatback lock release lever. Make sure that the red marking is not visible.



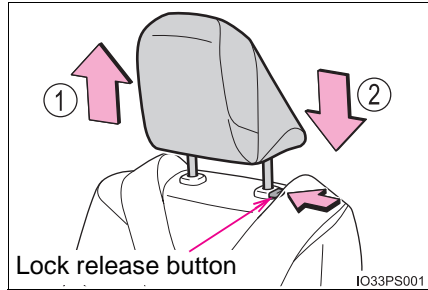
- Check that the seat belts are not twisted or caught in the seatback.

Head restraints

Head restraints are provided for all seats.

Front seats

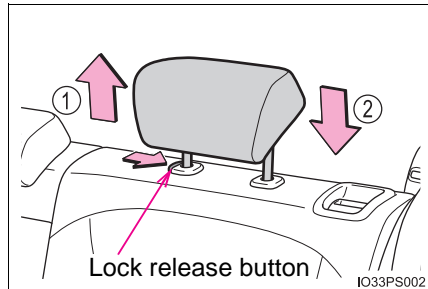
- ① Up
Pull the head restraints up.
- ② Down
Push the head restraint down while pressing the lock release button.



Rear seats

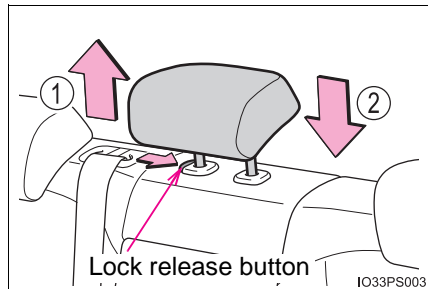
■ Rear outboard seats

- ① Up
Pull the head restraints up.
- ② Down
Push the head restraint down while pressing the lock release button.



■ Rear center seat

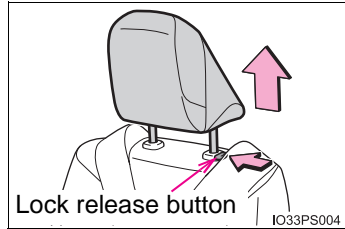
- ① Up
Pull the head restraints up.
- ② Down
Push the head restraint down while pressing the lock release button.



■ **Removing the head restraints**

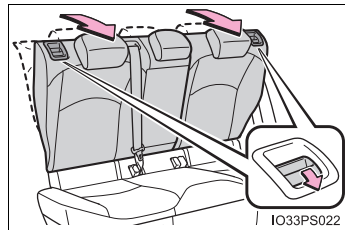
- ▶ Front and rear center seats

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

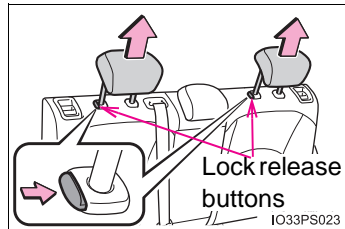


- ▶ Rear outboard seats

- 1 Pull the seatback lock release lever and fold down the seatback until it reaches the position where the head restraints can be removed.



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

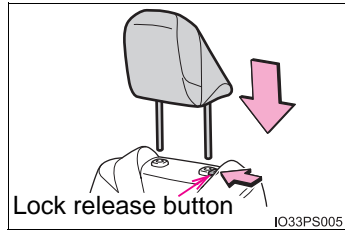


■ Installing the head restraints

▶ Front and rear center seats

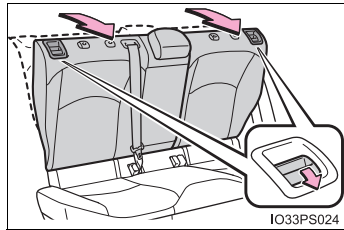
Align the head restraint with the installation holes and push it down to the lock position.

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



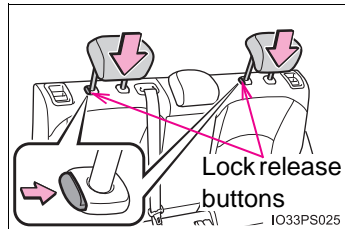
▶ Rear outboard seats

- 1 Pull the seatback lock release lever and fold down the seatback until it reaches the position where the head restraints can be installed.



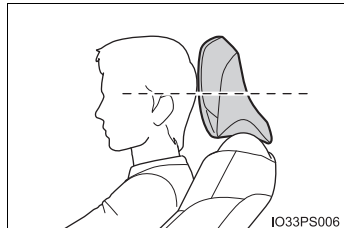
- 2 Align the head restraint with the installation holes and push it down to the lock position.

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



■ Adjusting the height of the head restraints (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 rear seat head restraint

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

**WARNING****■ Head restraint precautions**

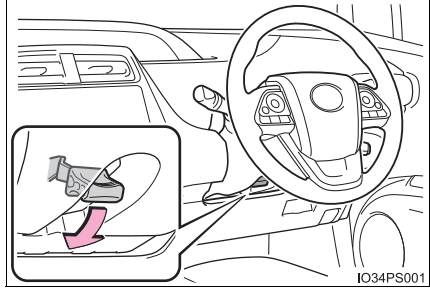
Observe the following precautions regarding the head restraints. Failure to do so may result in death or serious injury.

- 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.

Steering wheel

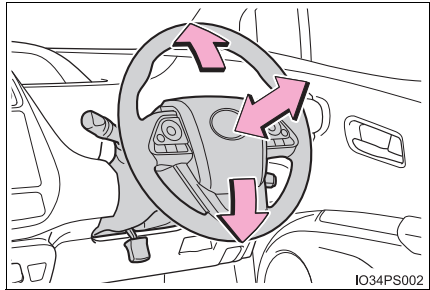
Adjustment procedure

- 1 Hold the steering wheel and push the lever down.



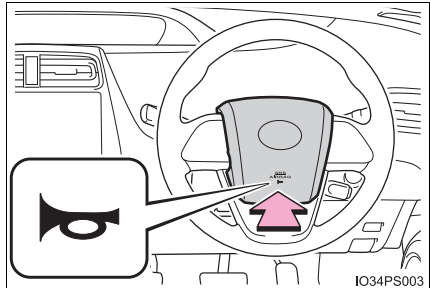
- 2 Adjust to the ideal position by moving the steering wheel horizontally and vertically.

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



Horn

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



**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.

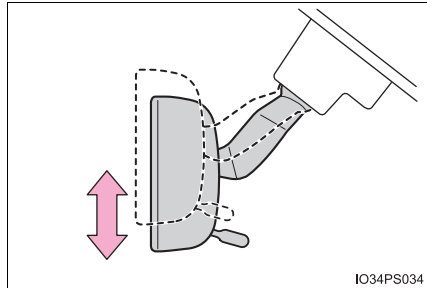
Inside rear view mirror

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.

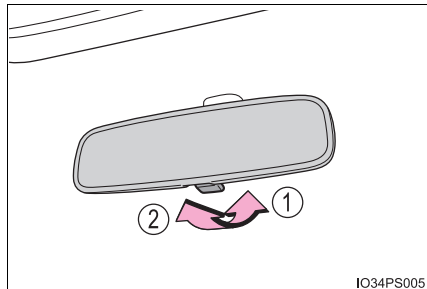


Anti-glare function

► Manual anti-glare inside rear view mirror

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

- ① Normal position
- ② Anti-glare position



► Auto anti-glare inside rear view mirror

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

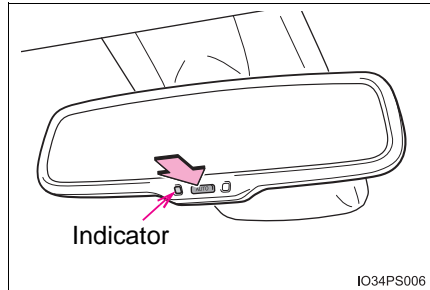
Changing automatic anti-glare function mode

On/off

When the automatic anti-glare function is in ON mode, the indicator illuminates.

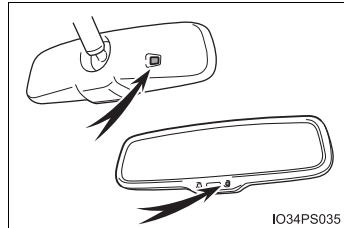
The function will set to ON mode each time the power switch is turned to ON mode.

Pressing the button turns the function to OFF mode. (The indicator 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.



⚠ WARNING

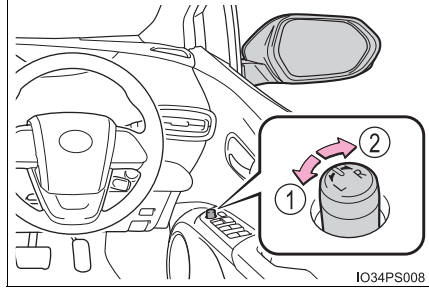
Do not adjust the position of the mirror while driving. Doing so may lead to mishandling of the vehicle and cause an accident, resulting in death or serious injury.

Outside rear view mirrors

Adjustment procedure

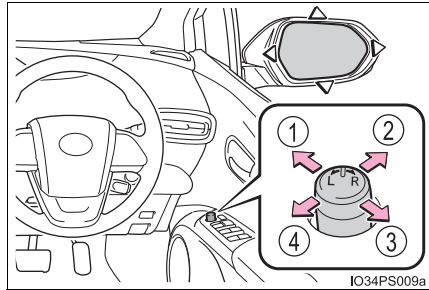
- 1 To select a mirror to adjust, turn the switch.

- ① Left
- ② Right



- 2 To adjust the mirror, operate the switch.

- ① Up
- ② Right
- ③ Down
- ④ Left

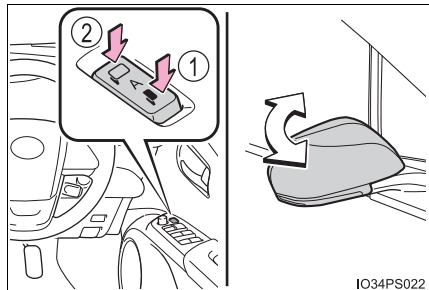


Folding and extending the mirrors

- ① Folds the mirrors
- ② Extends the mirrors

Putting the outside rear view mirror folding switch in the neutral position sets the mirrors to automatic mode.

Automatic mode allows the folding or extending of the mirrors to be linked to locking/unlocking of the doors.



■ Mirror angle can be adjusted when

The power switch is in ACCESSORY or ON mode.

■ When the mirrors are fogged up

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. 334)

■ Using automatic mode in cold weather

When automatic mode is used in cold weather, the door mirror could freeze up and automatic stowing and return may not be possible. In this event, remove any ice and snow from the door mirror, then either operate the mirror using manual mode or move the mirror by hand.

■ Customization

The automatic mirror folding and extending operation can be changed. (Customizable features: →P. 522)

**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 a mirror is moving

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

■ When the mirror defoggers are operating

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

Power windows

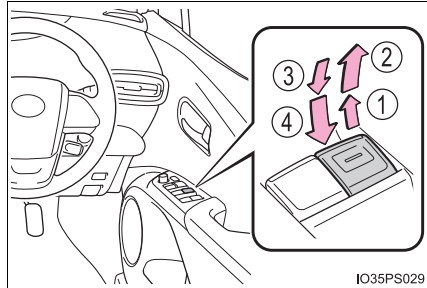
Opening and closing procedures

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.

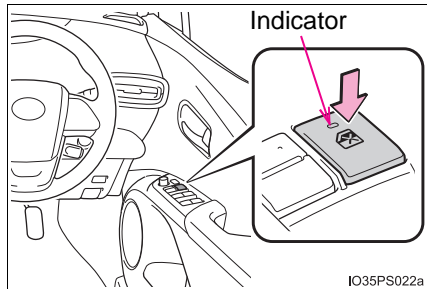


Window lock switch

Press the switch to lock the passenger windows.

The indicator will come on.

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



■ The power windows can be operated when

The power switch is in ON mode.

■ 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 ACCESSORY mode or turned 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 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 mode, 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 mode.
- 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 pressing 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 window operation

- The power windows can be opened and closed using the mechanical key.* (→P. 492)
- The power windows can be opened and closed using the wireless remote control.* (→P. 151)

*: These settings must be customized at your Toyota dealer.

■ 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.

■ Power window open reminder function

The buzzer sounds and a message is shown on the multi-information display in the instrument cluster when the power switch is turned off and the driver's door is opened with the power windows open.

■ Customization

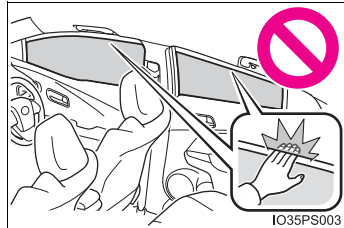
Settings (e.g. linked door lock operation) can be changed.
(Customizable features: →P. 522)

⚠ WARNING

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

■ Closing the windows

- The driver is responsible for all the power window operations, including the operation for the passengers. In order to prevent accidental operation, especially by a child, do not let a child operate the power windows. It is possible for children and other passengers to have body parts caught in the power window. Also, when riding with a child, it is recommended to use the window lock switch. (→P. 183)
- 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 side 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 side window by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the power window.
- When exiting the vehicle, turn the power switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

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

Moon roof*

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

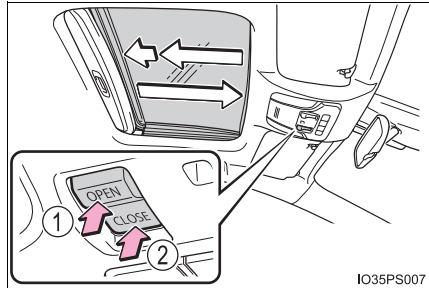
Opening and closing

- 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 end of the moon roof switch to stop the moon roof partway.

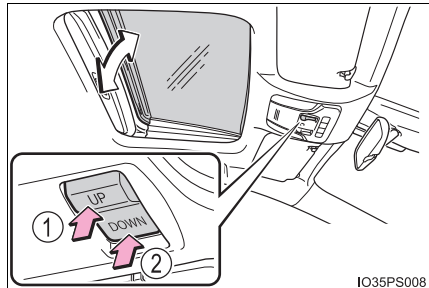


Tilting up and down

- ① Tilts the moon roof up*

- ② Tilts the moon roof down*

*: Lightly press either end of the moon roof switch to stop the moon roof partway.



■ The moon roof can be operated when

The power switch is in ON mode.

■ Operating the moon roof after turning the hybrid system off

The moon roof can be operated for approximately 45 seconds even after the power switch is turned to ACCESSORY mode or turned 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 to slightly before the fully open position 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. 492)
- The moon roof can be opened and closed using the wireless remote control.* (→P. 151)

*: 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” or “UP” switch.*

The moon roof will tilt up, stop a little time and tilt down. Then it will open fully and close again, and then stop.

- 3 Check to make sure that the moon roof has completely stopped 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.

■ Moon roof open reminder function

The buzzer sounds and a message is shown on the multi-information display in the instrument cluster when the power switch is turned off and the driver's door is opened with the moon roof open.

■ Customization

Settings (e.g. linked door lock operation) can be changed.
(Customizable features: →P. 522)

⚠ WARNING

Observe the following precautions.

Failing to do so may cause death or serious injury.

■ Opening the moon roof

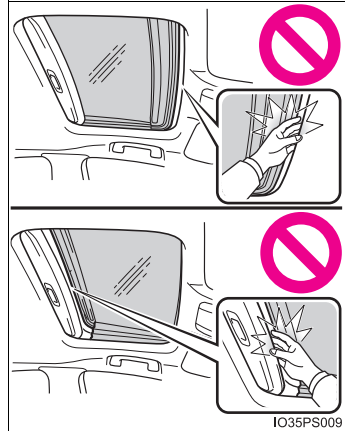
- Do not allow any passengers to put their hands or head outside the vehicle while it is moving.
- Do not sit on top of the moon roof.

■ 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.

- 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 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 fully closes.

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Driving the vehicle

The following procedures should be observed to ensure safe driving:

Starting the hybrid system

→P. 206

Driving

- 1 With the brake pedal depressed, shift the shift position to D.
(→P. 215)
Check that the shift position indicator shows D.
- 2 Release the parking brake. (→P. 222)
- 3 Gradually release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

Stopping

- 1 With the shift position in D, depress the brake pedal.
- 2 If necessary, set the parking brake.
If the vehicle is to be stopped for an extended period of time, shift the shift position to P. (→P. 216)

Parking the vehicle

- 1 Stop the vehicle completely.
- 2 Set the parking brake. (→P. 222)
- 3 Shift the shift position to P. (→P. 216)
Check that the shift position indicator shows P.
- 4 Press the power switch to stop the hybrid system.
- 5 Slowly release the brake pedal.
- 6 Lock the door, making sure that you have the electronic key on your person.
If parking on a hill, block the wheels as needed.

Starting off on a steep uphill

- 1 Firmly set the parking brake with the brake pedal depressed, and then shift the shift position to D.
- 2 Release the brake pedal and gently depress the accelerator pedal.
- 3 Release the parking brake.

Sudden start restraint control (Drive-Start Control [DSC])

When the following unusual operation is performed with the accelerator pedal depressed, the hybrid system output may be restrained.

- When the shift position is shifted to R*.
- When the shift position is shifted from P or R to forward drive shift position such as D*.

When the system operates, a message appears on the multi-information display. Read the message and follow the instruction.

*: Depending on the situation, the shift position may not be changed.

■ When starting off on an uphill

The hill-start assist control will activate. (→P. 316)

■ For fuel-efficient driving

Keep in mind that hybrid vehicles are similar to conventional vehicles, and it is necessary to refrain from activities such as sudden acceleration. (→P. 322)

■ Driving in the rain

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

■ Restraining the hybrid system output (Brake Override System)

- When the accelerator and brake pedals are depressed at the same time, the hybrid system output may be restrained.
- A warning message is displayed on the multi-information display while the system is operating. (→P. 456)

■ “ECO Accelerator Guidance” (→P. 108)

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 “Eco-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 “Eco-Cruise” score will increase.

● When stopping:

When stopping the vehicle, early releasing the accelerator pedal will cause the “Eco-Stop” score to increase.

■ Drive-Start Control (DSC)

When the TRC is turned off (→P. 317), sudden start restraint control also does not operate. If your vehicle have trouble escaping from the mud or fresh snow due to sudden start restraint control operation, deactivate TRC (→P. 317) so that the vehicle may become able to escape from the mud or fresh snow.

■ Breaking in your new Toyota

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

● For the first 300 km (200 miles):

Avoid sudden stops.

● For the first 1600 km (1000 miles):

- Do not drive at extremely high speeds.
- Avoid sudden acceleration.
- Do not drive at a constant speed for extended periods.

■ Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 513)

 **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.
- 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.
- 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. 435

 **WARNING**

Observe the following precautions.


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

■ **When driving the vehicle**

- Use engine braking (shift position B instead of shift position D) 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. 216)
- Do not adjust the positions of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
Doing so may result in a loss of vehicle control.
- Always check that all passengers' arms, head or other parts of their body are not outside the vehicle.
- Do not drive across river crossings or through other bodies of water.
This may cause electric/electronic components to short circuit, damage the hybrid system or cause other serious damage to the vehicle.

■ **When driving on slippery road surfaces**

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle.
- Sudden acceleration, engine braking due to shifting, or changes in engine speed could cause the vehicle to skid, resulting in an accident.
- After driving through a puddle, 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.


 **WARNING**

Observe the following precautions.

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

■ **When shifting the shift position**

- Do not let the vehicle roll backward while a forward driving position is selected, or roll forward while the shift position is in R.
Doing so may result in an accident or damage to the vehicle.
- Do not shift the shift position 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 position 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 position 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.
- Changing the shift position 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 change the shift position with the accelerator pedal depressed.
Changing the shift position to any position 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.
Also, when the shift position is in N, the shift position may not be able to be changed to the intended shift position.
After changing the shift position, make sure to confirm the current shift position displayed on the shift position indicator inside the meter.

 **WARNING**

Observe the following precautions.

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

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

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

Rotor damage may result if the pads are not replaced when needed.

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

■ **When the vehicle is stopped**

- Do not depress the accelerator pedal unnecessarily.

If the shift position is in any position other than P or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.

- In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while stopped with the "READY" indicator is illuminated, and apply the parking brake as necessary.

- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.

- Avoid revving or racing the engine.

Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

 **WARNING**

Observe the following precautions.

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

■ **When the vehicle is parked**

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

Doing so may result in the following:

- Gas may leak from a cigarette lighter or spray can, and may lead to a fire.
 - The temperature inside the vehicle may cause the plastic lenses and plastic material of glasses to deform or crack.
 - Soft drink cans may fracture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components.
- Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a place such as the glove box or on the floor, it may be lit accidentally when luggage is loaded or the seat is adjusted, causing a fire.
 - Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle.
 - Do not leave a door or window open if the curved glass is coated with a metallized film such as a silver-colored one. Reflected sunlight may cause the glass to act as a lens, causing a fire.
 - Always apply the parking brake, shift the shift position 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 position 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 pipe while the "READY" indicator is illuminated or immediately after turning the hybrid system off.
Doing so may cause burns.

 **WARNING**

Observe the following precautions.

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

■ **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 assist function does not operate, do not follow other vehicles closely and avoid downhill or sharp turns that require braking.

In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase. Have your brakes fixed immediately.

- The brake system consists of 2 or more individual hydraulic systems; if one of the systems fails, the other(s) will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase. Have your brakes fixed immediately.

 NOTICE**■ When driving the vehicle**

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

■ When parking the vehicle

Always set the parking brake, and shift the shift position to P. Failure to do so may cause the vehicle to move or the vehicle may accelerate suddenly if the accelerator pedal is accidentally depressed.

■ Avoiding damage to vehicle parts

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

■ If you get a flat tire while driving

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

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

Information on what to do in case of a flat tire: →P. 458, 476



NOTICE

■ When encountering flooded roads

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

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

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

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

If the shift control system is damaged by flooding, it may not be possible to shift the shift position to P, or from P to other positions. When the shift position cannot be changed from P to any other position, the front wheels will lock, and you will be unable to tow the vehicle with the front wheels on the ground. In this case, transport the vehicle with both front wheels or all four wheels lifted. (→P. 438)

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 cargo and luggage in the luggage compartment higher than the seatbacks.
- 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.
- 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
 - On the instrument panel
 - On the dashboard
- Secure all items in the occupant compartment.

**WARNING****■ Load and distribution**

- Do not overload your vehicle.
- Do not apply loads unevenly.

Improper loading may cause deterioration of steering or braking control which may cause death or serious injury.

Trailer towing

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



Power (ignition) switch

Performing the following operations when carrying the electronic key on your person starts the hybrid system or changes power switch modes.

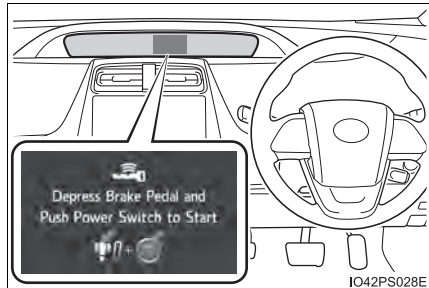
Starting the hybrid system

- 1 Check that the parking brake is set.
- 2 Firmly depress the brake pedal.



and a message will be displayed on the multi-information display.

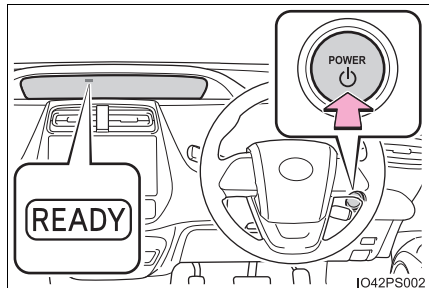
When the shift position is N, the hybrid system cannot start. Shift the shift position to P when starting the hybrid system. (→P. 216)



- 3 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.

- 4 Check that the "READY" indicator is illuminated.

If the "READY" indicator changes from a flashing light to a solid light and the buzzer sounds, the hybrid system is starting normally.

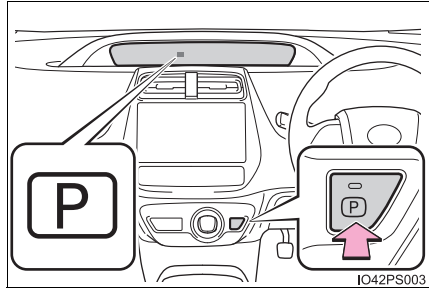
The vehicle will not move when the "READY" indicator is off.

The vehicle can move when the "READY" indicator is on even if the engine is stopped. (The gasoline engine starts or stops automatically in accordance with the state of the vehicle.)

Stopping the hybrid system

- 1 Stop the vehicle completely.
- 2 Set the parking brake. (→P. 222)
- 3 Shift the shift position to P.
(→P. 216)

Check that the shift position indicator shows P. (→P. 215)



- 4 Press the power switch.
The hybrid system will stop.
- 5 Slowly release the brake pedal and check that the display on the instrument cluster is off.
The meter display sequentially turns off after the hybrid system stops.
(→P. 210)

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 ACCESSORY mode

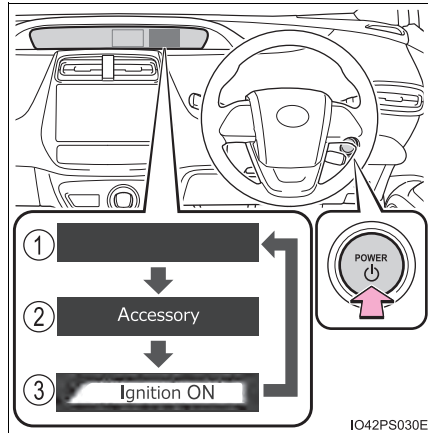
Some electrical components such as the audio system can be used.

“Accessory” is displayed on the main display.

③ ON mode

All electrical components can be used.

“Ignition ON” is displayed on the main display.



■ Auto power off function

If the vehicle is left in ACCESSORY mode for more than 20 minutes or ON mode (the hybrid system is not operating) for more than an hour with the shift position in P, the power switch will automatically turn off. However, this function cannot entirely prevent the 12-volt battery discharge. Do not leave the vehicle with the power switch in ACCESSORY or ON mode for long periods of time when the hybrid system is not operating.

■ Sounds and vibrations specific to a hybrid vehicle

→P. 68

■ Electronic key battery depletion

→P. 148

■ 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.

■ Conditions affecting operation

→P. 164

■ Note for the entry function

→P. 165

■ If the hybrid system does not start

- The immobilizer system may not have been deactivated. (→P. 75)
Contact your Toyota dealer.
- If a message related to start-up is shown on the multi-information display, read the message and follow the instructions.

■ If the “READY” indicator does not come on

In the event that the “READY” indicator does not come on even after performing the proper procedures for starting the vehicle, contact your Toyota dealer immediately.

■ If the hybrid system is malfunctioning

→P. 70

■ If the electronic key battery is depleted

→P. 419

■ Operation of the power switch

- If the switch is not pressed shortly and firmly, the power switch mode may not change or the hybrid system may not start.
- If attempting to restart the hybrid system immediately after turning the power switch off, the hybrid system may not start in some cases. After turning the power switch off, please wait a few seconds before restarting the hybrid system.

■ Automatic P position selection function

→P. 218

■ When the shift control system malfunctions

When attempting to turn the power switch off while there is a malfunction in the shift control system, the power switch mode may change to ACCESSORY mode. In this case, ACCESSORY mode may be turned off by applying the parking brake and pressing the power switch again. If there is a malfunction in the system, have the vehicle inspected by your Toyota dealer immediately.

■ Meter display

When the power switch is turned off, each display will turn off as follows.

- The shift position indicator will turn off after approximately 2 seconds.
- The multi-information display, clock, etc. will turn off after approximately 30 seconds. (Each display will also turn off immediately if a door is locked before 30 seconds has elapsed.)

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

→P. 493

**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.

■ 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. 435)

However, do not touch the power switch while driving except in an emergency. Turning the hybrid system off while driving will not cause loss of steering or braking control, however, power assist to the steering will be lost. This will make it more difficult to steer smoothly, so you should pull over and stop the vehicle as soon as it is safe to do so.

- If the power switch is operated while the vehicle is running, a warning message will be shown on the multi-information display and a buzzer sounds.
- When restarting the hybrid system after an emergency shutdown while driving, press the power switch. When restarting the hybrid system after stopping the vehicle, change the shift position to P and then press the power switch.

 NOTICE**■ To prevent 12-volt battery discharge**

- Do not leave the power switch in ACCESSORY or ON mode for long periods of time without the hybrid system on.
- If “Accessory”, “Ignition ON” or mileage display (→P. 97) is displayed on the main display while the hybrid system is not operating, the power switch is not off. Exit the vehicle after turning the power switch off.

■ 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.

EV drive mode

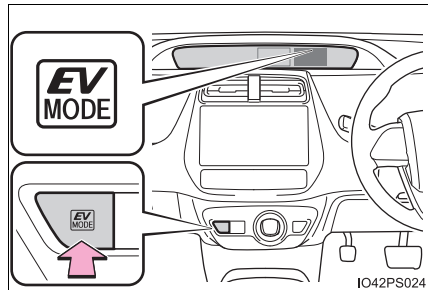
In EV drive mode, electric power is supplied by the hybrid battery (traction battery), and only the electric motor (traction motor) is used to drive the vehicle.

This mode allows you to drive in residential areas late at night, or in indoor parking lots etc. without concern for noises and exhaust gas emissions.

Turns EV drive mode on/off

When EV drive mode is turned on, the EV drive mode indicator will come on.

Pressing the switch when in EV drive mode will return the vehicle to normal driving (using the gasoline engine and electric motor [traction motor]).



■ Situations in which EV drive mode cannot be turned on

It may not be possible to turn EV drive mode on in the following situations. If it cannot be turned on, a buzzer will sound and a message will be shown on the multi-information display.

- The temperature of the hybrid system is high.
The vehicle has been left in the sun, driven on a hill, driven at high speeds, etc.
- The temperature of the hybrid system is low.
The vehicle has been left in temperatures lower than about 0°C (32°F) for a long period of time etc.
- The gasoline engine is warming up.
- The hybrid battery (traction battery) is low.
The remaining battery level indicated in the energy monitor display is low. (→P. 106, 142)
- Vehicle speed is high.
- The accelerator pedal is depressed firmly or the vehicle is on a hill etc.
- The windshield defogger is in use.

■ Switching to EV drive mode when the gasoline engine is cold

If the hybrid system is started while the gasoline engine is cold, the gasoline engine will start automatically after a short period of time in order to warm up. In this case, you will become unable to switch to EV drive mode.

After the hybrid system has started and the "READY" indicator has illuminated, press the EV drive mode switch before the gasoline engine starts to switch to EV drive mode.

■ Automatic cancelation of EV drive mode

When driving in EV drive mode, the gasoline engine may automatically restart in the following situations. When EV drive mode is canceled, a buzzer will sound and the EV drive mode indicator will flash and go off.

- The hybrid battery (traction battery) becomes low.

The remaining battery level indicated in the energy monitor display is low. (→P. 106, 142)

- Vehicle speed is high.

- The accelerator pedal is depressed firmly or the vehicle is on a hill etc.

When it is possible to inform the driver of automatic cancelation in advance, a prior notice screen will appear on the multi-information display.

■ Possible driving distance when driving in EV drive mode

EV drive mode's possible driving distance ranges from a few hundred meters to approximately 1 km (0.6 mile). However, depending on vehicle conditions, there are situations when EV drive mode cannot be used. (The distance that is possible depends on the hybrid battery [traction battery] level and driving conditions.)

■ Changing a driving mode when in EV drive mode

EV drive mode can be used in conjunction with Eco drive mode and power mode.

However, EV drive mode may be automatically canceled when used in conjunction with power mode.

■ Fuel economy

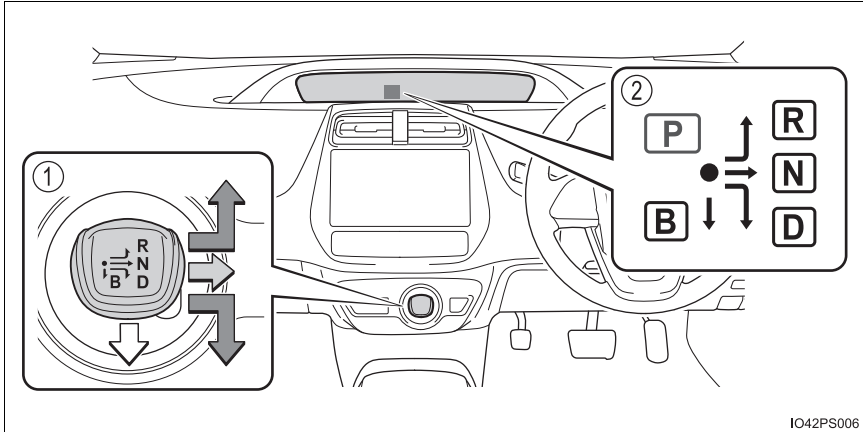
The hybrid system is designed to achieve the best possible fuel economy during normal driving (using the gasoline engine and electric motor [traction motor]). Driving in EV drive mode more than necessary may lower fuel economy.

**WARNING****■ Caution while driving**

When driving in EV drive mode, pay special attention to the area around the vehicle. Because there is no engine noise, pedestrians, people riding bicycles or other people and vehicles in the area may not be aware of the vehicle starting off or approaching them, so take extra care while driving.

Hybrid transmission




Shifting the shift lever



① Shift lever

Operate the shift lever gently and ensure correct shifting operation.

Release the shift lever after each shifting operation to allow it to return to the ● position.

-  When shifting to the D or R, move the shift lever along the shift gate.
-  To shift to the N, slide the shift lever to the right and hold it. The shift position will change to N.
-  To shift to the B, pull the shift lever down. Shifting to B is only possible when shift position D is selected.

When shifting from P to N, D or R, from D to R, or from R to D, ensure that the brake pedal is being depressed and the vehicle is stationary.

② Shift position indicator

The current shift position is highlighted.

When any shift position other than D or B is selected, the arrow toward B and B position indicator disappear from the shift position indicator.

When selecting the shift position, make sure that the shift position has been changed to the desired position by checking the shift position indicator provided on the instrument cluster.

Shift position purpose

Shift position	Objective or function
P	Parking the vehicle/starting the hybrid system
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*
B	Applying engine braking or strong braking when the accelerator pedal has been released on steep downward slopes etc.

*: For good fuel economy and noise reduction, the D position should usually be used.

Selecting a driving mode

→P. 300

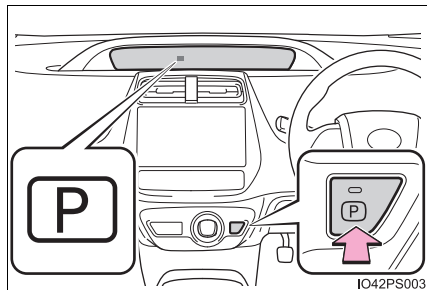
P position switch

■ When shifting the shift position to P

Fully stop the vehicle and set the parking brake, and then press the P position switch.

When the shift position is changed to P, the switch indicator comes on.

Check that the P position is highlighted on the shift position indicator.



■ Shifting the shift position from P to other positions

- While depressing the brake pedal firmly, operate the shift lever. If the shift lever is operated without depressing the brake pedal, the buzzer will sound and the shifting operation will be disabled.
- When selecting the shift position, make sure that the shift position has been changed to the desired position by checking the shift position indicator provided on the instrument cluster.
- The shift position cannot be changed from P to B directly.

■ For the shift positions

- When the power switch is off, the shift position cannot be changed.
- When the power switch is in ON mode (the hybrid system is not operating), the shift position can only be changed to N. The shift position will be changed to N even if the shift lever is shifted to D or R and held in that position.
- When the “READY” indicator is on, the shift position can be changed from P to D, N or R.
- When the “READY” indicator is flashing, the shift position cannot be changed from P to another position even if the shift lever is operated. Wait until the “READY” indicator changes from a flashing to a solid light, and then operate the shift lever again.
- The shift position can only be changed to B directly from D.

In addition, if an attempt is made to change the shift position by moving the shift lever or by pressing the P position switch in any of the following situations, the buzzer will sound and the shifting operation will be disabled or the shift position will automatically change to N. When this happens, select an appropriate shift position.

- Situations where the shifting operation will be disabled:
 - When an attempt is made to change the shift position from P to another position by moving the shift lever without depressing the brake pedal.
 - When the shift lever is moved to attempt to change the shift position from P or N with the accelerator pedal depressed and the vehicle stopped.
 - When an attempt is made to change the shift position from P or N to B by moving the shift lever.
- Situations where the shift position will automatically change to N:
 - When the P position switch is pressed while the vehicle is running.*1
 - When an attempt is made to select the R position by moving the shift lever when the vehicle is moving forward.*2
 - When an attempt is made to select the D position by moving the shift lever when the vehicle is moving in reverse.*3
 - When an attempt is made to change the shift position from R to B by moving the shift lever.

*1: Shift position may be changed to P when driving at extremely low speeds.

*2: Shift position may be changed to R when driving at low speeds.

*3: Shift position may be changed to D when driving at low speeds.

- If N is selected while driving at a certain speed, even if the shift lever is not held in the N position, the shift position changes to N. In this situation, the buzzer sounds and a confirmation message is displayed on the multi-information display to inform the driver that the shift position has changed to N.

■ Restraining sudden start (Drive-Start Control)

→P. 194

■ Automatic P position selection function

In the following situations, the shift position is automatically changed to P.

- When pressing the power switch with the vehicle stopped while the power switch is in ON mode and the shift position is in a position other than P (after the shift position has changed to P, the power switch will turn off)*
- If the driver's door is opened and all of the following conditions are met, while the shift position is in a position other than P
 - The power switch is in ON mode.
 - The driver is not wearing the seat belt.
 - The brake pedal is not depressed.

To start off the vehicle after the shift position is changed to P, operate the shift lever again.

- *: When the power switch is pressed while driving at extremely slow speeds, such as immediately before stopping the vehicle, the shift position may automatically change to P. Make sure that the vehicle is completely stopped before pressing the power switch.

The shift position may also automatically switch to P if one of the following conditions is detected while the vehicle is stopped by dynamic radar cruise control with full-speed range (if equipped).

- Driver's seat belt is not fastened
- Driver's door is opened
- Approximately 3 minutes elapse after the vehicle stopped

■ If the shift position cannot be shifted from P

There is a possibility that the 12-volt battery is discharged. Check the 12-volt battery in this situation. (→P. 495)

■ About engine braking

When shift position B is selected, releasing the accelerator pedal will apply engine braking.

- When the vehicle is driven at high speeds, compared to ordinary gasoline-fueled vehicles, the engine braking deceleration is felt less than that of other vehicles.
- The vehicle can be accelerated even when shift position B is selected.

If the vehicle is driven continuously in the B position, fuel efficiency will become low. Usually, select the D position.

■ After recharging/reconnecting the 12-volt battery

→P. 393

■ When a message related to shift operations is displayed on the multi-information display

When the shift position does not switch due to a mistaken operation, system conditions, etc., or when the attempted shift operation is invalid, a message indicating the correct operation or the reason why switching cannot be performed is shown on the multi-information display. In these cases, follow the instructions and retry the operation.

■ Customization

Settings (e.g. reverse warning buzzer) can be changed.
(Customizable features: →P. 522)

WARNING

■ When driving on slippery road surfaces

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

■ Shift lever and P position switch

- Do not remove the shift lever knob or use anything but a genuine Toyota shift lever knob. Also, do not hang anything on the shift lever.
Doing so could prevent the shift lever from returning to position, causing unexpected accidents to occur when the vehicle is in motion.
- Do not press the P position switch while the vehicle is moving.
If the P position switch is pressed when driving at very low speeds (for example, just before the vehicle stops), the vehicle may stop suddenly when the shift position switches to P, which could lead to an accident.
- In order to prevent the shift position from accidentally being changed, do not touch the P position switch or shift lever when not using them.



NOTICE

■ Hybrid battery (traction battery) charge

If the shift position is in N, the hybrid battery (traction battery) will not be charged. To help prevent the battery from discharging, avoid leaving the N position selected for an extended period of time.

■ Situations where shift control system malfunctions are possible

If any of the following situations occurs, shift control system malfunctions are possible.

Immediately stop the vehicle in a safe place on level ground, apply the parking brake, and then contact your Toyota dealer.

- When the warning message indicating the shift control system appears on the multi-information display. (→P. 450)
- The display indicates that no shift position is selected for more than a few seconds.

■ Notes regarding shift lever and P position switch operation

Avoid repeatedly operating the shift lever and P position switch in quick succession.

The system protection function may activate and it will not be temporarily possible to shift the shift position other than P. If this happens, please wait for approximately 20 seconds before attempting to change the shift position again.

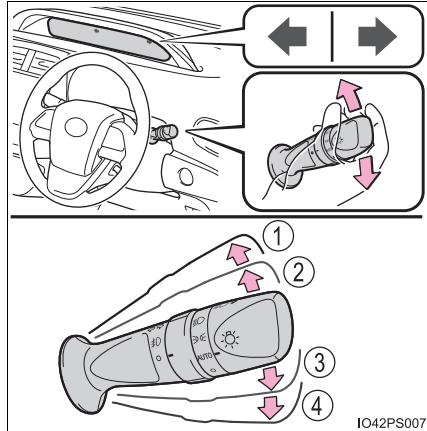
■ When exiting the vehicle (driver's seat only)

Check that the shift position indicator shows P and that the parking brake is set before opening the door and exiting the vehicle.

Turn signal lever

Operating instructions

- ① Left turn
- ② Lane change to the left (move the lever partway and release it)
The left hand signals will flash 3 times.
- ③ Lane change to the right (move the lever partway and release it)
The right hand signals will flash 3 times.
- ④ Right turn



■ Turn signals can be operated when

The power switch is in ON mode.

■ If the indicator flashes faster than usual

Check that each turn signal light flashes correctly.

■ If the turn signals stop flashing before a lane change has been performed

Operate the lever again.

■ Customization

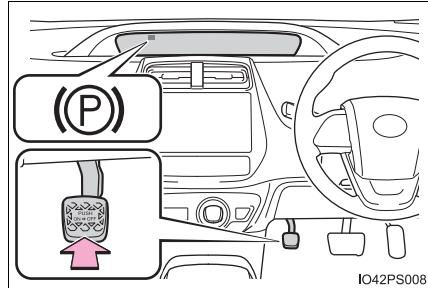
The number of times the turn signals flash during a lane change can be changed. (Customizable features: →P. 522)

Parking brake

Operating instructions

To set the parking brake, fully depress the parking brake pedal with your left foot while depressing the brake pedal with your right foot.

(Depressing the pedal again releases the parking brake.)



■ Parking the vehicle

→P. 192

■ Parking brake engaged warning buzzer

A buzzer will sound if the vehicle is driven with the parking brake engaged. "Release Parking Brake" is displayed on the multi-information display (with the vehicle reached a speed of 5 km/h [3 mph]).

■ Usage in winter time

→P. 326

⚠ NOTICE

■ Before driving


Fully release the parking brake.





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

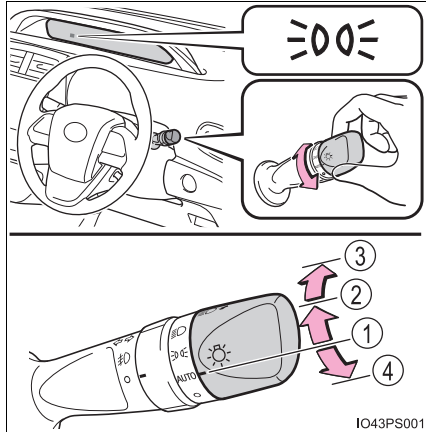
Headlight switch

The headlights can be operated manually or automatically.

Operating instructions

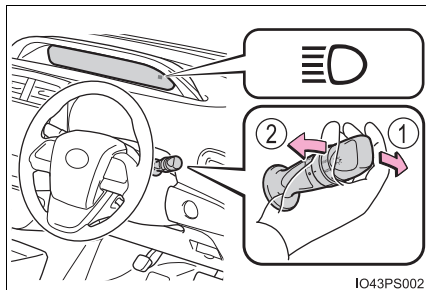
Operating the  switch turns on the lights as follows:

- ①  The headlights, front position, daytime running lights (→P. 224) and so on turn on and off automatically (when the power switch is in ON mode).
- ②  The front position, tail, license plate and instrument panel lights turn on.
- ③  The headlights and all lights listed above (except daytime running lights) turn on.
- ④  The daytime running lights turn on. (→P. 224)



Turning on the high beam headlights


- ① With the headlights on, push the lever away from you to turn on the high beams.
Pull the lever toward you to the center position to turn the high beams off.
- ② Pull the lever toward you and release it to flash the high beams once.



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

■ Daytime running light system

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever the hybrid system is started and the parking brake is released with the headlight switch in the

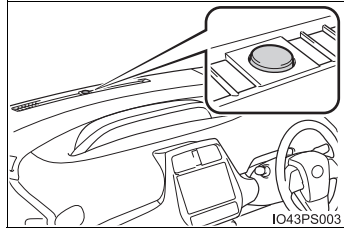
AUTO or  position. Daytime running lights are not designed for use at night.

■ Headlight control sensor


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




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

Air conditioning operation may also be interrupted.



■ Automatic light off system

- When the headlights come on: The headlights and tail lights turn off 30 seconds after the driver's door is opened and closed if the power switch is turned to ACCESSORY mode or turned off. (The lights turn off immediately if  on the key is pressed after all the doors are locked.)
- When only the tail lights come on: The tail lights turn off automatically if the power switch is turned to ACCESSORY mode or turned off and the driver's door is opened.

To turn the lights on again, turn the power switch to ON mode, or turn the light switch to the  or AUTO position once and then back to the  or  position.

■ Automatic headlight leveling system

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.

■ Light reminder buzzer

A buzzer sounds when the power switch is turned off and the driver's door is opened while the lights are turned on.

■ 12-volt battery-saving function

In order to prevent the 12-volt battery of the vehicle from discharging, if the headlights and/or tail lights are on when the power switch is turned off, the 12-volt battery saving function will operate and automatically turn off all the lights after approximately 20 minutes.

When 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. 522)

NOTICE

■ To prevent 12-volt battery discharge

Do not leave the lights on longer than necessary when the hybrid system is off.

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 beam on or off as necessary.

⚠ WARNING


■ Limitations of the Automatic High Beam

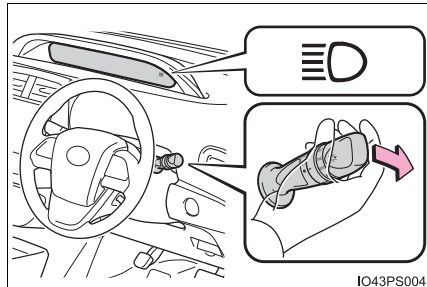
Do not rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beam on or off manually if necessary.

■ To prevent incorrect operation of the Automatic High Beam system

Do not overload the vehicle.

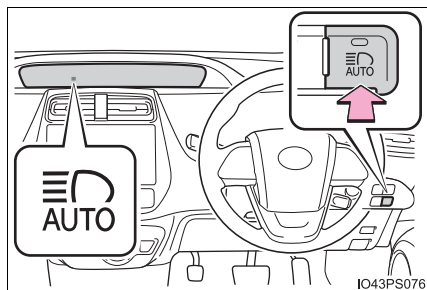
Activating the Automatic High Beam system

- 1 Push the lever away from you with the headlight switch in the AUTO or  position.



- 2 Press the Automatic High Beam switch.

The Automatic High Beam indicator will come on when the headlights are turned on automatically to indicate that the system is active.



*: If equipped

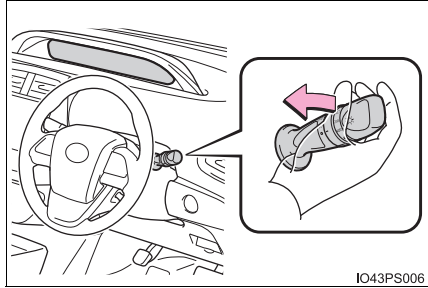
Turning the high beam on/off manually

■ Switching to low beam

Pull the lever to the original position.

The Automatic High Beam indicator will turn off.

Push the lever away from you to activate the Automatic High Beam system again.

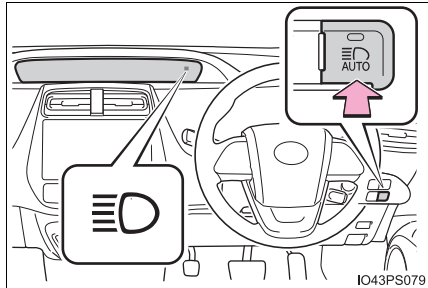


■ Switching to high beam

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off and the high beam indicator will turn on.

Press the switch to activate the Automatic High Beam system again.



■ High beam automatic turning on or off conditions

- When all of the following conditions are fulfilled, the high beam will be automatically turned on (after approximately 1 second):
 - The vehicle speed is approximately 30 km/h (19 mph) or more.
 - The area ahead of the vehicle is dark.
 - There are no vehicles ahead with headlights or tail lights turned on.
 - There are few streetlights on the road ahead.
- If any of the following conditions are fulfilled, the high beam will be automatically turned off:
 - The vehicle speed is below approximately 25 km/h (16 mph).
 - 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 beam 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 wide road
 - When vehicles ahead vehicles have no lights
- The high beam 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 beam 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 beam 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 beam 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 inside rear view mirror or front camera is deformed or dirty.
 - The front camera temperature is extremely high.
 - Surrounding brightness levels are equal to those of headlights, tail lights or fog lights.
 - Vehicles ahead have headlights that are either switched off, dirty, are changing color, or are not aimed properly.
 - 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 tracks 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 a 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.
 - The vehicle is listing or tilting, due to a flat tire, a trailer being towed etc.
 - The high beam and low beam are repeatedly being switched between in an abnormal manner.
 - The driver believes that the high beam 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**

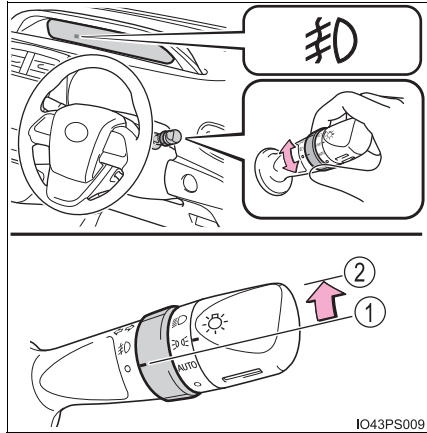
The system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

Fog light switch

The fog lights offer improved visibility in difficult driving conditions, such as in rain and fog.

Operating instructions

- ① ○ Turns the fog lights off
- ② ≡○ Turns the fog lights on



IO43PS009

■ Fog lights can be used when

The front position lights are turned on.

⚠ NOTICE

■ To prevent 12-volt battery discharge






Do not leave the lights on longer than necessary when the hybrid system is off.

Windshield wipers and washer

Operating the wiper lever

Operating the  lever operates the wipers or washer as follows.

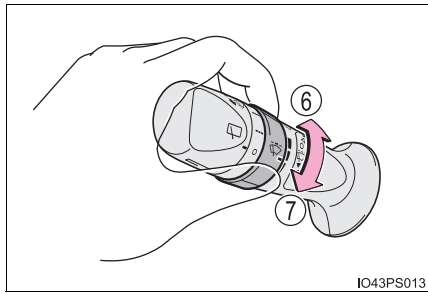
► Intermittent windshield wipers with interval adjuster


- ①  Off
- ②  Intermittent operation
- ③  Low speed operation
- ④  High speed operation
- ⑤  Temporary operation



Wiper intervals can be adjusted when intermittent operation is selected.

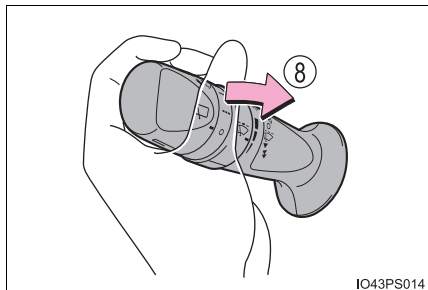
- ⑥ Increases the intermittent windshield wiper frequency
- ⑦ Decreases the intermittent windshield wiper frequency



- ⑧  Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

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



► Rain-sensing windshield wipers

- ① ○ Off
- ② AUTO Rain-sensing operation
- ③ ▼ Low speed operation
- ④ ▼ High speed operation
- ⑤ ▲ Temporary operation

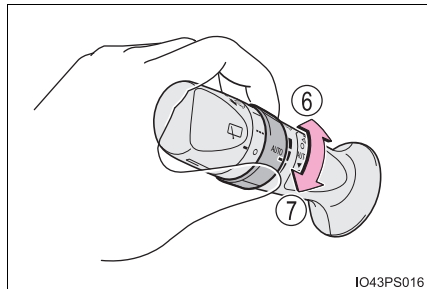
When **AUTO** is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.




IO43PS015

The sensor sensitivity can be adjusted when **AUTO** is selected.

- ⑥ Increases the sensitivity
- ⑦ Decreases the sensitivity

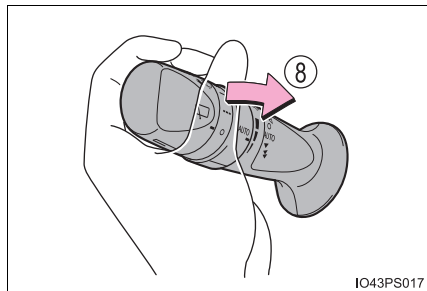


IO43PS016

- 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.



IO43PS017

■ The windshield wipers and washer can be operated when

The power switch is in ON mode.

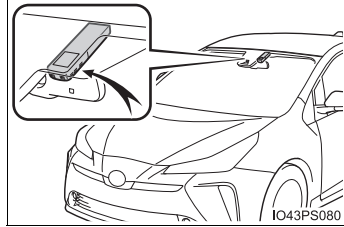
■ Dripping prevention wiper sweep (vehicles with rain-sensing windshield wipers)

After washing and wiping operation several times, the wipers operate one more time after a short delay to prevent dripping. However, this function will not operate while driving.

■ 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 mode, 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 85°C (185°F) or higher, or -15°C (5°F) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than AUTO mode.

■ If no windshield washer fluid sprays

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

■ Customization

Settings of AUTO mode operation can be changed. (Customizable features: →P. 522)

**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 etc. Do not become caught in the windshield wipers.

■ Caution regarding the use of washer fluid

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

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

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

■ When the washer fluid tank is empty

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

■ When a nozzle becomes blocked

In this case, contact your 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

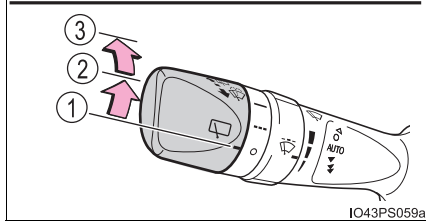
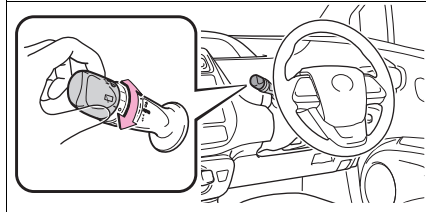
Do not leave the wipers on longer than necessary when the hybrid system is off.


Rear window wiper and washer

Operating the wiper lever

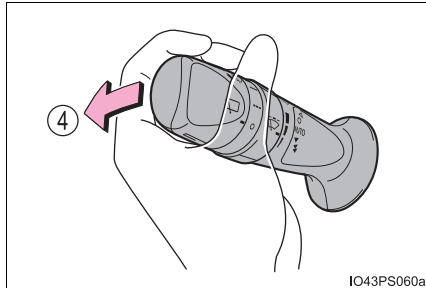
Operating the  switch operates the rear wiper as follows:

- ① ○ Off
- ② --- Intermittent operation
- ③ — Normal operation



- ④  Washer/wiper dual operation

Pushing the lever operates the wiper and washer.



■ The rear window wiper and washer can be operated when

The power switch is in ON mode.

■ If no washer fluid sprays

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

**NOTICE****■ When the rear window is dry**

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

■ When the washer fluid tank is empty

Do not operate the switch continually as the washer fluid pump may over-heat.

■ 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

Perform the following steps to open the fuel tank cap:

Before refueling the vehicle

- Turn the power switch off and ensure that all the doors and windows are closed.
- Confirm the type of fuel.

■ Fuel types


→P. 521

■ Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your vehicle has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

■ Gasoline price setting screen

After refueling more than approximately 5 L (1.3 gal., 1.1 Imp.gal.) and turning the power switch to ON mode, the gasoline price setting screen will be automatically displayed on the multi-information display. (→P. 81)

 **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.

■ When refueling

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

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

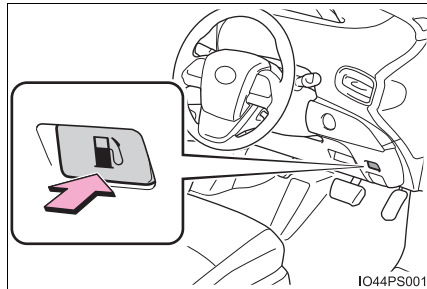
 NOTICE**Refueling**

Do not spill fuel during refueling.

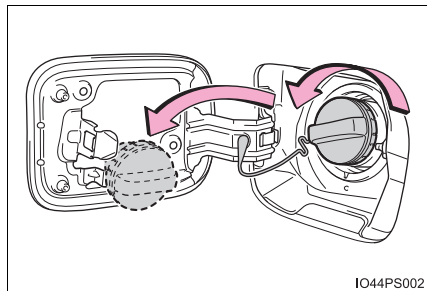
Doing so may damage the vehicle, such as causing the emission control system to operate abnormally or damaging fuel system components or the vehicle's painted surface.

Opening the fuel tank cap

- 1 Press the opener to open the fuel filler door.

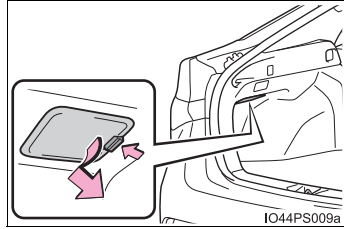


- 2 Turn the fuel tank cap slowly to open and hang it on the back of the fuel filler door.

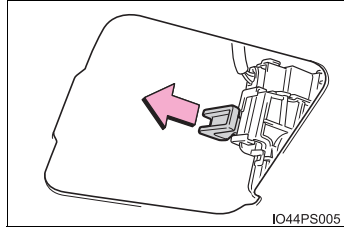


■ When the fuel filler door cannot be opened by pressing the inside switch

- 1 Open the back door and remove the cover underneath the luggage compartment light.

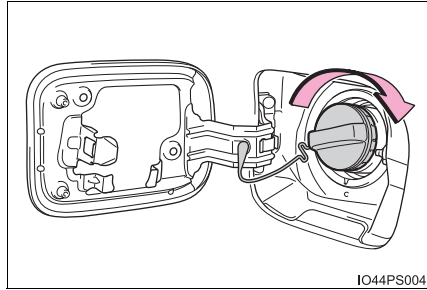


- 2 Pull the lever backward and check that the fuel lid opens.



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.



IO44PS004

WARNING

■ When replacing the fuel tank cap

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

Toyota Safety Sense*

The Toyota Safety Sense consists of the following drive assist systems and contributes to a safe and comfortable driving experience:

Driving assist system

◆ PCS (Pre-Collision System)*

→P. 249

◆ LTA (Lane Tracing Assist)*

→P. 260

◆ AHB (Automatic High Beam)*

→P. 226

◆ RSA (Road Sign Assist)*

→P. 275

◆ Dynamic radar cruise control with full-speed range*

→P. 279



WARNING

■ Toyota Safety Sense

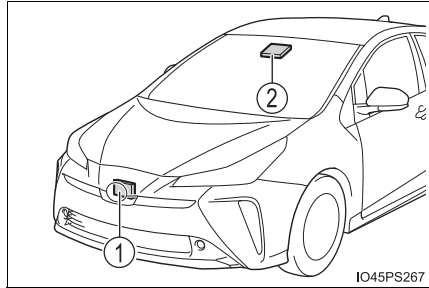
The Toyota Safety Sense is designed to operate under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants and the vehicle in the case of a collision or assist the driver in normal driving conditions.

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.

- ① Radar sensor
- ② Front camera



⚠ WARNING

■ To avoid malfunction of the radar sensor

Observe the following precautions.

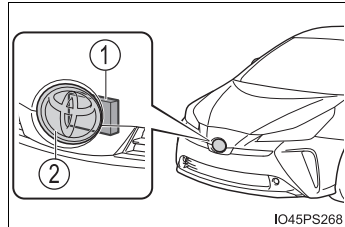
Otherwise, the radar sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

● Keep the radar sensor and the radar sensor cover clean at all times.

- ① Radar sensor
- ② 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

⚠ WARNING

■ To avoid malfunction of the front camera

Observe the following precautions.

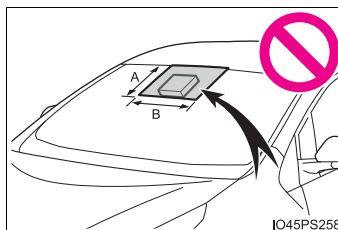
Otherwise, the front camera may not operate properly, possibly leading to an accident resulting in death or serious injury.

- 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.

- 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 1 cm (0.4 in.) below the bottom of the front camera

B: Approximately 20 cm (7.9 in.) (Approximately 10 cm [4.0 in.] 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. 334)
- 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.

**WARNING**

- 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.

■ 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 camera is covered with dirt, moisture (fogged up, covered with condensation, ice, etc.), or other foreign matter	Using the wiper and A/C function, remove the dirt and other attached matter. (→P. 334)
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 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.
When “Pre-Collision System Unavailable” is displayed.	Check whether there is attached materials on the radar sensor and radar sensor cover, and if there is, remove it.

- 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
- Depending on the conditions in the vicinity of the vehicle, the radar may judge the surrounding environment can not be properly recognized. In that case, "Pre-Collision System Unavailable" is displayed.

PCS (Pre-Collision System)*

The pre-collision system uses a radar sensor and front camera to detect objects (→P. 249) 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. 253)

Detectable objects

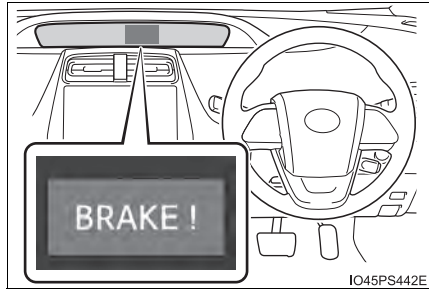
The system can detect the following:

- 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. 255
 - Conditions under which the system may not operate properly: →P. 257
- 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.


**WARNING****■ 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
- 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

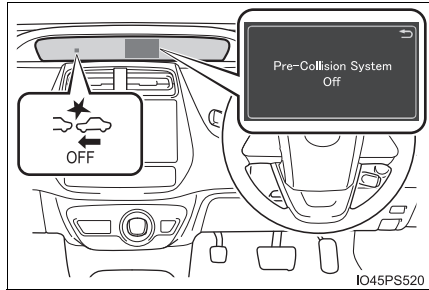
Changing settings of the pre-collision system

■ Enabling/disabling the pre-collision system


The pre-collision system can be enabled/disabled on  (→P. 126) of the multi-information display.

The system is automatically enabled each time the power switch is turned to ON mode.

If the system is disabled, the PCS warning light will turn on and a message will be displayed on the multi-information display.



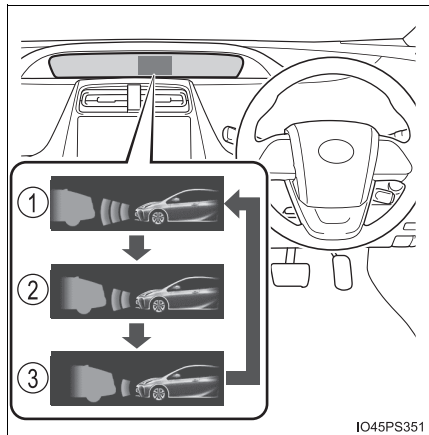
■ Changing the pre-collision warning timing

The pre-collision warning timing can be changed on  (→P. 126) of the multi-information display.

The warning timing setting is retained when the power switch is turned 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. 10 to 180 km/h (7 to 110 mph)	Approx. 10 to 180 km/h (7 to 110 mph)
Bicyclists and pedestrians	Approx. 10 to 80 km/h (7 to 50 mph)	Approx. 10 to 80 km/h (7 to 50 mph)

● Pre-collision brake assist

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 30 to 180 km/h (20 to 110 mph)	Approx. 30 to 180 km/h (20 to 110 mph)
Bicyclists and pedestrians	Approx. 30 to 80 km/h (20 to 50 mph)	Approx. 30 to 80 km/h (20 to 50 mph)

● Pre-collision braking

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 10 to 180 km/h (7 to 110 mph)	Approx. 10 to 180 km/h (7 to 110 mph)
Bicyclists and pedestrians	Approx. 10 to 80 km/h (7 to 50 mph)	Approx. 10 to 80 km/h (7 to 50 mph)

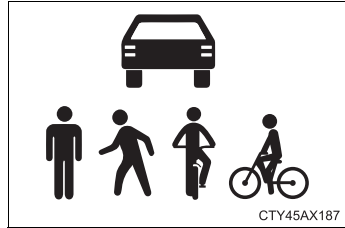
The system may not operate in the following situations:

- 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 position 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. 257)

The illustration shows an image of detectable objects.



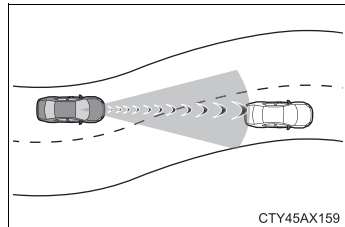
■ Cancellation of the pre-collision braking

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.

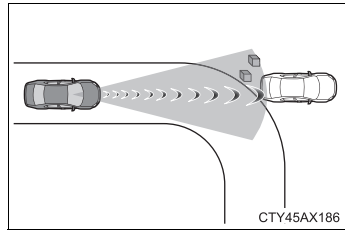
■ Conditions under which the system may operate even if there is no possibility of a collision

- 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

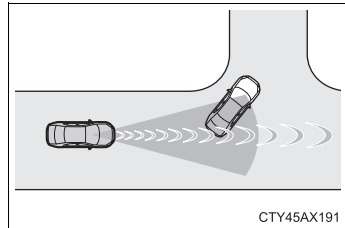


- When rapidly closing on a detectable object, etc.
- When approaching objects on the roadside, such as detectable objects, guardrails, utility poles, trees, or walls

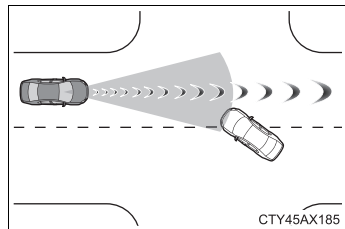
- When there is a detectable object or other object by the roadside at the entrance of a curve



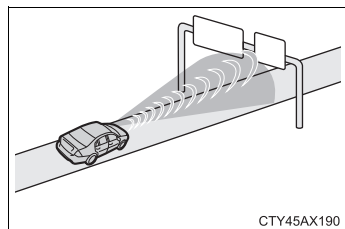
- When there are patterns or paint in front of your vehicle that may be mistaken for a detectable object
- When the front of your vehicle is hit by water, snow, dust, etc.
- When overtaking a detectable object that is changing lanes or making a right/left turn



- When passing a detectable object in an oncoming lane that is stopped to make a right/left turn

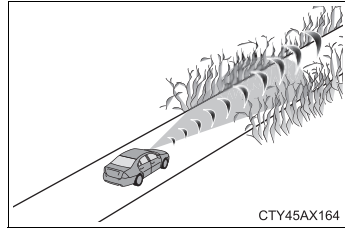


- When a detectable object approaches very close and then stops before entering the path of your vehicle
- If the front of your vehicle is raised or lowered, such as when on an uneven or undulating road surface
- When driving on a road surrounded by a structure, such as in a tunnel or on an iron bridge
- 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

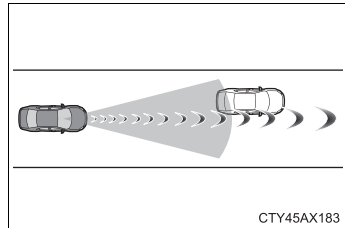
- When using an automatic car wash
- When driving through or under objects that may contact your vehicle, such as thick grass, tree branches, or a banner



- 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

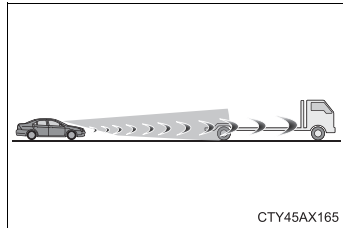
■ Situations in which the system may not operate properly

- 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

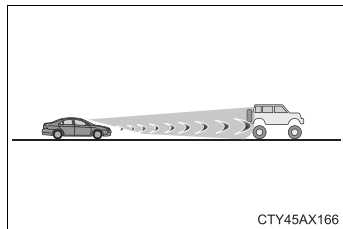


- When a detectable object is near a wall, fence, guardrail, manhole cover, vehicle, steel plate on the road, etc.
- When a detectable object is under a structure
- When part of a detectable object is hidden by an object, such as large baggage, an umbrella, or guardrail
- When multiple detectable objects 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

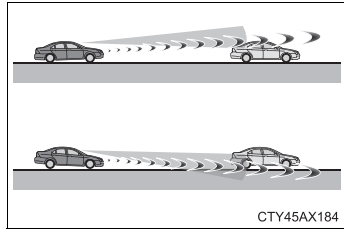


- If a vehicle ahead has extremely high ground clearance



- 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 1 m (3.2 ft.) or taller than approximately 2 m (6.5 ft.)
- 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. 317), 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.

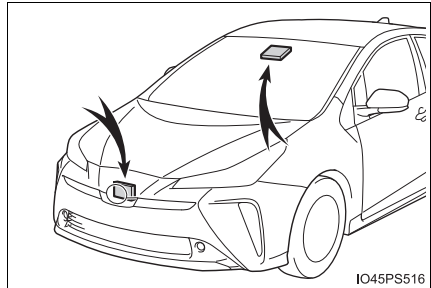
LTA (Lane Tracing Assist)*

Summary of functions


While driving on a road with clear white (yellow) lane lines, the LTA system warns the driver if the vehicle may deviate from the current lane or course*, and also can slightly operate the steering wheel to help avoid deviation from the lane or course*. Also, while the dynamic radar cruise control with full-speed range is operating, this system will operate the steering wheel to maintain the vehicle's lane position.

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



*: If equipped

 **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.
- 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.
- During emergency towing.

■ Preventing LTA system malfunctions and operations performed by mistake

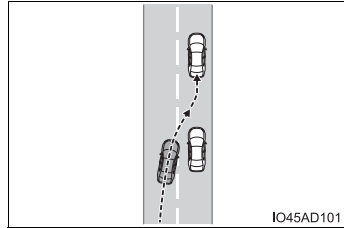
- Do not modify the headlights or place stickers, etc. on the surface of the lights.
- Do not modify the suspension etc. If the suspension etc. needs to be replaced, contact your Toyota dealer.
- Do not install or place anything on the hood or grille. Also, do not install a grille guard (bull bars, kangaroo bar, etc.).
- If your windshield needs repairs, contact your Toyota dealer.

⚠ WARNING

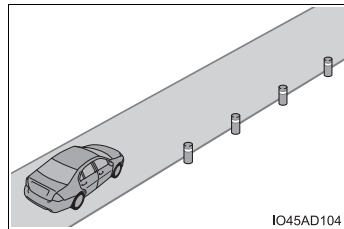
■ Conditions in which functions may not operate properly

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. 270) and the preceding vehicle changes lanes. (Your vehicle may follow the preceding vehicle and also change lanes.)

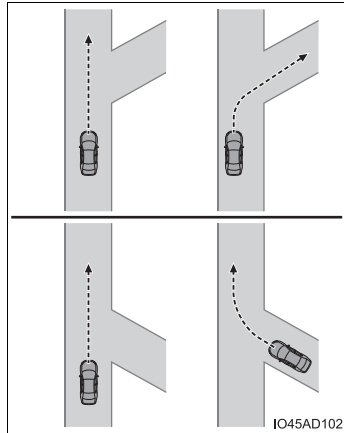


- When the follow-up cruising display is displayed (→P. 270) and the preceding vehicle is swaying. (Your vehicle may sway accordingly and depart from the lane.)
- When the follow-up cruising display is displayed (→P. 270) and the preceding vehicle departs from its lane. (Your vehicle may follow the preceding vehicle and depart from the lane.)
- When the follow-up cruising display is displayed (→P. 270) 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.
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, reflective poles, etc.).

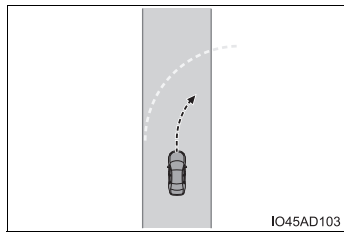


! WARNING

- 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, "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.

**WARNING**

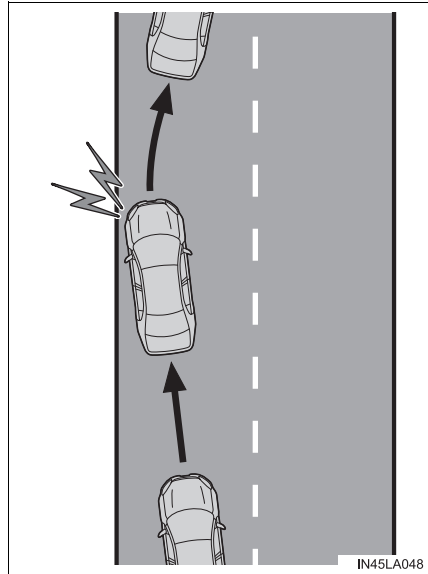
- The vehicle is driven in an area where the brightness changes suddenly, such as at the entrances and exits of tunnels, etc.
- Light from the headlights of an oncoming vehicle, the sun, etc. enters the camera.
- The vehicle is driven on a slope.
- The vehicle is driven on a road which tilts left or right, or a winding road.
- The vehicle is driven on an unpaved or rough road.
- 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.
- When tires of a size other than specified are installed.
- 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 a warning buzzer will sound to alert the driver.

When the warning buzzer sounds, check the area around your vehicle and carefully operate the steering wheel to move the vehicle back to the center of the lane.

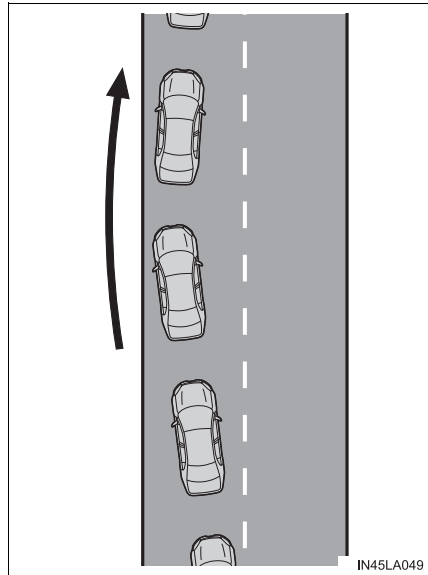


*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

■ 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.

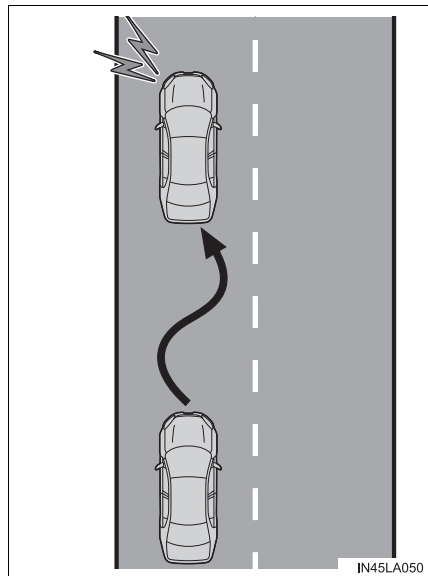
If the system detects that the steering wheel has not been operated for a fixed amount of time or the steering wheel is not being firmly gripped, a warning is displayed on the multi-information display and the function is temporarily canceled.



*: 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.



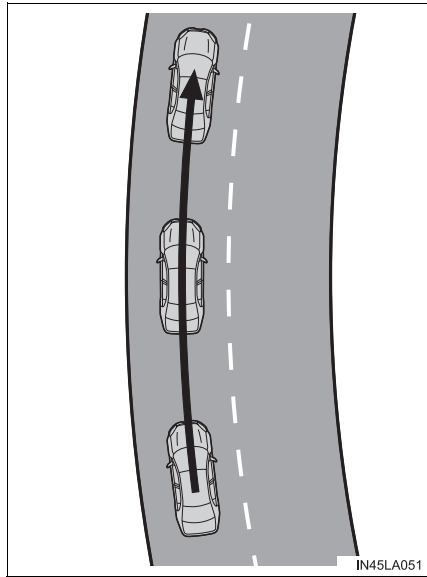
■ Lane centering function

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.



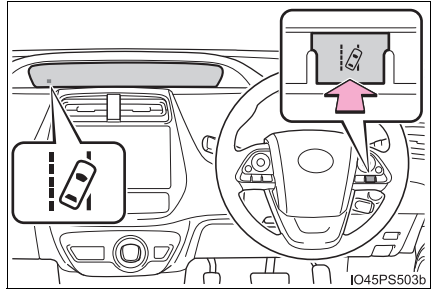
Turning LTA system on

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.



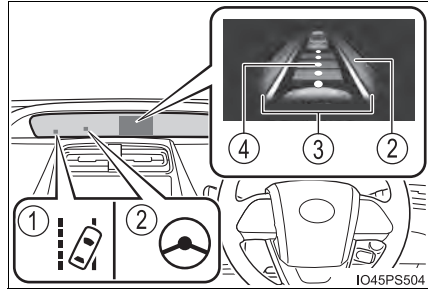
Indications on combination meter

① LTA indicator

The illumination condition of the indicator informs the driver of the system operation status.

Illuminated in green: LTA system is operating.

Flashing in orange: Lane departure alert function is operating.



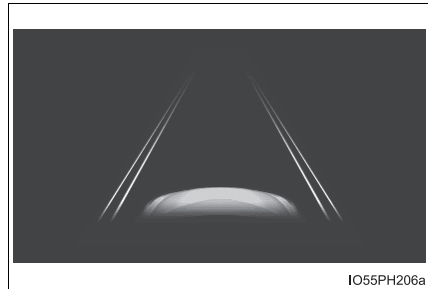
② Steering control indicator and operation display of steering wheel operation support

When that steering wheel assistance of the steering assist function or lane centering function is operating, the indicator illuminates and the operation display on the multi-information display is turned on.

③ Lane departure alert function display

Displayed when the multi-information display is switched to the driving assist system information screen.

- ▶ Inside of displayed lines is white
- ▶ Inside of displayed lines is black



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.

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

④ Follow-up cruising display

Displayed when the multi-information display is switched to the driving assist system information screen.

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.

■ 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 50 km/h (32 mph) 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 3 m (9.8 ft.) or more.
- Turn signal lever is not operated.
- Vehicle is not being driven around a sharp curve.
- No system malfunctions are detected. (→P. 274)

*1: The function operates even if the vehicle speed is less than approximately 50 km/h (32 mph) 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  ("LTA Steering Assist Mode") in  of the multi-information display is set to "On". (→P. 102)
- 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, TRC and PCS are not operating.
- TRC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P. 273)




● Vehicle sway warning function

This function operates when all of the following conditions are met.

- Setting for  (“Lane Sway Warning Status”) in  of the multi-information display is set to “On”. (→P. 102)
- Vehicle speed is approximately 50 km/h (32 mph) or more.
- Width of traffic lane is approximately 3 m (9.8 ft.) or more.
- No system malfunctions are detected. (→P. 274)

● Lane centering function

This function operates when all of the following conditions are met.

- LTA is turned on.
- Setting for  (“LTA Steering Assist Mode”) and  (“LTA Center Trace On/Off”) in  of the multi-information display are set to “On”. (→P. 102)
- 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 3 to 4 m (10 to 13 ft.).
- Turn signal lever is not operated.
- Vehicle is not being driven around a sharp curve.
- No system malfunctions are detected. (→P. 274)
- 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, TRC and PCS are not operating.
- TRC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P. 273)
- 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. 270)
- If the operation conditions (→P. 271) are no longer met while the lane centering function is operating, the buzzer may sound to indicate that the function has been temporarily canceled.

■ 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.
- If the edge of the course* is not clear or straight, the lane departure alert function may not operate.
- 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.

- When the system determines that the vehicle may deviate from the lane while driving around a curve while the lane centering function is operating

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.

■ 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.

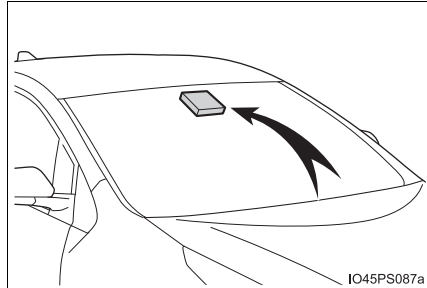
■ Customization

Function settings can be changed.
(Customizable features: →P. 126)

RSA (Road Sign Assist)*

Summary of function

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 according to the recognized road signs, it notifies the driver through a visual notification and notification buzzer.

WARNING

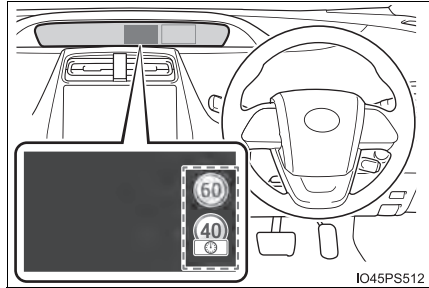
■ Before using the RSA

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 main display or multi-information display

When the front camera recognizes a sign, the sign will be displayed on the main display or multi-information display.

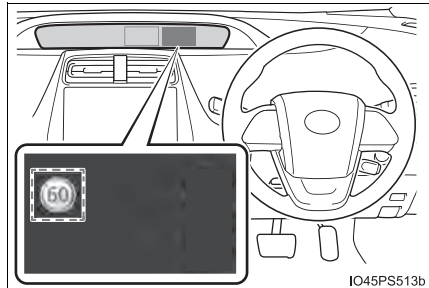
- When the driving assist system information is selected in multi-information display, a maximum of 2 signs can be displayed on the multi-information display. (→P. 102)



- When a tab other than the driving assist system information is selected, the following types of road signs will be displayed on the main display. (→P. 93)

- Speed limit sign

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 displayed.


A non-official or a recently introduced traffic sign may not be displayed.



Speed limit*



Conditional speed limit sign (School zone)

*: No speed limit information  is displayed when speed limit sign information is not available.

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.

Depending on the situation, a notification function may not operate properly.

■ Setting procedure

→P. 126

■ Automatic turn-off of RSA sign display

In the following situations, a displayed speed limit 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.

■ 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 main display or multi-information display, the same sign displays again when the power switch is turned to ON mode.

■ 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. 522)

Dynamic radar cruise control with full-speed range*

Summary of functions

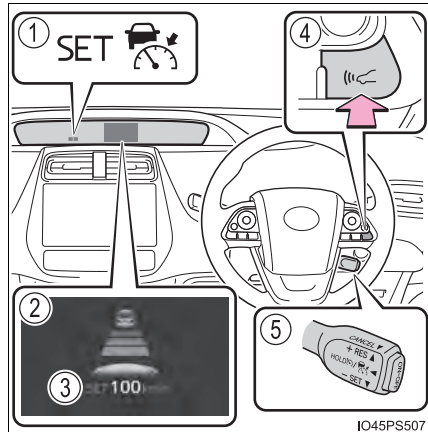
In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates, decelerates and stops to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.

Use the dynamic radar cruise control with full-speed range on free-ways and highways.

- Vehicle-to-vehicle distance control mode (→P. 282)
- Constant speed control mode (→P. 289)

System Components

- ① Indicators
- ② Multi-information display
- ③ Set speed
- ④ Vehicle-to-vehicle distance switch
- ⑤ Cruise control 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.
- 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. 293
 - Conditions under which the vehicle-to-vehicle distance control mode may not function correctly:→P. 294
- 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 "ON-OFF" button 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.

 **WARNING**

- **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.
- **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.

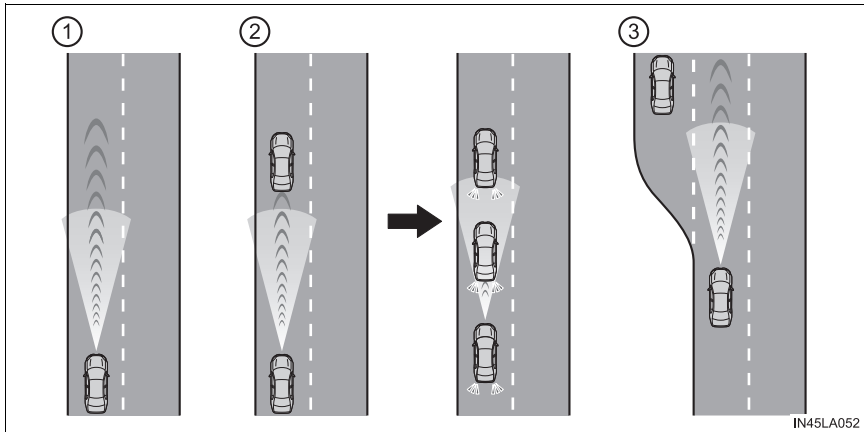
Doing so may result in inappropriate speed control and could cause an accident resulting in death or serious injury.

- 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
- 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 100 m (328 ft.) 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.



① Example of constant speed cruising

When there are no vehicles ahead

The vehicle travels at the speed set by the driver.

② 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, pushing the cruise control lever up 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 80 km/h (50 mph) 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).

③ 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 "ON-OFF" button to activate the cruise control.

Dynamic radar cruise control indicator will come on and a message will be displayed on the multi-information display.

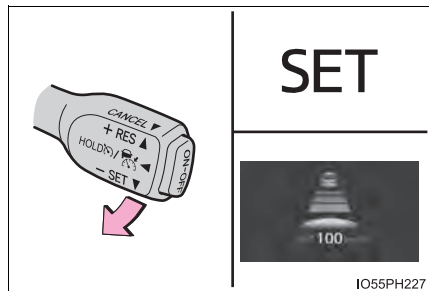
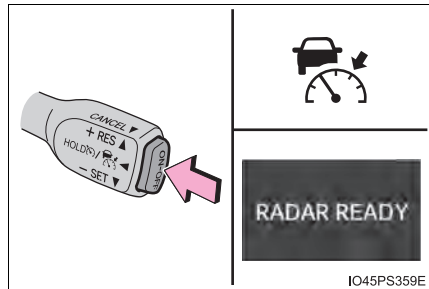
Press the button again to deactivate the cruise control.

If the "ON-OFF" button is pressed and held for 1.5 seconds or more, the system turns on in constant speed control mode. (→P. 289)

- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and push the lever down to set the speed.

Cruise control "SET" indicator will come on.

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



Adjusting the set speed

● Adjusting the set speed by the lever

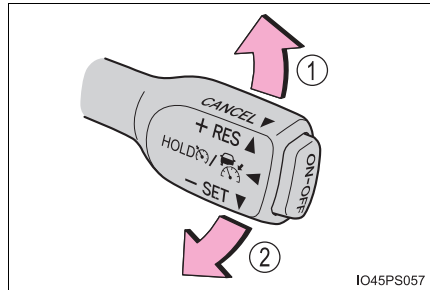
To change the set speed, operate the lever until the desired set speed is displayed.

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: Momentarily move the lever in the desired direction.



Large adjustment: Hold the lever up or down 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:

Fine adjustment: By 1 km/h (0.6 mph)^{*1} or 1 mph (1.6 km/h)^{*2} each time the lever is operated

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)^{*1} or 5 mph (8 km/h)^{*2} increments for as long as the lever is held

In the constant speed control mode (→P. 289), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph)^{*1} or 1 mph (1.6 km/h)^{*2} each time the lever is operated

Large adjustment: The speed will continue to change while the lever is held.

*1: When the set speed is shown in “km/h”

*2: When the set speed is shown in “MPH”

● Increasing the set speed by the accelerator pedal

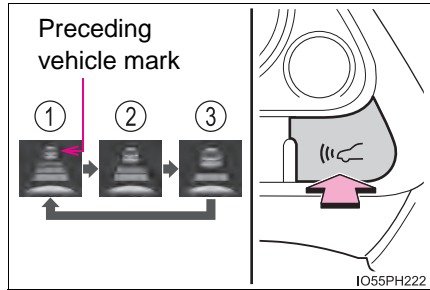
① Accelerate with accelerator pedal operation to the desired vehicle speed.

② Push the lever down.

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



Vehicle-to-vehicle distance settings (vehicle-to-vehicle distance control mode)

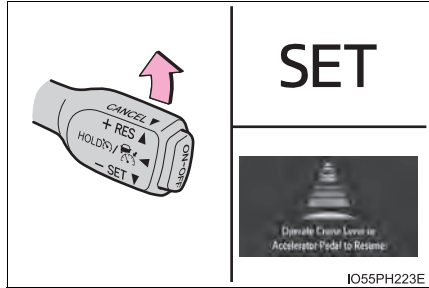
Select a distance from the table below. Note that the distances shown correspond to a vehicle speed of 80 km/h (50 mph). Vehicle-to-vehicle distance increases/decreases in accordance with vehicle speed. When the vehicle is stopped by system control, the vehicle stops at a certain vehicle-to-vehicle distance depending on the situation.

Distance options	Vehicle-to-vehicle distance
Long	Approximately 50 m (160 ft.)
Medium	Approximately 40 m (130 ft.)
Short	Approximately 30 m (100 ft.)

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, push the lever up.

Your vehicle will also resume follow-up cruising if the accelerator pedal is depressed after the vehicle ahead of you starts off.



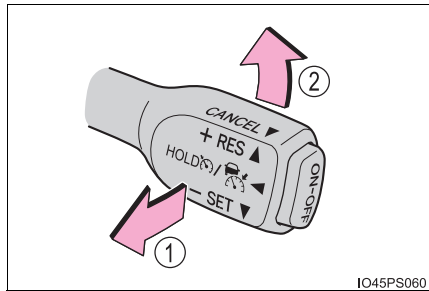
Canceling and resuming the speed control

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

The speed control is also canceled when the brake pedal is depressed.

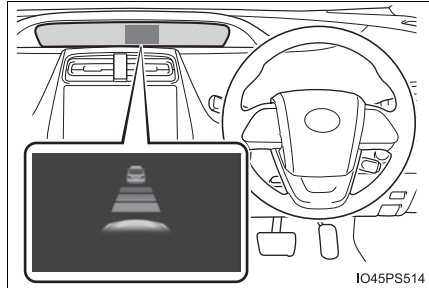
(When the vehicle has been stopped by system control, depressing the brake pedal does not cancel the setting.)

- ② Pushing the lever up 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

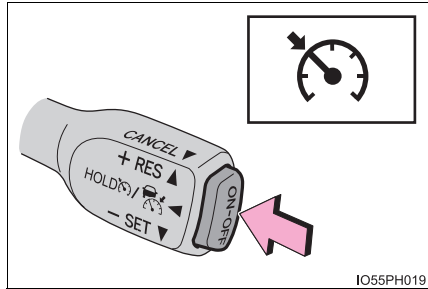
Selecting constant speed control mode

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 "ON-OFF" button for 1.5 seconds or more.

Immediately after the "ON-OFF" button 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 lever with the cruise control off.



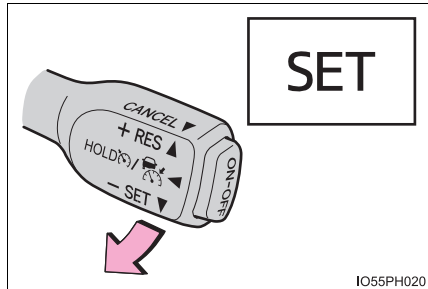
- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and push the lever down to set the speed.

Cruise control "SET" indicator will come on.

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

Adjusting the speed setting: →P. 285

Canceling and resuming the speed setting: →P. 287

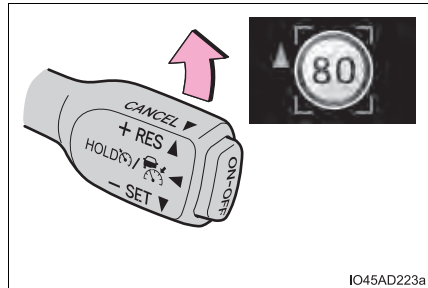


Dynamic Radar Cruise Control with Road Sign Assist

When this function is enabled and the system is operating in vehicle-to-vehicle distance control mode (→P. 282), when a speed limit sign is detected, the recognized speed limit will be displayed with an up/down arrow. The set speed can be increased/reduced to the recognized speed limit by pushing the lever up or down.

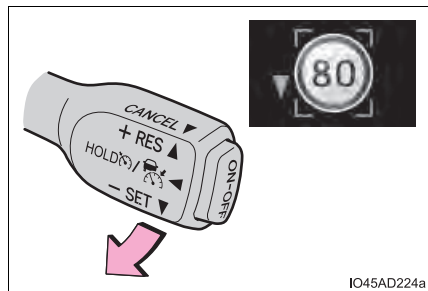
- When the current set speed is lower than the recognized speed limit

Push the lever up.




- When the current set speed is higher than the recognized speed limit

Push the lever down.



Enabling/Disabling the Dynamic Radar Cruise Control with Road Sign Assist

Dynamic Radar Cruise Control with Road Sign Assist can be enabled/

disabled in  on the multi-information display. (→P. 102)

When the Dynamic Radar Cruise Control with Road Sign Assist is operating, while driving down a hill, the vehicle speed may exceed the set speed.

In this case, the displayed set vehicle speed will be highlighted and a buzzer will sound to alert the driver.

■ Dynamic radar cruise control with full-speed range can be set when

- The shift position is in D.
- The desired set speed can be set when the vehicle speed is approximately 30 km/h (20 mph) or more.
(However, when the vehicle speed is set while driving at below approximately 30 km/h [20 mph], the set speed will be set to approximately 30 km/h [20 mph].)

■ 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

- Pushing the lever up while the vehicle ahead stops will resume follow-up cruising if the vehicle ahead starts off within approximately 3 seconds after the lever is pushed up.
- 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.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- The sensor cannot detect correctly because it is covered in some way.
- When the brake control or output restriction control of a driving support system operates. (For example: Pre-Collision System, Drive-Start Control)
- 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

The shift position may automatically change to P. (→P. 218)

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 16 km/h (10 mph) below the set vehicle speed.
- Actual vehicle speed falls below approximately 30 km/h (20 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- When the brake control or output restriction control of a driving support system operates. (For example: Pre-Collision System, Drive-Start Control)

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.

■ The Dynamic Radar Cruise Control with Road Sign Assist may not operate properly when

As the Dynamic Radar Cruise Control with Road Sign Assist may not operate properly in conditions in which RSA may not operate or detect correctly (→P. 278), when using this function, make sure to check the speed limit sign displayed.

In the following situations, the set speed may not be changed to the recognized speed limit by pushing the lever up or down.

- If speed limit information is not available
- When the recognized speed limit is the same as the set speed
- When the recognized speed limit is outside of the speed range that the dynamic radar cruise control system can operate

■ 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

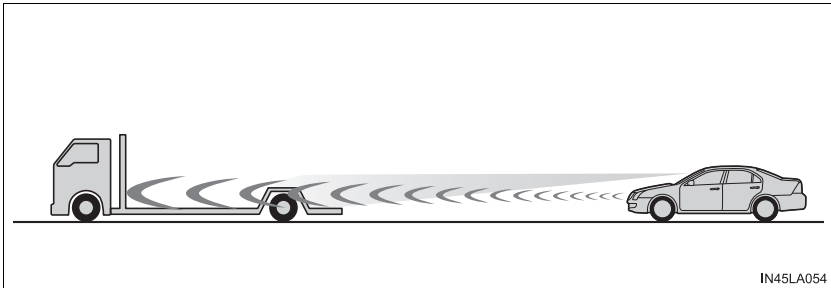
Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution while driving. If a warning message is shown on the multi-information display, read the message and follow the instructions. (→P. 247, 450)

■ When the sensor may not be correctly detecting the vehicle ahead

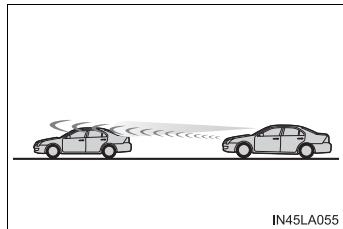
In the case of the following and depending on the conditions, operate the brake pedal when deceleration of the system is insufficient or operate the accelerator pedal when acceleration is required.

As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P. 288) may not be activated.

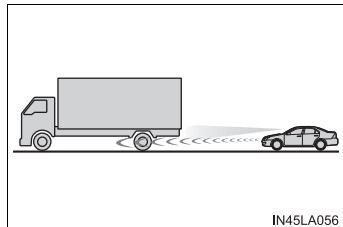
- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board, etc.)



- 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

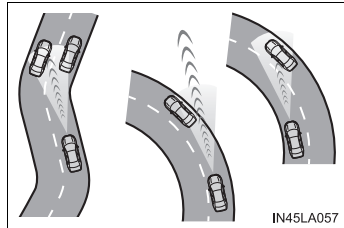


■ **Conditions under which the vehicle-to-vehicle distance control mode may not function correctly**

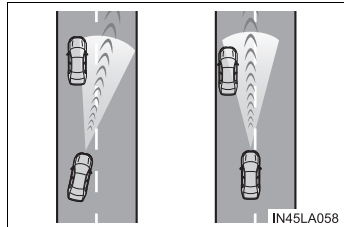
In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

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

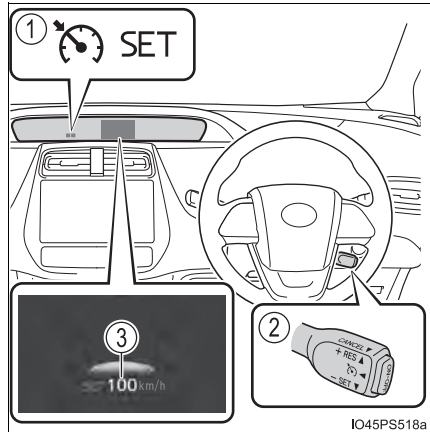
Cruise control*

Summary of functions

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

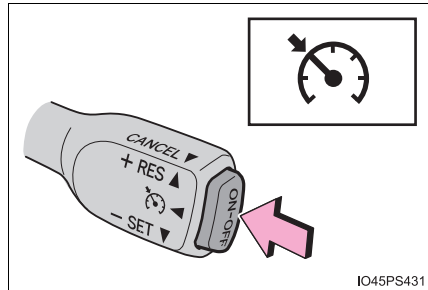
Use the cruise control on freeways and highways.

- ① Indicators
- ② Cruise control switch
- ③ Set speed

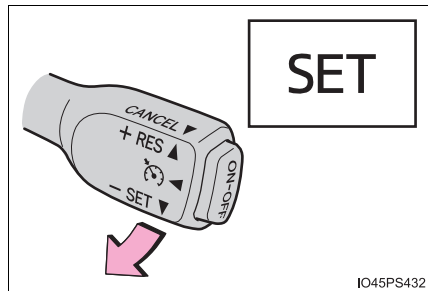


Setting the vehicle speed

- 1 Press the “ON-OFF” button to activate the cruise control.
Cruise control indicator will come on.
Press the button again to deactivate the cruise control.



- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (above approximately 30 km/h [20 mph]) and push the lever down to set the speed.
Cruise control “SET” indicator will come on.
The vehicle speed at the moment the lever is released becomes the set speed.



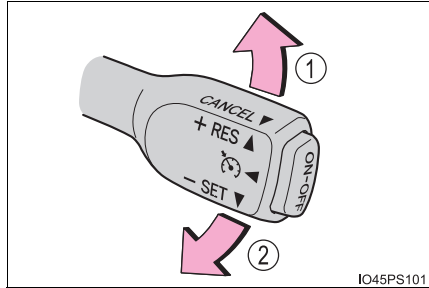
Adjusting the set speed

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

- ① Increases the speed
- ② Decreases the speed

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

Large adjustment: Hold the lever in the desired direction.



The set speed will be increased or decreased as follows:

Fine adjustment: By approximately 1 km/h (0.6 mph) each time the lever is operated

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

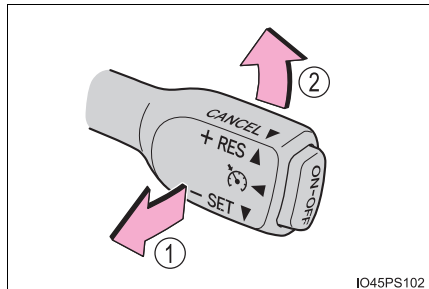
Canceling and resuming the constant speed control

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

The speed setting is also canceled when the brake pedal is depressed.

- ② Pushing the lever up resumes the constant speed control.

However, resuming is available when the vehicle speed is more than approximately 30 km/h (20 mph).



■ Cruise control can be set when

- The shift position is in D.
- Vehicle speed is above approximately 30 km/h (20 mph).

■ Accelerating after setting the vehicle speed

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

■ Automatic cancelation of cruise control

Cruise control is automatically canceled in any of the following situations.

- Actual vehicle speed falls more than approximately 16 km/h (10 mph) below the set speed.
At this time, the memorized set speed is not retained.
- Actual vehicle speed is below approximately 30 km/h (20 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.

■ If “Cruise Control Malfunction Visit Your Dealer” is displayed on the multi-information display

Press the “ON-OFF” button once to deactivate the system, and then press the button again to reactivate the system.

If the cruise control speed cannot be set or if the cruise control cancels immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by your Toyota dealer.

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

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

■ Situations unsuitable for cruise control

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

- 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 hills
Vehicle speed may exceed the set speed when driving down a steep hill.
- During emergency towing

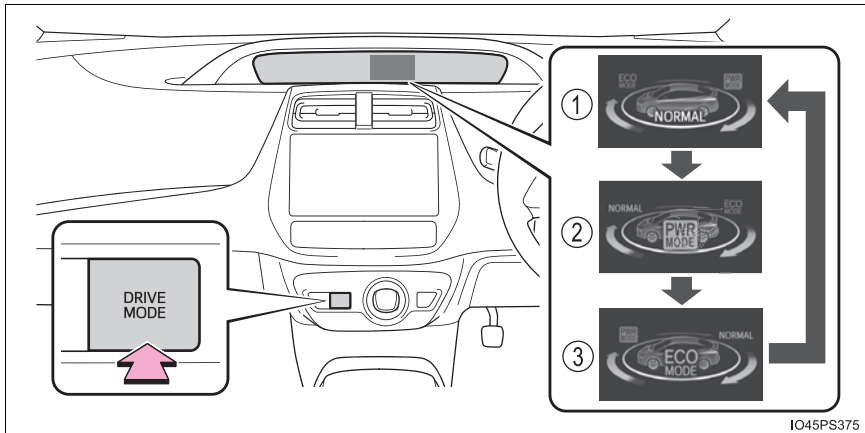
Driving mode select switch

In response to driving conditions, one of 3 driving modes can be selected.

Driving modes

Repeatedly press the switch until the system changes to the intended driving mode.

Each time the switch is pressed, the driving mode changes in the following order and the "ECO MODE" and "PWR MODE" indicators turn on or off accordingly.



① Normal mode

Suitable for normal driving.

When normal mode is selected, the “ECO MODE” and “PWR MODE” indicators turn off.

② Power mode

Suitable for when crisp handling and enhanced accelerator response are desired, such as when driving on mountainous roads.

When power mode is selected, the “PWR MODE” indicator will illuminate on the main display.

③ Eco drive mode

Suitable for driving that improves fuel economy by generating torque in response to accelerator pedal operations more smoothly than in normal mode.

When Eco drive mode is selected, the “ECO MODE” indicator will illuminate on the main display.

While the air conditioning is being used, the system automatically switches to air conditioning eco mode (→P. 333), allowing for driving that leads to even better fuel economy.

■ **When canceling Eco drive mode/power mode**

- Press the switch again. Also, power mode will be canceled automatically when the power switch is turned off.
- However, Normal mode and Eco drive mode will not be canceled automatically until the switch is pressed, even if the power switch is turned off.

■ **Switching the driving mode when in EV drive mode**

→P. 213

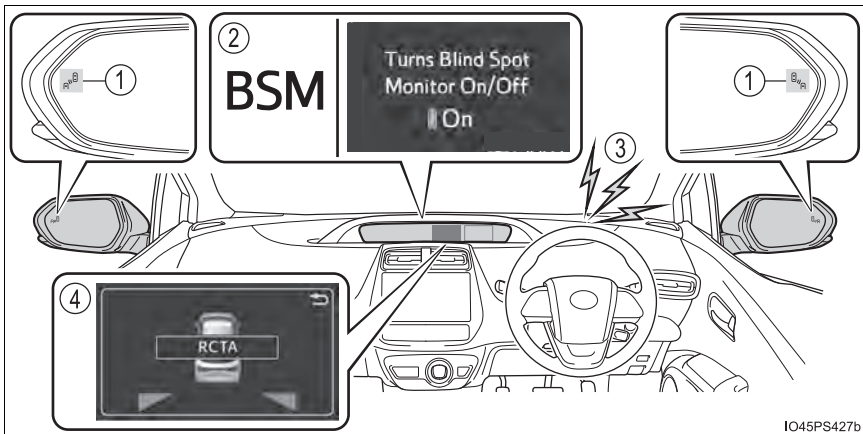
BSM (Blind Spot Monitor)*

Summary of the Blind Spot Monitor

The Blind Spot Monitor is a system that has 2 functions;

- The Blind Spot Monitor function
Assists the driver in making the decision when changing lanes
- The Rear Cross Traffic Alert function
Assists the driver when backing up

These functions use same sensors.



① Outside rear view mirror indicators

Blind Spot Monitor function:

When a vehicle is detected in the blind spot, the outside rear view mirror indicator comes on while the turn signal lever is not operated. If the turn signal lever is operated toward the detected side, the outside rear view mirror indicator flashes.

Rear Cross Traffic Alert function:

When a vehicle approaching from the right or left rear of the vehicle is detected, the outside rear view mirror indicators flash.

② The Blind Spot Monitor on/off screen and indicator

The Blind Spot Monitor function and Rear Cross Traffic Alert function can be switched on and off using the multi-information display. (→P. 126)

When switched on, the BSM indicator illuminates on the meter and the buzzer sounds.


③ Rear Cross Traffic Alert buzzer (Rear Cross Traffic Alert function only)


When a vehicle approaching from the right or left rear of the vehicle is detected, a buzzer sounds from the driver's side instrument panel.

④ RCTA detection screen (RCTA function only)

If a vehicle approaching from the right or left at the rear of the vehicle is detected, the RCTA detection screen will be shown on the multi-information display.

Changing settings of the Blind Spot Monitor function and Rear Cross Traffic Alert function

The Blind Spot Monitor function and Rear Cross Traffic Alert function can be enabled/disabled on the  screen (→P. 126) of the multi-information display.

Once the systems are disabled, the systems will not be enabled until they are enabled by the  screen of multi-information display again. (The systems are not automatically enabled even when the hybrid system is restarted.)

■ The BSM outside rear view mirror indicators visibility

When under strong sunlight, the outside rear view mirror indicator may be difficult to see.

■ The Rear Cross Traffic Alert buzzer hearing

The Rear Cross Traffic Alert buzzer may be difficult to hear over loud noises such as high audio volume.

■ When “Blind Spot Monitor Unavailable” is shown on the multi-information display

The sensor voltage has become abnormal, water, snow mud, etc., may be built up in the vicinity of the sensor area of bumper (→P. 305). Removing the water, snow, mud, etc., from the vicinity of the sensor area bumper should return it to normal. Also, the sensor may not function normally when used in extremely hot or cold weather.

■ When “Blind Spot Monitor System Malfunction Visit Your Dealer” is shown on the multi-information display

There may be a sensor malfunction or misaligned. Have the vehicle inspected by your Toyota dealer.

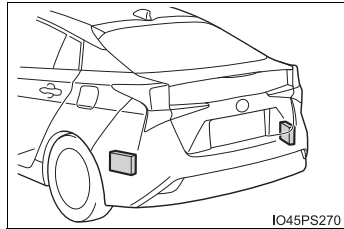
■ Customization

The brightness of the outside rear view mirror indicators can be changed. (Customizable features: →P. 522)

■ Certification for the Blind Spot Monitor

⚠ WARNING**■ To ensure the system can operate properly**

One Blind Spot Monitor sensor is installed inside the left and right side of the vehicle rear bumper respectively. Observe the following to ensure the Blind Spot Monitor can function correctly.



- Keep the sensor and its surrounding area on the bumper clean at all times.
- 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 or stickers to the sensor or surrounding area on the bumper.
- Do not modify the sensor or surrounding area on the bumper.
- Do not paint the rear bumper any color other than an official Toyota color.

The Blind Spot Monitor function

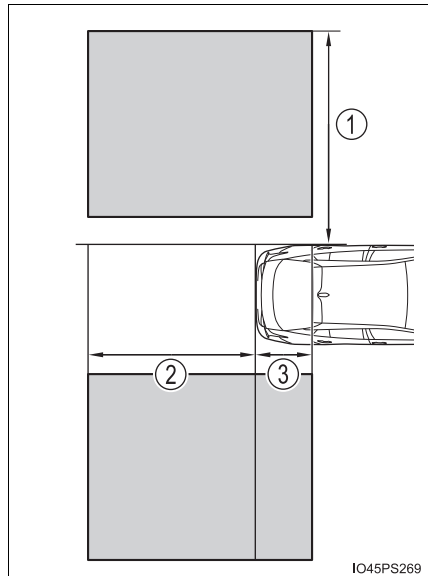
The Blind Spot Monitor function uses radar sensors to detect vehicles that are traveling in an adjacent lane in the area that is not reflected in the outside rear view mirror (the blind spot), and advises the driver of the vehicle's existence via the outside rear view mirror indicator.

The Blind Spot Monitor function detection areas

The areas that vehicles can be detected in are outlined below.

The range of the detection area extends to:

- ① Approximately 3.5 m (11.5 ft.) from the side of the vehicle
The first 0.5 m (1.6 ft.) from the side of the vehicle is not in the detection area
- ② Approximately 3 m (9.8 ft.) from the rear bumper
- ③ Approximately 1 m (3.3 ft.) forward of the rear bumper



 **WARNING**
■ Cautions regarding the use of the system

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The Blind Spot Monitor function is a supplementary function which alerts the driver that a vehicle is present in the blind spot. Do not overly rely on the Blind Spot Monitor function. The function cannot judge if it is safe to change lanes, therefore over reliance could cause an accident resulting in death or serious injury.

According to conditions, the system may not function correctly. Therefore the driver's own visual confirmation of safety is necessary.

■ The Blind Spot Monitor function is operational when

- The BSM system is set to on (→P. 126)
- Vehicle speed is greater than approximately 16 km/h (10 mph).

■ The Blind Spot Monitor function will detect a vehicle when

- A vehicle in an adjacent lane overtakes your vehicle.
- You overtake a vehicle in adjacent lane slowly.
- Another vehicle enters the detection area when it changes lanes.

■ Conditions under which the system will not detect a vehicle

The Blind Spot Monitor 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 driving 2 lanes across from your vehicle*
- Vehicles which are being overtaken rapidly by your vehicle*

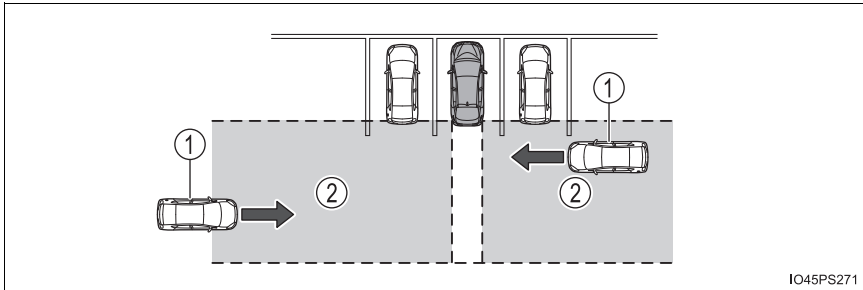
*: Depending on conditions, detection of a vehicle and/or object may occur.

■ Conditions under which the system may not function correctly

- The Blind Spot Monitor 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 a bicycle carrier or other accessory is installed to the rear of the vehicle
 - When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
 - Immediately after the Blind Spot Monitor function is turned on
- Instances of the Blind Spot Monitor 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 a bicycle carrier or other accessory is installed to the rear of the vehicle

The Rear Cross Traffic Alert function

The Rear Cross Traffic Alert functions when your vehicle is in reverse. It can detect other vehicles approaching from the right or left rear of the vehicle. It uses radar sensors to alert the driver of the other vehicle's existence through flashing the outside rear view mirror indicators and sounding a buzzer.



① Approaching vehicles

② Detection areas

⚠ WARNING

■ Cautions regarding the use of the system

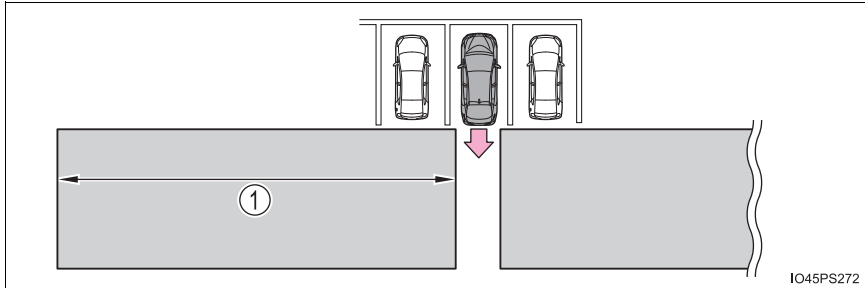
There is a limit to the degree of recognition accuracy and control performance that this system can provide, do not overly rely on this system. The driver is always responsible for paying attention to the vehicle's surroundings and driving safely. (→P. 307)

■ To ensure the system can operate properly

→P. 305

The Rear Cross Traffic Alert function detection areas

The areas that vehicles can be detected in are outlined below.



To give the driver a more consistent time to react, the buzzer can alert for faster vehicles from farther away.

Example:

Approaching vehicle	Speed	① Approximate alert distance
Fast	28 km/h (18 mph)	20 m (65 ft.)
Slow	8 km/h (5 mph)	5.5 m (18 ft.)

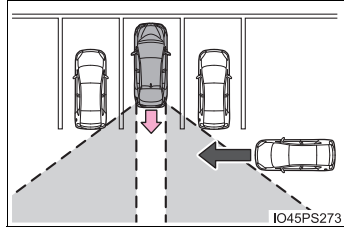
■ The Rear Cross Traffic Alert function is operational when

- The BSM system is set to on. (→P. 126)
- The shift position is in R.
- Vehicle speed is less than approximately 8 km/h (5 mph).
- Approaching vehicle speed is between approximately 8 km/h (5 mph) and 28 km/h (18 mph).

■ Conditions under which the system will not detect a vehicle

The Rear Cross Traffic Alert function is not designed to detect the following types of vehicles and/or objects:

- Vehicles approaching from directly behind
- Vehicles backing up in a parking space next to your vehicle
- Vehicles that the sensors cannot detect due to obstructions



- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*
- The distance between the sensor and approaching vehicle gets too close

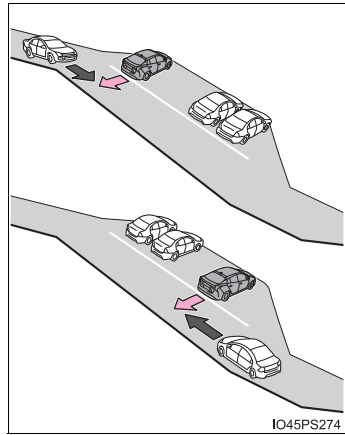
*: Depending on the conditions, detection of a vehicle and/or object may occur.

■ Situations in which the system may not operate properly

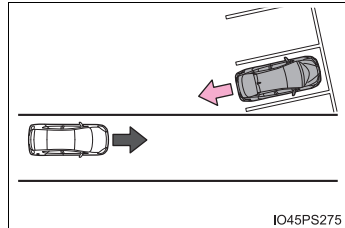
The Rear Cross Traffic Alert function may not detect vehicles correctly in the following situations:

- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When mud, snow, ice, a sticker, etc. is covering the sensor or surrounding area on the position above the rear bumper
- When driving on a road surface that is wet with standing water during bad weather, such as heavy rain, snow, or fog
- When multiple vehicles are approaching with only a small gap between each vehicle
- When a vehicle is approaching at high speed
- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow

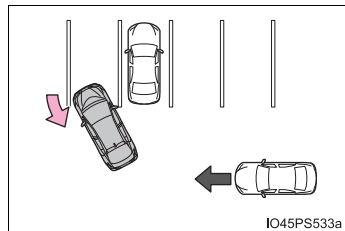
- When backing up on a slope with a sharp change in grade



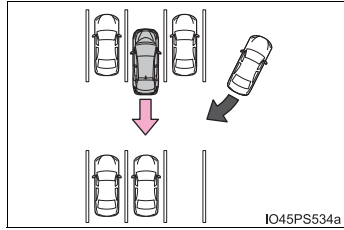
- When backing out of a sharp angle parking spot



- When towing a trailer
- When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
- When a sensor or the area around a sensor is extremely hot or cold
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load
- When turning while backing up



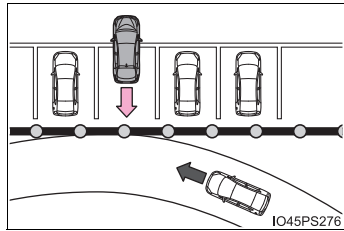
- When a vehicle turns into the detection area



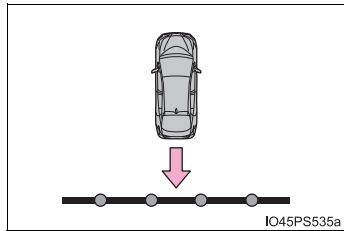
■ Situations in which the system may operate even if there is no possibility of a collision

Instances of the Rear Cross Traffic Alert function unnecessarily detecting a vehicle and/or object may increase in the following situations:

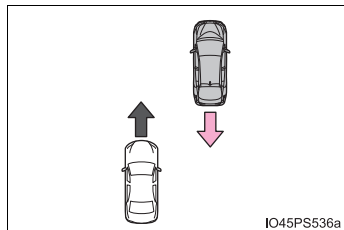
- When the parking space faces a street and vehicles are being driven on the street



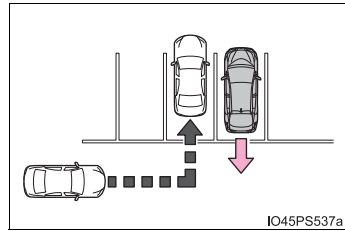
- When the distance between your vehicle and metal objects, such as a guardrail, wall, sign, or parked vehicle, which may reflect electrical waves toward the rear of the vehicle, is short



- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow
- When a vehicle passes by the side of your vehicle



- When a detected vehicle turns while approaching the vehicle



- When there are spinning objects near your vehicle such as the fan of an air conditioning unit
- When water is splashed or sprayed toward the rear bumper, such as from a sprinkler
- Moving objects (flags, exhaust fumes, large rain droplets or snowflakes, rain water on the road surface, etc.)
- When the distance between your vehicle and a guardrail, wall, etc., that enters the detection area is short
- Gratings and gutters
- When a sensor or the area around a sensor is extremely hot or cold
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load

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.

◆ ECB (Electronically Controlled Brake System)

The electronically controlled system generates braking force corresponding to the brake operation

◆ ABS (Anti-lock Brake System)

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

◆ Brake assist

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

◆ VSC (Vehicle Stability Control)

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

Provides cooperative control of the ABS, TRC, VSC and EPS.

Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

◆ TRC (Traction Control)

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

◆ 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)

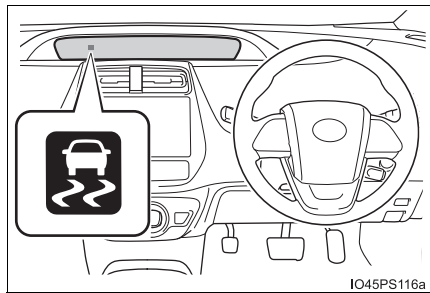
Employs an electric motor to reduce the amount of effort needed to turn the steering wheel

◆ Emergency brake signal


When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehicle behind.

When the TRC/VSC/ABS systems are operating

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




Disabling the TRC system

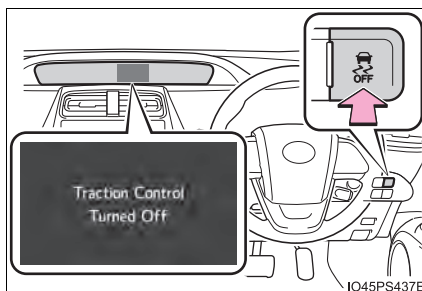
If the vehicle gets stuck in mud, dirt or snow, the TRC system may reduce power from the hybrid system to the wheels. Pressing  to turn the system off may make it easier for you to rock the vehicle in order to free it.

To turn the TRC system off, quickly press and release




The “Traction Control Turned Off” will be shown on the multi-information display.


Press  again to turn the system back on.



Turning off both TRC and VSC systems

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

The VSC OFF indicator will come on and the “Traction Control Turned Off” will be shown on the multi-information display.*

Press  again to turn the systems back on.

*: On vehicles with pre-collision system, pre-collision brake assist and pre-collision braking will also be disabled. The PCS warning light will come on and the message will be shown on the multi-information display. (→P. 446)

When the message is displayed on the multi-information display showing that TRC has been disabled even if has not been pressed

TRC is temporary deactivated. If the information continues to show, contact your Toyota dealer.

■ Operating conditions of hill-start assist control

When the following four conditions are met, the hill-start assist control will operate:

- The shift position 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:

- Shift the shift position 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, TRC and hill-start assist control systems

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

■ ECB operating sound

ECB operating sound may be heard in the following cases, but it does not indicate that a malfunction has occurred.

- Operating sound heard from the engine compartment when the brake pedal is operated.
- Motor sound of the brake system heard from the front part of the vehicle when the driver's door is opened.
- Operating sound heard from the engine compartment when one or two minutes passed after the stop of the hybrid system.

■ Active Cornering Assist operation sounds and vibrations

When 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 TRC and VSC systems

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

- When the power switch is turned off
- If only the TRC system is turned off, the TRC will turn on when vehicle speed increases

If both the TRC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases.

■ Operating conditions of Active Cornering Assist

The system operates when the following occurs.

- TRC/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.

■ Electric power steering system warning light (warning buzzer)

→P. 446

■ Operating conditions of emergency brake signal


When the following conditions are met, the emergency brake signal will operate:

- The emergency flashers are off.
- Actual vehicle speed is over 55 km/h (35 mph).
- The system judges from the vehicle deceleration that it is a sudden braking operation.

■ Automatic system cancelation of emergency brake signal

The emergency brake signal will be canceled in any of the following situations:

- The emergency flashers are turned on.
- The system judges from the vehicle deceleration that is not a sudden braking operation.

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

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

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

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

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

■ TRC/VSC may not operate effectively when

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

■ 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, TRC 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 TRC/ABS/VSC is activated

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

 **WARNING****■ When the TRC/VSC systems are turned off**

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

■ Replacing tires

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

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

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

■ Handling of tires and the suspension

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

Hybrid vehicle driving tips

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

◆ Using Eco drive mode

When using Eco drive mode, the torque corresponding to the accelerator pedal depression amount can be generated more smoothly than it is in normal conditions. In addition, the operation of the air conditioning system (heating/cooling) will be minimized, improving the fuel economy. (→P. 300)

◆ Use of Hybrid System Indicator

The Eco-friendly driving is possible by keeping the Hybrid System Indicator within Eco area. (→P. 107)

◆ Shift position operation

Shift the shift position to D when stopped at a traffic light, or driving in heavy traffic etc. Shift the shift position to P when parking. When using the N, there is no positive effect on fuel consumption. In the N, the gasoline engine operates but electricity cannot be generated. Also, when using the air conditioning system, etc., the hybrid battery (traction battery) power is consumed.

◆ Accelerator pedal/brake pedal operation

- Drive your vehicle smoothly. Avoid abrupt acceleration and deceleration. Gradual acceleration and deceleration will make more effective use of the electric motor (traction motor) without having to use gasoline engine power.
- Avoid repeated acceleration. Repeated acceleration consumes hybrid battery (traction battery) power, resulting in poor fuel consumption. Battery power can be restored by driving with the accelerator pedal slightly released.

◆ When braking

Make sure to operate the brakes gently and in a timely manner. A greater amount of electrical energy can be regenerated when slowing down.

◆ Delays

Repeated acceleration and deceleration, as well as long waits at traffic lights, will lead to bad fuel economy. Check traffic reports before leaving and avoid delays as much as possible. When driving in a traffic jam, gently release the brake pedal to allow the vehicle to move forward slightly while avoiding overuse of the accelerator pedal. Doing so can help control excessive gasoline consumption.

◆ Highway driving

Control and maintain the vehicle at a constant speed. Before stopping at a toll booth or similar, allow plenty of time to release the accelerator and gently apply the brakes. A greater amount of electrical energy can be regenerated when slowing down.

◆ Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive gasoline consumption.

In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.

In winter: Because the gasoline engine will not automatically cut out until it and the interior of the vehicle are warm, it will consume fuel. Also, fuel consumption can be improved by avoiding overuse of the heater.

◆ Checking tire inflation pressure

Make sure to check the tire inflation pressure frequently. Improper tire inflation pressure can cause poor fuel economy.

Also, as snow tires can cause large amounts of friction, their use on dry roads can lead to poor fuel economy. Use tires that are appropriate for the season.

◆ Luggage

Carrying heavy luggage will lead to poor fuel economy. Avoid carrying unnecessary luggage. Installing a large roof rack will also cause poor fuel economy.

◆ Warming up before driving

Since the gasoline engine starts up and cuts out automatically when cold, warming up the engine is unnecessary. Moreover, frequently driving short distances will cause the engine to repeatedly warm up, which can lead to excess fuel consumption.

Winter driving tips

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

Preparation for winter

- Use fluids that are appropriate to the prevailing outside temperatures.
 - Engine oil
 - Engine/power control unit coolant
 - Washer fluid
- Have a service technician inspect the condition of the 12-volt battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the front tires.

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

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 shift the shift position to P and block the wheel under the vehicle 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.

Selecting tire chains

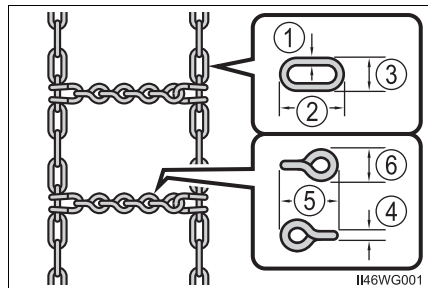
Use the correct tire chain size when mounting the tire chains. Chain size is regulated for each tire size.

Side chain

- ① 3.0 mm (0.12 in.)
- ② 30.0 mm (1.18 in.)
- ③ 10.0 mm (0.39 in.)

Cross chain

- ④ 4.0 mm (0.16 in.)
- ⑤ 25.0 mm (0.98 in.)
- ⑥ 14.0 mm (0.55 in.)



Regulations on the use of tire chains

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

■ Tire chain installation

Observe the following precautions when installing and removing chains:

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



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 at speeds in excess of the speed limit or the speed limit specified for the snow tires being used.
- Use snow tires on all, not just some wheels.

■ Driving with tire chains

Observe the following precautions to reduce the risk of accidents.

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

- Do not drive in excess of the speed limit specified for the tire chains being used, or 50 km/h (30 mph), whichever is lower.
- Avoid driving on bumpy road surfaces or over potholes.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.
- Do not use LTA (Lane Tracing Assist) (if equipped).

■ 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.

Interior features

5

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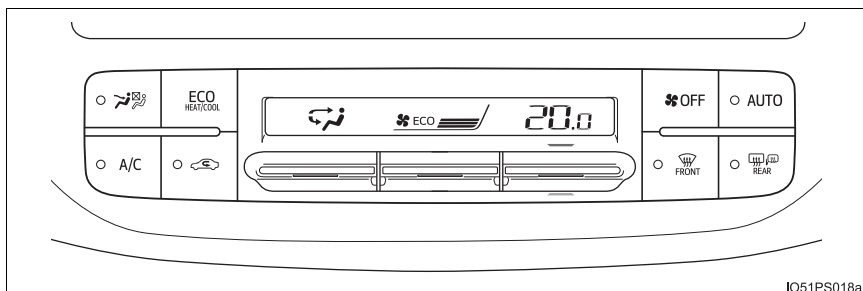
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Automatic air conditioning system

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


Air conditioning controls

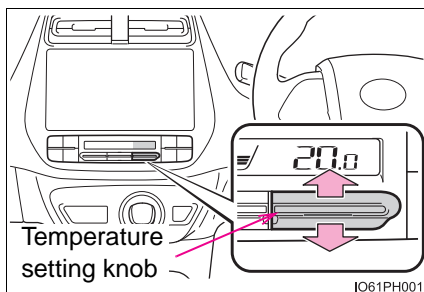


IO51FS018a

■ Adjusting the temperature setting

Move the temperature setting knob upwards to increase the temperature and downwards to decrease the temperature.

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




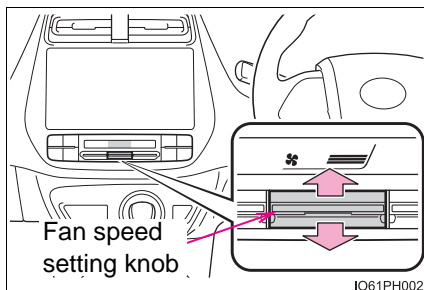
IO61PH001

■ Fan speed setting

Move the fan speed setting knob upwards to increase the fan speed and downwards to decrease the fan speed.

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

Press  to turn the fan off.



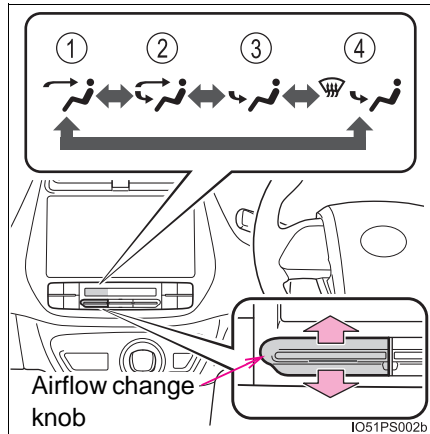
IO61PH002

■ Change the airflow mode

Move the airflow change knob upwards or downwards to change the airflow mode.

The air outlets used are switched each time the knob is operated.



- ① Air flows to the upper body
- ② Air flows to the upper body and feet
- ③ Air flows to the feet
- ④ Air flows to the feet and the windshield defogger operates




■ Other functions

- Switching between outside air and recirculated air modes (→P. 333)
- Defogging the windshield (→P. 334)
- Defogging the rear window and outside rear view mirrors (→P. 334)

Using automatic mode


- 1 Press  .
- 2 Adjust the temperature setting. (→P. 330)
- 3 Press  .

The cooling and dehumidification function switches between on and off each time  is pressed.

- 4 To stop the operation, press  .

When in automatic mode, the air outlet modes and fan speed levels are not displayed in the air conditioning control panel display.

■ Automatic mode indicator

If the fan speed setting or air flow modes are operated, the  indicator goes off. However, automatic mode for functions other than that operated is maintained.

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

Other functions

■ Switching between outside air and recirculated air modes

Press  .


The mode switches between outside air mode and recirculated air mode each time  is pressed.

The  indicator illuminates when the recirculated air mode is selected.

■ Air conditioning eco mode

The air conditioning system is controlled with low fuel consumption prioritized such as reducing fan speed, etc.

Press  .


The air conditioning eco mode switches between on and off each time  is pressed.

“ECO” is displayed in the air conditioning control panel display when the air conditioning eco mode is on.

■ Defogging the windshield


Defoggers are used to defog the windshield and front side windows.

Press  .

Set  to outside air mode if the recirculated air mode is used. (It may switch automatically.)

To defog the windshield and the side windows early, turn the air flow and temperature up.


The  indicator illuminates when the defoggers are on.

To return to the previous mode, press  again when the windshield is defogged.

■ Defogging the rear window and outside rear view mirrors

Defoggers are used to defog the rear window and to remove rain-drops, dew and frost from the outside rear view mirrors.

Press  .

Defoggers switch between on and off each time  is pressed.

The  indicator illuminates when the defoggers are on.

The defoggers will automatically turn off after approximately 15 minutes.

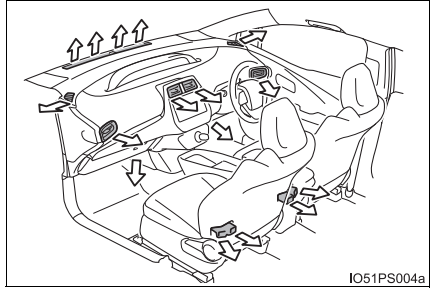
■ Eco score (A/C score)

→P. 124

Air outlets

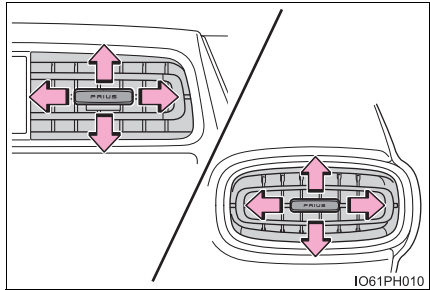
■ Location of air outlets

The air outlets and air volume change according to the selected airflow mode.



■ Adjusting the air flow direction

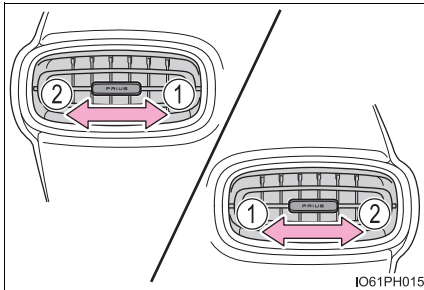
Direct air flow to the left or right, up or down.



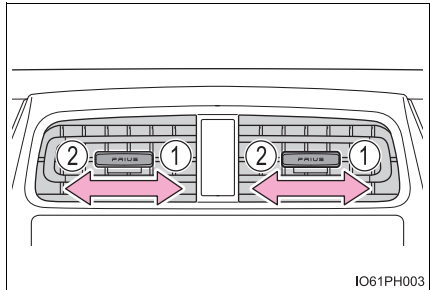
■ Opening and closing the air outlets

▶ Left side outlet/right side outlet

▶ Center outlets




- ① Open the vent
- ② Close the vent



- ① Open the vent
- ② Close the vent


■ Using automatic mode

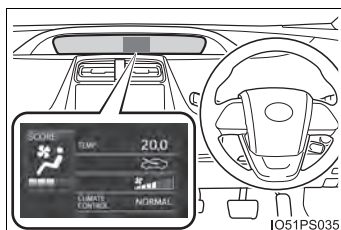
Fan speed is adjusted automatically according to the temperature setting and the ambient conditions.

Therefore, the fan may stop for a while until warm or cool air is ready to flow immediately after  is pressed.

■ Setting confirmation screen

When changing the settings of the air conditioning system, the setting confirmation screen is shown as a pop-up on the multi-information display.

Press  of the meter control switches to go back to the previous screen.



■ 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

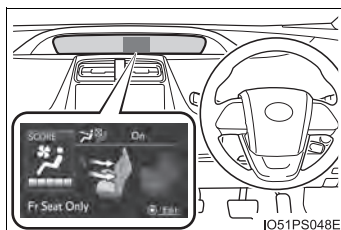
Even if the function is manually switched to directing airflow to only the front seats, when a rear seat is occupied, it may automatically direct airflow to all seats.

■ 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.

■ Front seat concentrated airflow mode (S-FLOW) operation

When  is pressed, the front seat concentrated airflow mode (S-FLOW) status is displayed on the multi-information display.





■ Changing settings using the multi-information display

The air conditioning system settings can be changed on the  screen of the multi-information display (→P. 122).

■ Fogging up of the windows

- The windows will easily fog up when the humidity in the vehicle is high.

Turning  on will dehumidify the air from the outlets and defog the windshield effectively.

- If you turn  off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

■ When driving on dusty roads

Close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake mode be set to outside air mode and the fan speed to any setting except off.


■ Outside/recirculated air mode

- Setting to the recirculated air mode temporarily is recommended in preventing dirty air from entering the vehicle interior and helping to cool the vehicle when the outside air temperature is high.
- Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.


■ Fresh air intake system while parking

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.

■ Operation of the air conditioning system in the air conditioning eco mode

- In the air conditioning eco 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:
 - Adjust the fan speed
 - Adjust the temperature setting
 - Turn off the air conditioning eco mode
- When the driving mode is set to Eco driving mode, the air conditioning eco mode will be turned on automatically. Even in this case, the air conditioning eco mode can be turned off by pressing . (→P. 300)

■ When the outside temperature falls to nearly 0°C (32°F)

The dehumidification function may not operate even when  is pressed.

■ Ventilation and air conditioning odors

- To let the 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.
- In order to suppress odors that occur when the air conditioning system starts, fresh air is automatically taken in when parked.
- To reduce potential odors from occurring, 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.

■ Air conditioning filter

→P. 406


■ Customization

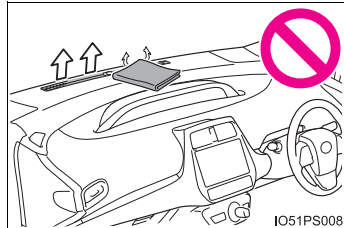
Settings (e.g. outside/recirculated air mode) can be changed.

(Customizable features: →P. 522)

⚠ WARNING

■ To prevent the windshield from fogging up

- Do not use  during cool air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.
- 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.



■ To prevent burns

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.

■ Air outlets

The air outlets become hot when used for heating. Therefore, use caution and adjust the air outlets accordingly.

Seat heaters*

Seat heaters heat the front seats.

WARNING

- Care should be taken to prevent injury if anyone in the following categories comes in contact with the 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.)
- Observe the following precautions to prevent minor burns or overheating:
 - Do not cover the seat with a blanket or cushion when using the seat heater.
 - Do not use seat heater more than necessary.

NOTICE

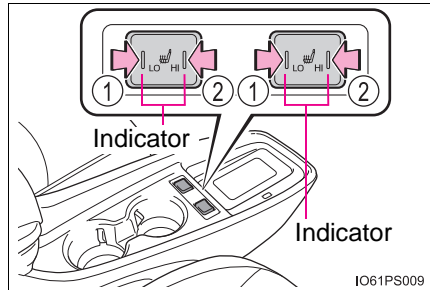
- Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.
- To prevent 12-volt battery discharge, do not use the functions when the hybrid system is off.

Operating instructions

- ① Heats the seat at low temperature (LO)
- ② Heats the seat at high temperature (HI)

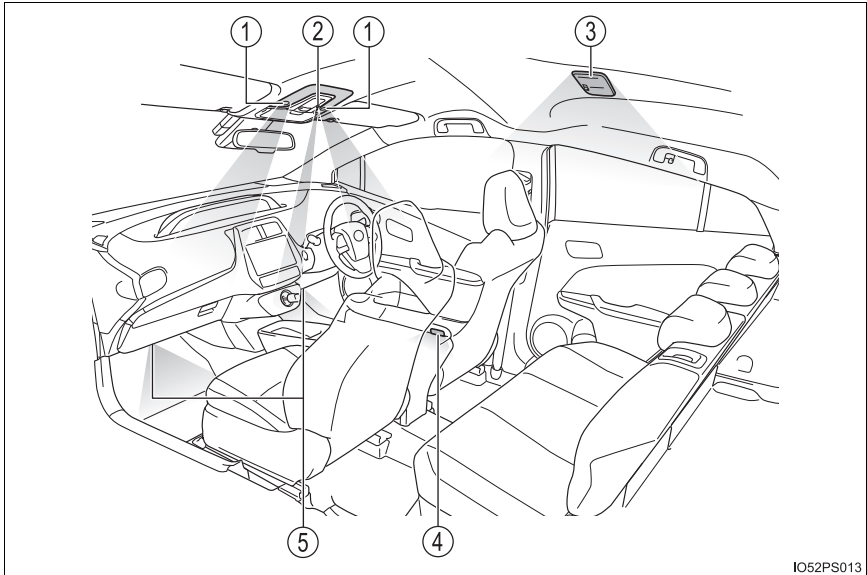
The indicator light comes on when one side of the switch is pressed.

To stop operation, gently press the other side of the switch.



- The seat heaters can be used when the power switch is in ON mode.
- When not in use, turn off the switch. The indicator light goes off.

Interior lights list

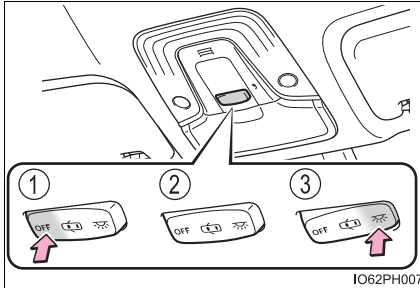


IO52PS013

- ① Front personal/interior lights (→P. 343)
- ② Shift lever lighting
- ③ Rear interior light (→P. 344)
- ④ Front door courtesy lights
- ⑤ Footwell lights

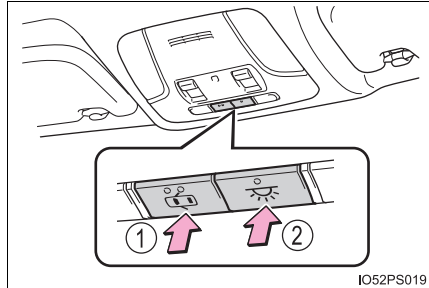
Front interior light

► Vehicles without moon roof



- ① Turns the lights off
- ② Turns the door position on
- ③ Turns the lights on

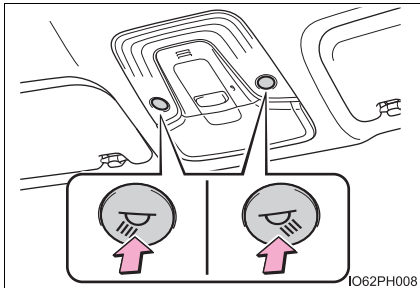
► Vehicles with moon roof



- ① Turns the door position on/off
- ② Turns the lights on/off

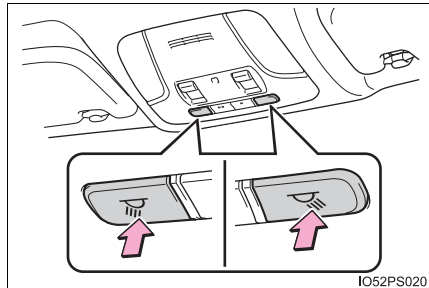
Front personal lights

► Vehicles without moon roof



Turns the lights on/off

► Vehicles with moon roof



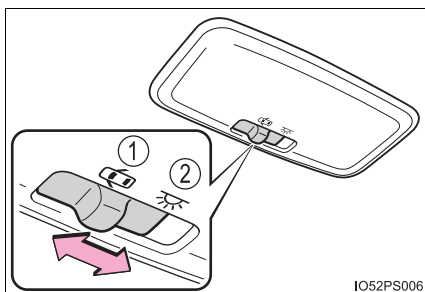
Turns the lights on/off

Rear interior light

- ① Turns the switch to the door position (door linked)

Operation is linked with the front interior light main switch. When the switch is off, the light does not illuminate.

- ② Turns the light on



■ Illuminated entry system

The lights automatically turn on/off according to power switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are opened/closed.

■ To prevent the 12-volt battery from being discharged

If the interior lights remain on when the power switch is turned off, the light will go off automatically after 20 minutes.

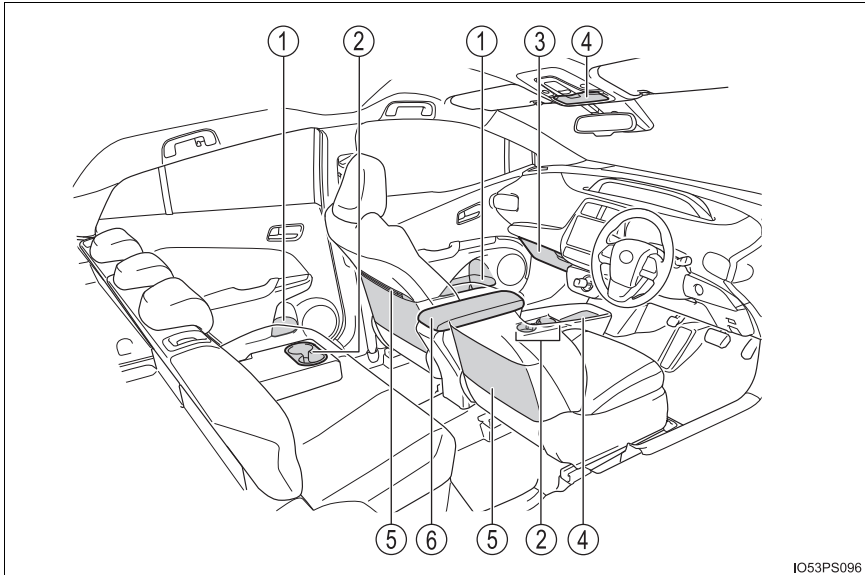
■ Customization

Settings (e.g. the time elapsed before the lights turn off) can be changed.
(Customizable features: →P. 522)

⚠ 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



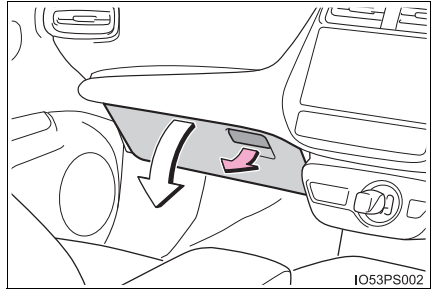
- | | |
|--|-------------------------------|
| ① Bottle holders/door pockets
(→P. 348) | ④ Auxiliary boxes (→P. 349) |
| ② Cup holders (→P. 347) | ⑤ Seat back pockets (→P. 350) |
| ③ Glove box (→P. 346) | ⑥ Console box (→P. 346) |

WARNING

- 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.
- When driving or when the storage compartments are not in use, keep the lids closed.
In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by an open lid or the items stored inside.

Glove box

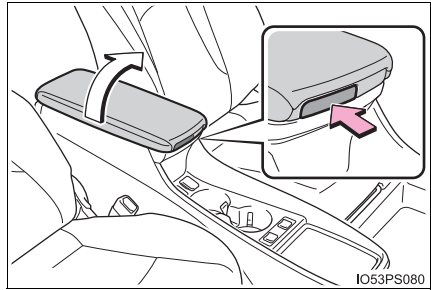
Pull up the lever.



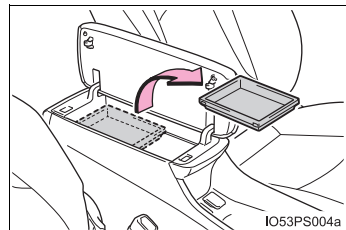
The glove box light turns on when the tail lights are on.

Console box

Press the knob and open the lid.

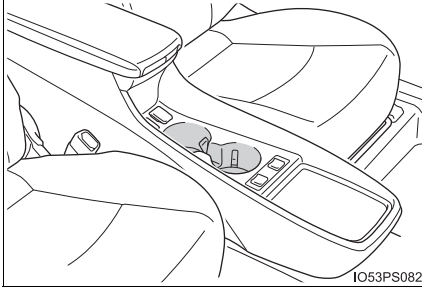


The tray slides forward/backward and can be removed.

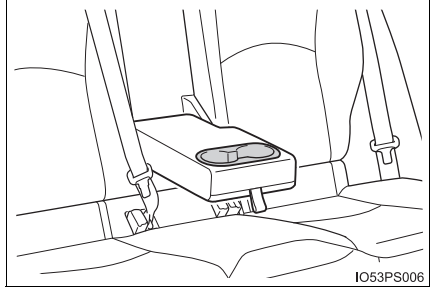


Cup holders

▶ Front



▶ Rear



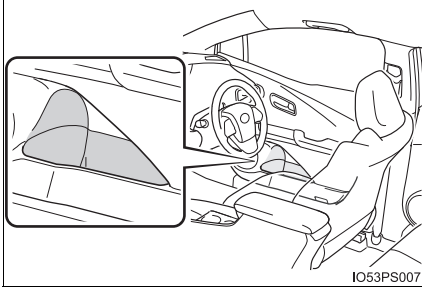
Pull down the armrest.

⚠ WARNING

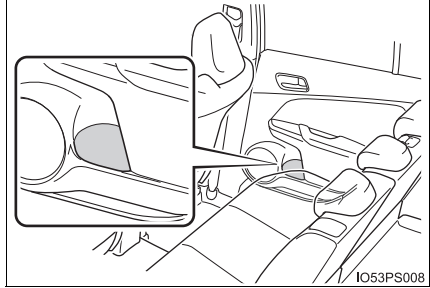
Do not place anything other than cups or aluminum cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking, causing injury. If possible, cover hot drinks to prevent burns.

Bottle holders/door pockets

▶ Front doors



▶ Rear doors



- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.

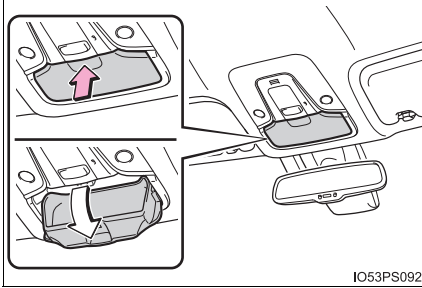
 **NOTICE**

Put the cap on before stowing a bottle. 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 boxes (if equipped)

▶ Type A (if equipped)

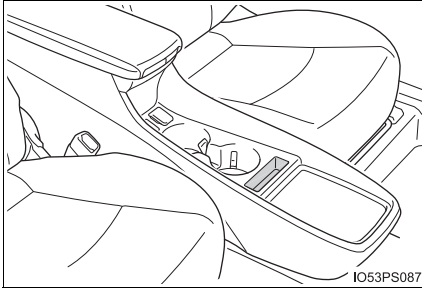


IO53PS092

Press in the lid.

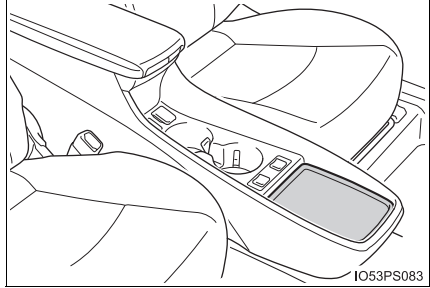
The overhead console is useful for temporarily storing small items.

▶ Type C (if equipped)



IO53PS087

▶ Type B (if equipped)



IO53PS083

Vehicles with the wireless charger: →P. 359

⚠ WARNING

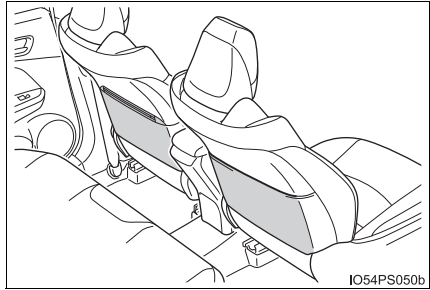
Type A:

Do not store items heavier than 200 g (0.44 lb.).

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

Seat back pockets

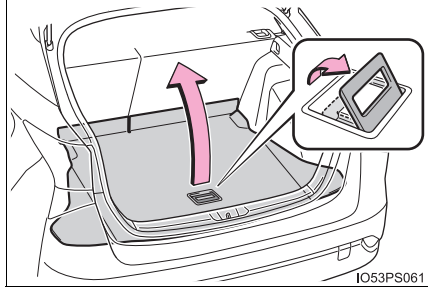
Owner's manual etc. can be stored in the left-side seatback pocket with the fastener.



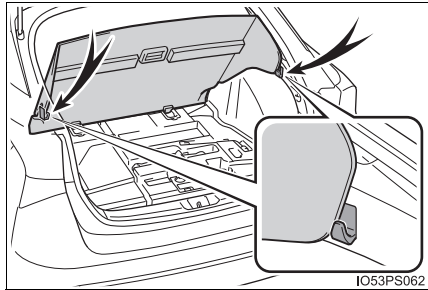
Luggage compartment features

Deck Board

- 1 Pull the lever upwards.



- 2 Secure it with the grocery bag hooks.



WARNING

- If the deck board is removed, return it to its original positions before driving. 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 auxiliary box.
- Do not place an object which is easy to roll or taller than the storable portion on the deck under box.

NOTICE

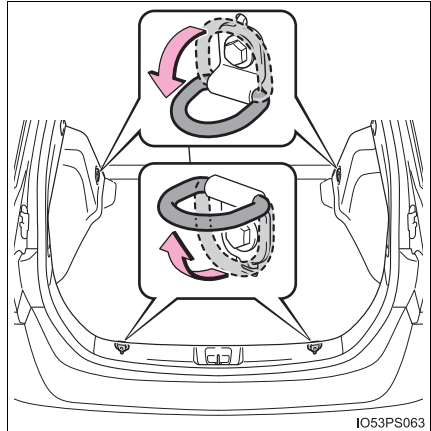
To prevent damage to the deck board, do not apply too much load on the deck board.

Cargo hooks

- ▶ Vehicles with emergency tire puncture repair kit

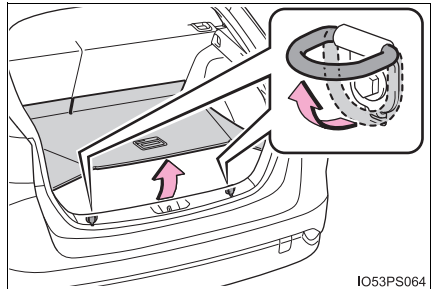
Raise the hook to use.

The cargo hooks are provided for securing loose items.

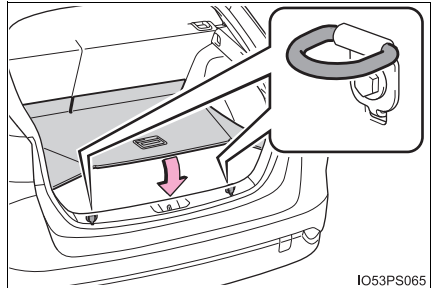


- ▶ Vehicles with compact spare tire or full-size spare tire

- 1 Open the deck board, then raise the hook to use.



- 2 Return the deck board to its original position and close it.



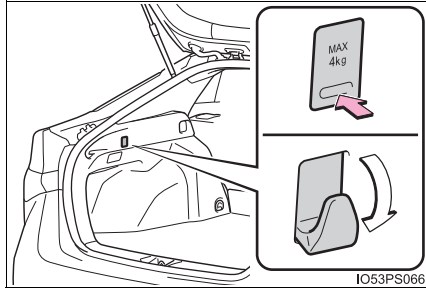
⚠ WARNING

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

Grocery bag hooks

When using the hooks, press the bottom side to lift it up.

There also is a hook on the other side.

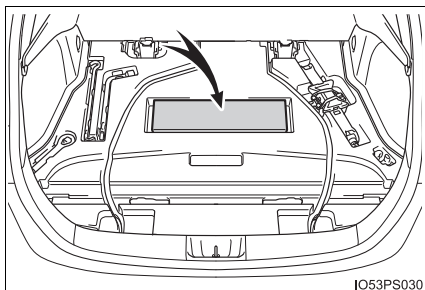
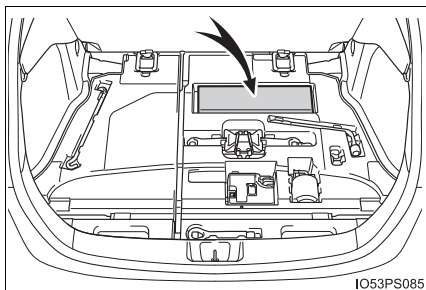
**⚠ NOTICE**

In order to prevent damage to the grocery bag hooks, do not place large objects or objects that weight more than 4 kg (8.8 lb.) onto the hooks.

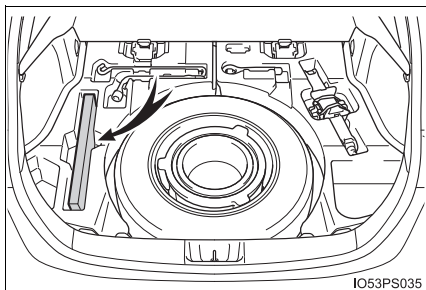
Warning reflector storage space

The warning reflector can be stowed on the center auxiliary box. (The warning reflector itself is not included as an original equipment)

- ▶ Vehicles with emergency tire puncture repair kit
- ▶ Vehicles with compact spare tire



- ▶ Vehicles with full-size spare tire



Depending on the size and shape of the warning reflector case, etc., you may not be able to store it.

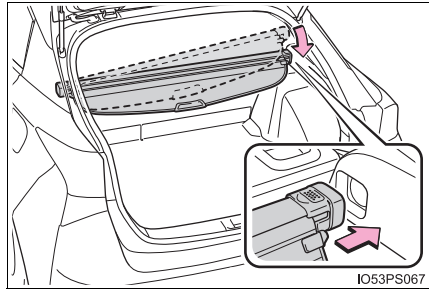
⚠ WARNING

When storing the warning reflector, etc., make sure that it is properly stored. If the warning reflector is not properly stored, it may fly out during emergency braking and lead to an accident.

Luggage cover

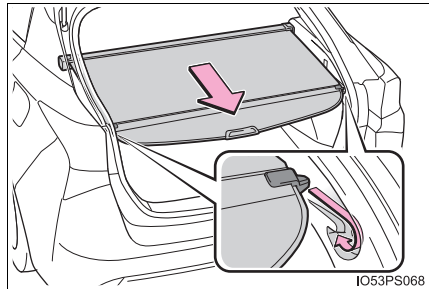
■ Installing the luggage cover

Install one side of the luggage cover to the holder. While pushing that side in, install the other side to the opposite holder.



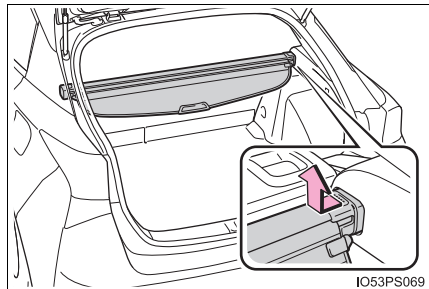
■ Using the luggage cover

Pull out the luggage cover and secure it to the hook brackets.



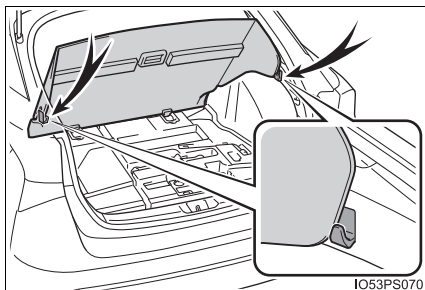
■ Removing the luggage cover

Push one end of the luggage cover inward and remove it from the holder.

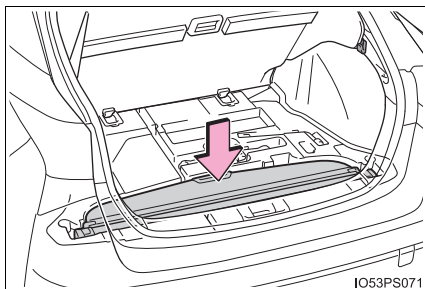


■ Stowing the luggage cover (except vehicles with full-size spare tire)

- 1 Open the deck board and secure it with the shopping hooks.



- 2 Store cover in the deck under box.



- 3 Return the deck board to its original position and close it.

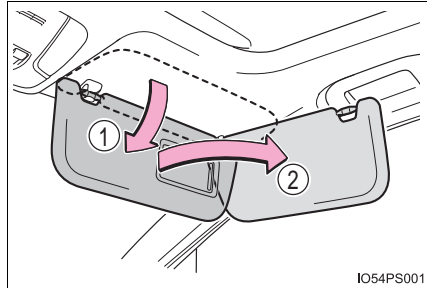
WARNING

- 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.
- 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.
- Make sure that the rear edge of the cover is laying flat. If the cover is installed with the rear edge raised, the view from the rear window may be obstructed, which could cause an accident.
- Make sure that seat belts are not caught up in the luggage cover. If a seat belt is caught up in the cover, it may not be able to restrain passengers properly.

Other interior features

Sun visors

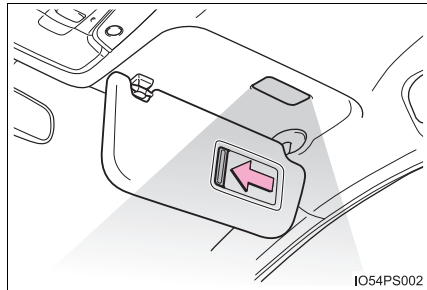
- ① To set the visor in the forward position, flip it down.
- ② To set the visor in the side position, flip down, unhook, and swing it to the side.



Vanity mirrors

Slide the cover to open.

The light turns on when the cover is opened.



If the vanity lights remain on when the power switch is turned off, the light will go off automatically after 20 minutes.

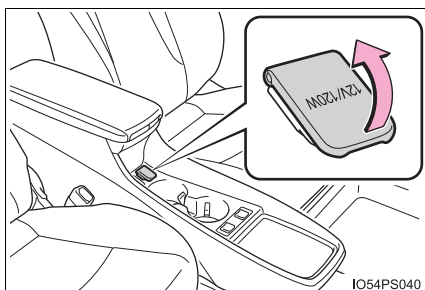
NOTICE

To prevent 12-volt battery discharge, do not leave the vanity lights on for extended periods while the hybrid system is off.

Power outlets

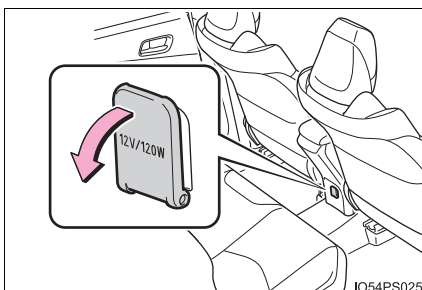
Please use as a power supply for electronic goods that use less than 12 V DC/10 A (power consumption of 120 W).

► Front



Open the lid.

► Rear



Open the lid.

■ The power outlet can be used when

The power switch is in ACCESSORY or ON mode.

■ When stopping the hybrid system

Disconnect electrical devices with charging functions, such as mobile battery packs.

If such devices are left connected, the hybrid system may not stop normally.



NOTICE

- To avoid damaging the power outlets, close the lid when the power outlet is not in use.
Foreign objects or liquids that enter the power outlets may cause a short circuit.
- To prevent 12-volt battery discharge, do not use the power outlet longer than necessary 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 smart phones 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.

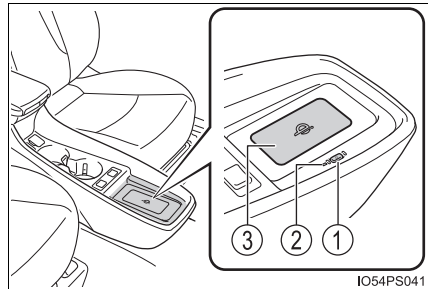
■ The “Qi” symbol

The “Qi” symbol is a trademark of the Wireless Power Consortium.



■ Name for all parts

- ① Power supply switch
- ② Operation indicator light
- ③ Charge area



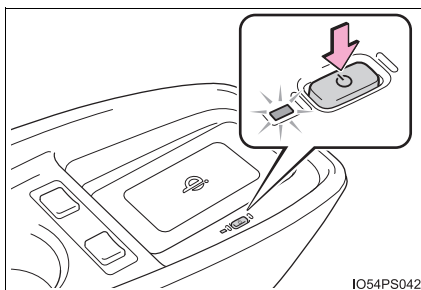
■ Using the wireless charger

- 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.

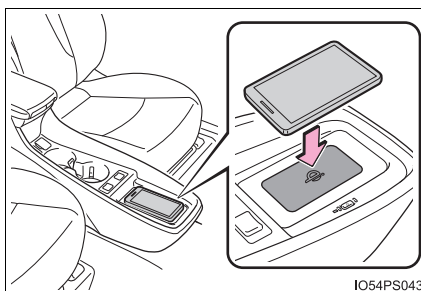
Even with the hybrid system off, the on/off state of the power supply switch is memorized.



- 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 table.

Operation indicator light	Suspected causes	Handling method
Flashing repeatedly once every second (Orange)	Vehicle to charger communication failure.	Contact your Toyota dealer.
Repeatedly flashes 3 times continuously (Orange)	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 its position.	Place the portable device near the center of the charge area.
Repeatedly flashes 4 times continuously (Orange)	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 ACCESSORY or ON mode.

■ 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 smart phones, 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.

■ 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.

 **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 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
- 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 indicator light is flashing continuously, it is considered that the wireless charger is malfunctioning. Contact your Toyota dealer.

■ To prevent failure or damage to data

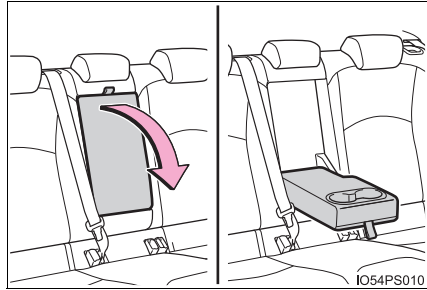
- Do not bring magnetic cards, such as credit cards, or magnetic recording media, etc., close to the charger while charging, otherwise, data may disappear under the influence of magnetism. Also, do not bring precision instruments such as wrist watches, etc., close to the charger, as such objects may 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

Pull the armrest down for use.

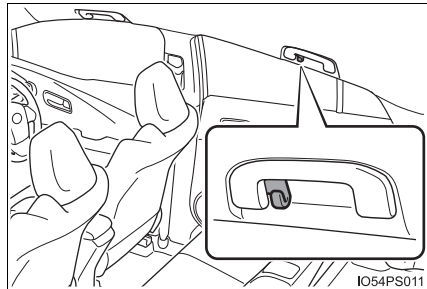


NOTICE

To prevent damage to the armrest, do not place too much strain on the armrest.

Coat hooks

The coat hooks are provided with the rear assist grips.

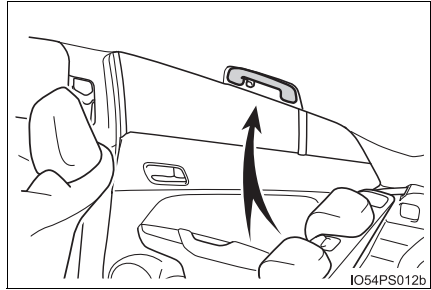


WARNING

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.

Assist grips

An assist grip installed on the ceiling can be used to support your body while sitting on the seat.



WARNING

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.

Maintenance and care**6**

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Cleaning and protecting the vehicle exterior

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

- Working from top to bottom, liberally apply water to the vehicle body, wheel wells and underside of the vehicle to remove any dirt and dust.
- Wash the vehicle body using a sponge or soft cloth, such as a chamois.
- For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- Wipe away any water.
- Wax the vehicle when the waterproof coating deteriorates.

If water does not bead on a clean surface, apply wax when the vehicle body is cool.

■ Automatic car washes

- Fold the mirrors before washing the vehicle. Start washing from the front of the vehicle. Make sure to extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface, parts (wheel, etc.) and harm your vehicle's paint.
- 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 entry & start 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 2 m (6 ft.) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P. 163)

■ Wheels and wheel ornaments

- Remove any dirt immediately by using a neutral detergent.
- Wash detergent off with water immediately after use.
- To protect the paint from damage, make sure to observe the following precautions.
 - Do not use acidic, alkaline or abrasive detergent
 - Do not use hard brushes
 - Do not use detergent on the wheels when they are hot, such as after driving or parking in hot weather

■ Brake pads and calipers

Rust may form if the vehicle is parked with wet brake pads or disc rotors, causing them to stick. Before parking the vehicle after it is washed, drive slowly and apply the brakes several times to dry the parts.

■ Bumpers

Do not scrub with abrasive cleaners.

■ Plated portions

If dirt cannot be removed, clean the parts as follows:

- Use a soft cloth dampened with an approximately 5% solution of neutral detergent and water to clean the dirt off.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture.
- To remove oily deposits, use alcohol wet wipes or a similar product.

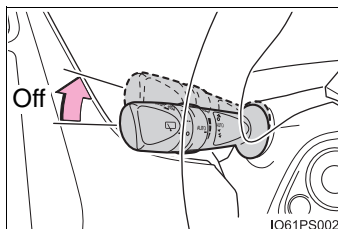
⚠ WARNING**■ When washing the vehicle**

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components etc. to catch fire.

■ When cleaning the windshield (vehicles with rain-sensing windshield wipers)

Set the wiper switch to the off position.

If the wiper switch is in the **AUTO** position, 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.



- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

■ Precautions regarding the exhaust pipe

Exhaust gasses cause the exhaust pipe to become quite hot.

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

■ Precaution regarding the rear bumper with Blind Spot Monitor (if equipped)

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.

■ **To prevent damage to the windshield wiper arms**

When lifting the wiper arms away from the windshield pull the driver side wiper arm upward first, and repeat for the passenger's side. When returning the wipers to their original position, do so from the passenger's side first.

■ **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.

■ **Handling the decorative resin parts (for vehicles equipped with 17-inch wheels)**

- Make sure to observe the following when handling wheels equipped with decorative resin parts. Failure to observe these precautions may result in damage to the decorative resin parts or wheels.
 - Do not remove the decorative resin parts
When decorative resin parts removal is necessary, contact your Toyota dealer.
 - Do not hold the tire by the decorative resin parts to lift up or carry the tire.



- If there is rattling in the decorative resin parts, or strange sounds from the wheel area when driving, have your wheels inspected at your Toyota dealer.

 NOTICE**■ When using an automatic car wash (vehicles with rain-sensing windshield wipers)**

Set the wiper switch to the off position.

If the wiper switch is in the **AUTO** position, the wipers may operate and the wiper blades may be damaged.

■ When using a high pressure car wash

- When washing the vehicle, do not spray the camera or its surrounding area directly with a high pressure washer. Shock applied from high pressure water may cause the device to not operate normally.
- Do not spray water directly on the radar which is equipped behind the emblem. Otherwise it may cause the device to be damaged.
- Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), connectors or the following parts. The parts may be damaged if they come into contact with high-pressure water.
 - Traction related parts
 - Steering parts
 - Suspension parts
 - Brake parts
- Keep the cleaning nozzle at least 30 cm (11.9 in.) away from the vehicle body. Otherwise resin section, such as moldings and bumpers, may be deformed and damaged. Also, do not continuously hold the nozzle in the same place.
- Do not spray the lower part of the windshield continuously.
If water enters the air conditioning system intake located near the lower part of the windshield, the air conditioning system may not operate correctly.
- Do not wash the underside of the vehicle using a high pressure car washer.

Cleaning and protecting the vehicle interior

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

Protecting the vehicle interior

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

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.

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.

■ Caring for leather areas

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

■ Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not use water. Wipe dirty surfaces and let them dry. Excellent results are obtained by keeping the carpet as dry as possible.

■ Seat belts

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

**WARNING****■ Water in the vehicle**

- Do not splash or spill liquid in the vehicle, such as on the floor, in the hybrid battery (traction battery) air vents, and in the luggage compartment. Doing so may cause the hybrid battery (traction battery), electrical components, etc. to malfunction or catch fire.

- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P. 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. 359) get wet. Failure to do so may cause the charger to become hot and cause burns or could cause electric shock resulting in death or serious injury.

■ Cleaning the interior (especially instrument panel)

Do not use polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and leading to an accident, resulting in death or serious injury.

 NOTICE**■ Cleaning detergents**

- Do not use the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:
 - Non-seat portions: Organic substances such as benzene or gasoline, alkaline or acidic solutions, dye, and bleach
 - Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol
- Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

■ Preventing damage to leather surfaces

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

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

■ Water on the floor

Do not wash the vehicle floor with water.

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

■ When cleaning the inside of the windshield (vehicles with Toyota Safety Sense)

Do not allow glass cleaner to contact the lens. Also, do not touch the lens. (→P. 243)

■ Cleaning the inside of the rear window

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

Maintenance requirements

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

Scheduled maintenance

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

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

Do-it-yourself maintenance

What about do-it-yourself maintenance?

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

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

■ Where to go for maintenance service?

It makes good sense to take your vehicle to your local Toyota dealer for maintenance service as well as other inspections and repairs.

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

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

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

■ Does your vehicle need repairs?

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

- Engine missing, stumbling or pinging
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning system after use is normal.)
- Change in exhaust sound (This may indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)
- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driven straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal, pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal (→P. 447)

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

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

Improper maintenance could result in serious damage to the vehicle and possible serious injury or death.


■ Handling of the 12-volt battery

12-volt battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 392)

Do-it-yourself service precautions

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

Items	Parts and tools
12-volt battery condition (→P. 392)	<ul style="list-style-type: none"> • Warm water • Baking soda • Grease • Conventional wrench (for terminal clamp bolts) • Distilled water
Engine/power control unit coolant level (→P. 389)	<ul style="list-style-type: none"> • “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology • “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P. 386)	<ul style="list-style-type: none"> • “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)
Fuses (→P. 422)	<ul style="list-style-type: none"> • Fuse with same amperage rating as original
Hybrid battery (traction battery) air intake vent (→P. 409)	<ul style="list-style-type: none"> • Vacuum cleaner, etc. • Phillips screwdriver
Light bulbs (→P. 426)	<ul style="list-style-type: none"> • Bulb with same number and wattage rating as original • Phillips screwdriver • Flathead screwdriver • Wrench
Radiator and condenser (→P. 391)	—
Tire inflation pressure (→P. 402)	<ul style="list-style-type: none"> • Tire pressure gauge • Compressed air source
Washer fluid (→P. 396)	<ul style="list-style-type: none"> • Water or washer fluid containing antifreeze (for winter use) • Funnel (used only for adding water or washer fluid)

 **WARNING**

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

■ When working on the engine compartment

- Make sure that the “Accessory”, “Ignition ON” or mileage display (→P. 94) on the main display and the “READY” indicator are both off.
- Keep hands, clothing and tools away from the moving fan.
- Be careful not to touch the engine, power control unit, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel. Fuel fumes are flammable.
- Be extremely cautious when working on the 12-volt battery. It contains poisonous and corrosive sulfuric acid.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately. If you still experience discomfort, consult a doctor.

■ When working near the electric cooling fans or radiator grille

Be sure the power switch is off.

With the power switch in ON mode, the electric cooling fans may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 391)

■ Safety glasses

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



NOTICE

■ If you remove the air cleaner filter

Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

■ If the brake fluid level is low or high

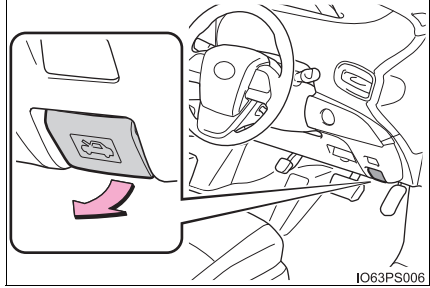
It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.

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

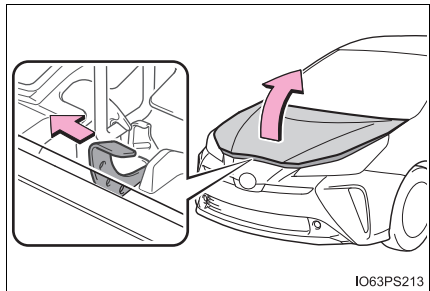
Hood

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

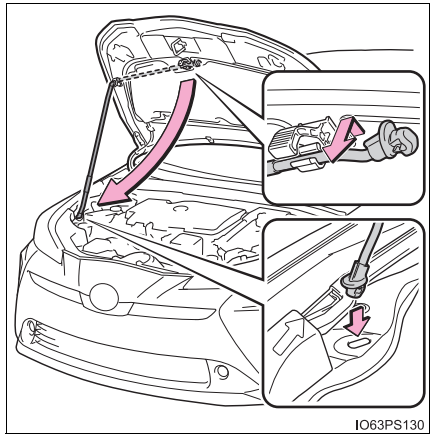
- 1 Pull the hood lock release lever.
The hood will pop up slightly.



- 2 Pull the auxiliary catch lever to the left and lift the hood.



- 3 Hold the hood open by inserting the supporting rod into the slot.



⚠ WARNING**■ Pre-driving check**

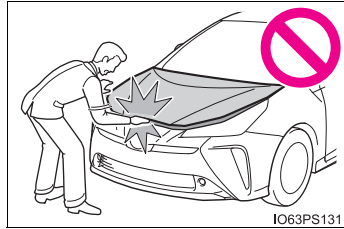
Check that the hood is fully closed and locked.
If the hood is not locked properly, it may open while the vehicle is in motion and cause an accident, which may result in death or serious injury.

■ 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**

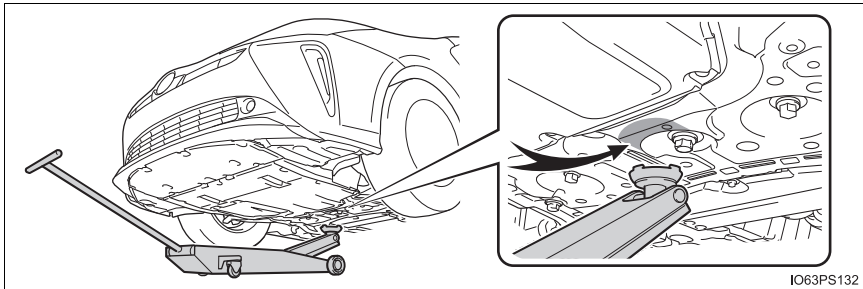
Be sure to return the supporting rod to its clip before closing the hood. Closing the hood without returning the support rod properly could cause the hood to bend.

Positioning a floor jack

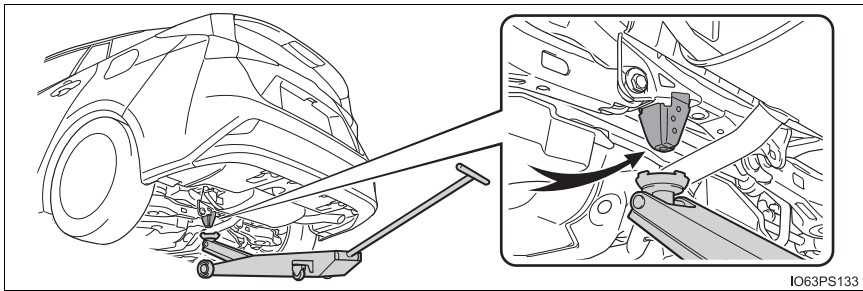
When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely.

When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

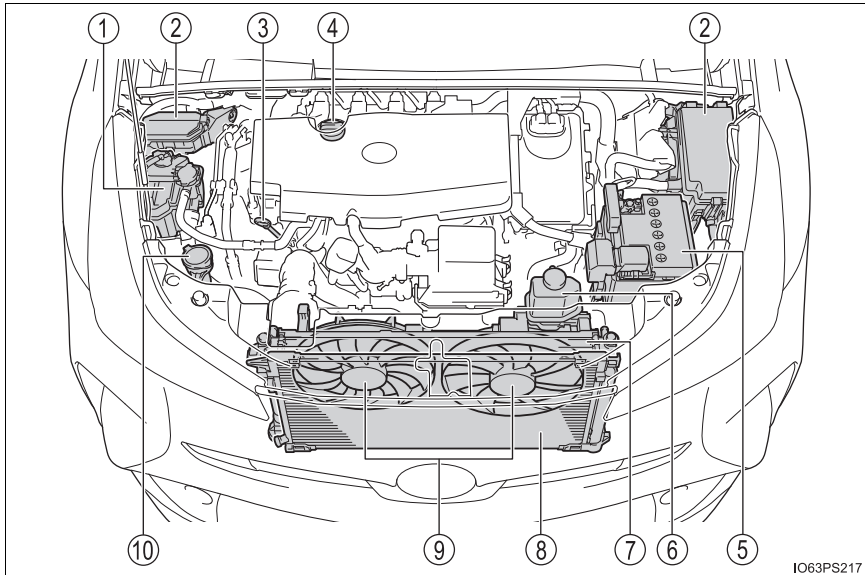
◆ Front



◆ Rear



Engine compartment



IO63PS217

- | | |
|--|---|
| ① Engine coolant reservoir
(→P. 389) | ⑥ Power control unit coolant
reservoir (→P. 389) |
| ② Fuse boxes (→P. 422) | ⑦ Radiator (→P. 391) |
| ③ Engine oil level dipstick
(→P. 386) | ⑧ Condenser (→P. 391) |
| ④ Engine oil filler cap (→P. 387) | ⑨ Electric cooling fans |
| ⑤ 12-volt battery (→P. 392) | ⑩ Washer fluid tank (→P. 396) |

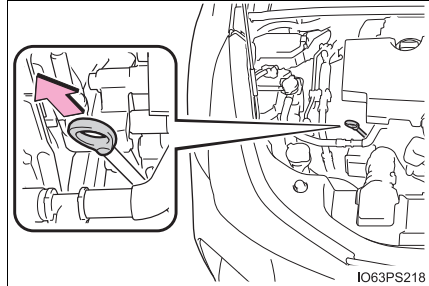
Engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

■ Checking the engine oil

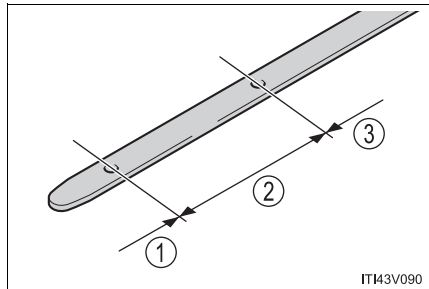
- 1 Park the vehicle on level ground. After warming up the engine and turning off the hybrid system, wait more than 5 minutes for the oil to drain back into the bottom of the engine.

- 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.

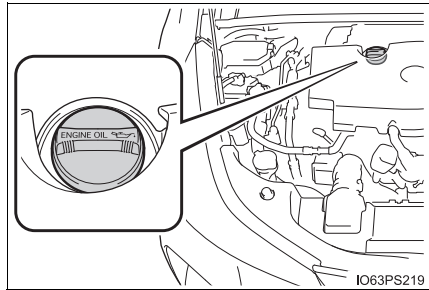
- ① Low
- ② Normal
- ③ Excessive



- 6 Wipe the dipstick and reinsert it fully.

■ Adding engine oil

If the oil level is below or near the low level mark, add engine oil of the same type as that already in the engine.



Make sure to check the oil type and prepare the items needed before adding oil.


Engine oil selection	→P. 514
Oil quantity (Low → Full)	1.5 L (1.6 qt., 1.3 Imp. qt.)
Items	Clean funnel

- 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, 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.

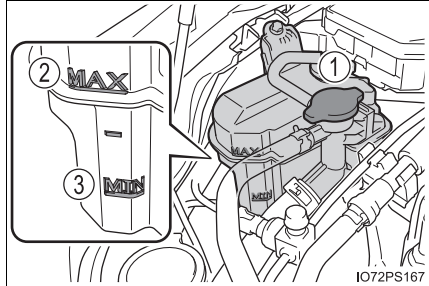
Coolant

The coolant level is satisfactory if it is between the “MAX” and “MIN” lines on the reservoir when the hybrid system is cold.

■ Engine coolant reservoir

- ① Reservoir cap
- ② “MAX” line
- ③ “MIN” line

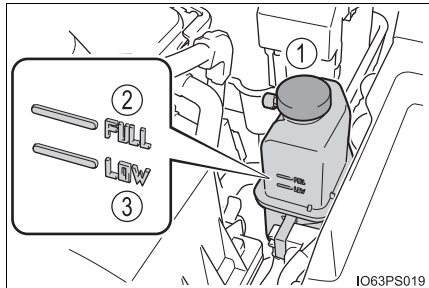
If the level is on or below the “MIN” line, add coolant up to the “MAX” line. (→P. 501)



■ Power control unit coolant reservoir

- ① Reservoir cap
- ② “FULL” line
- ③ “LOW” line

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P. 503)



■ 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.

“Toyota Super Long Life Coolant” is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -35°C [-31°F])

For more details about coolant, contact your Toyota dealer.

■ If the coolant level drops within a short time of replenishing

Visually check the radiator, 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.

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 fans are operating

Do not touch the engine compartment.

With the power switch in ON mode, the electric cooling fans 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 fans or radiator grille.

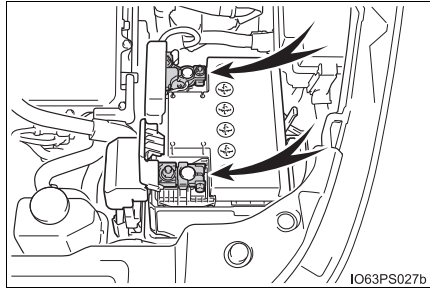
12-volt battery

Check the 12-volt battery as follows.

■ 12-volt battery exterior

Make sure that the 12-volt battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.

Terminals

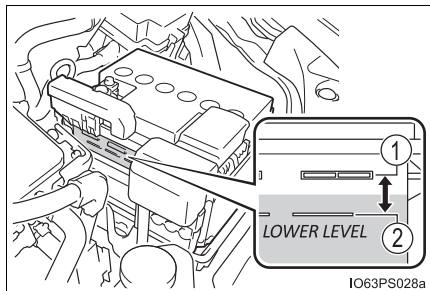


■ Checking battery fluid

Check that the level is between the upper and lower lines.

- ① Upper line
- ② Lower line

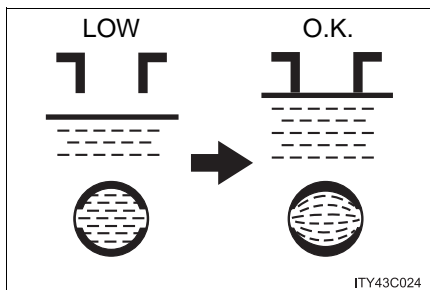
If the fluid level is at or below the lower line, add distilled water.



■ Adding distilled water

- 1 Remove the vent plug.
- 2 Add distilled water.

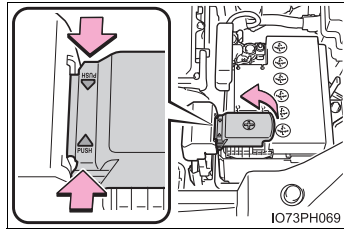
If the upper line cannot be seen, check the fluid level by looking directly at the cell.



- 3 Put the vent plug back on and close it securely.

■ When opening the cover of the positive (+) battery terminal

While pushing the portion shown in the illustration from both sides, lift the end of the cover up.



■ 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

- Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the 12-volt battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the hybrid system with the power switch in ACCESSORY mode. 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 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.
- 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 disconnecting the 12-volt battery

Do not disconnect the negative (-) terminal on the body side. The disconnected negative (-) terminal may touch the positive (+) terminal, which may cause a short and result in death or serious injury.



NOTICE

■ When recharging the 12-volt battery

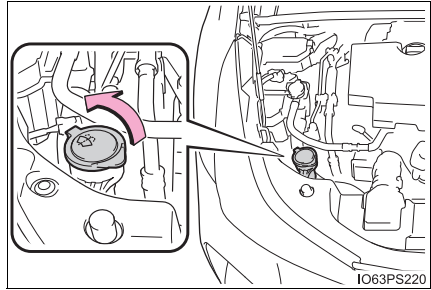
Never recharge the 12-volt battery while the hybrid system is operating. Also, be sure all accessories are turned off.

■ When adding distilled water

Avoid overfilling. Water spilled during 12-volt battery recharging may cause corrosion.

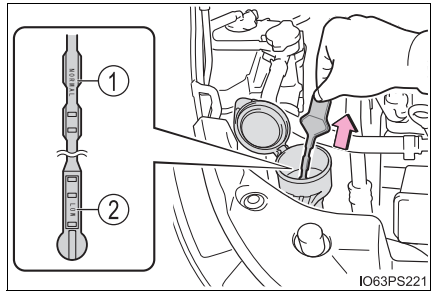
Washer fluid

- 1 Open the lid.

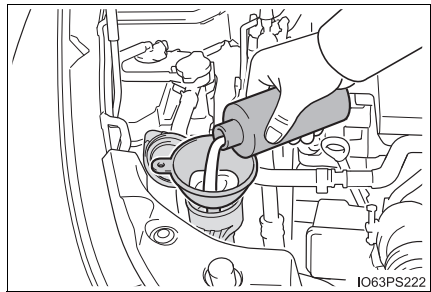


- 2 Check the washer fluid level on the level gauge.

- ① "NORMAL"
- ② "LOW"

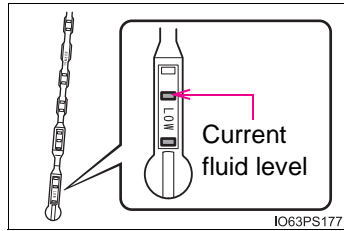


- 3 If the washer fluid level is at "LOW", add washer fluid.



■ Using the gauge

The washer fluid level can be checked by observing the position of the level on the liquid-covered holes in the gauge. If the level falls below the second hole from the bottom (the “LOW” position), refill the washer fluid.



⚠ WARNING

■ When adding washer fluid

Do not add washer fluid when the hybrid system is hot or operating as washer fluid contains alcohol and may catch fire if spilled on the engine etc.

⚠ NOTICE

■ Do not use any fluid other than washer fluid

Do not use soapy water or engine antifreeze instead of washer fluid. Doing so may cause streaking on the vehicle’s painted surfaces, as well as damaging the pump leading to problems of the washer fluid not spraying.

■ Diluting washer fluid

Dilute washer fluid with water as necessary. Refer to the freezing temperatures listed on the label of the washer fluid bottle.

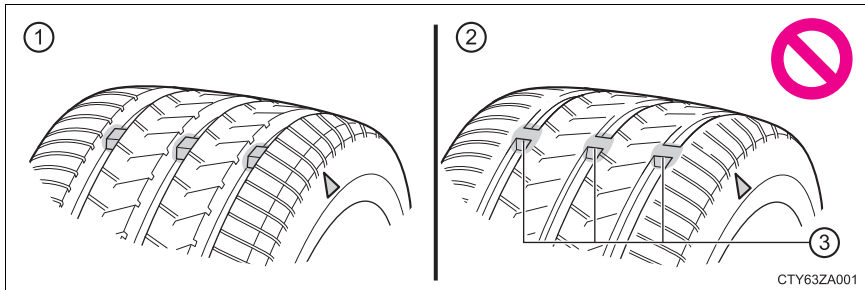
Tires

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.



- ① New tread
- ② Worn tread
- ③ Treadwear indicator

The location of treadwear indicators is shown by the “TWI” or “Δ” marks, etc., molded on the sidewall of each tire.

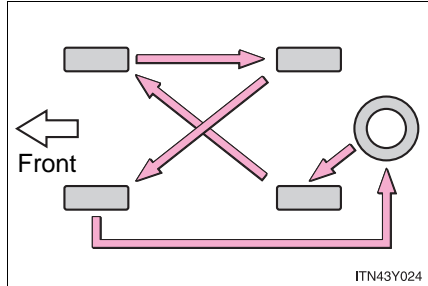
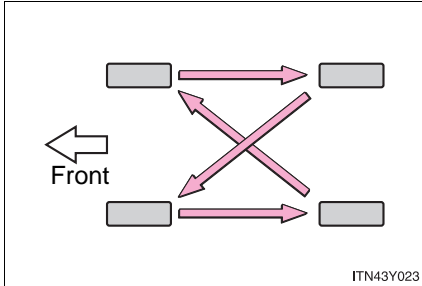
Replace the tires if the treadwear indicators are showing on a tire.

Tire rotation

Rotate the tires in the order shown.

► Vehicles without full-size spare tire

► Vehicles with full-size spare tire



To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 10000 km (6000 miles).

■ 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.

■ If the tread on snow tires wears down below 4 mm (0.16 in.)

The effectiveness of the tires as snow tires is lost.

■ Low profile tires (vehicles with 215/45R17 tires)

Generally, low profile tires will wear more rapidly and tire grip performance will be reduced on snowy and/or icy roads when compared to standard tires.


Be sure to use snow tires or tire chains on snowy and/or icy roads and drive carefully at a speed appropriate for road and weather conditions.

 **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.

 NOTICE**■ Driving on rough roads**

Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

■ Low profile tires (vehicles with 215/45R17 tires)

Low profile tires may cause greater damage than usual to the wheel when receiving impact from the road surface. Therefore pay attention to the following:

- Be sure to use proper tire inflation pressure. If tires are under-inflated, they may be damaged more severely.
- Avoid pot holes, uneven pavement, curbs and other road hazards. Failure to do so can lead to severe tire and wheel damage.

■ If tire inflation pressure of each tire becomes low while driving

Do not continue driving, or your tires and/or wheels may be ruined.

Tire inflation pressure

Make sure to maintain proper tire inflation pressure. Tire inflation pressure should be checked at least once per month. However, Toyota recommends that tire inflation pressure be checked once every two weeks. (→P. 519)

■ Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel economy
- Reduced driving comfort and poor handling
- Reduced tire life due to wear
- Reduced safety
- Damage to the drive train

If a tire needs frequent inflating, have it checked by your Toyota dealer.

■ Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.
If your vehicle has been parked for at least 3 hours or has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.
It is difficult to judge if a tire is properly inflated based only on its appearance.
- It is normal for the tire inflation pressure to be higher after driving as heat is generated in the tire. Do not reduce tire inflation pressure after driving.
- Passengers and luggage weight should be placed so that the vehicle is balanced.

 **WARNING****■ Proper inflation is critical to save tire performance**

Keep your tires properly inflated.

If the tires are not properly inflated, the following conditions may occur which could lead to an accident resulting in death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges 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

Aluminum wheel precautions

- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

 **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. 485)

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.

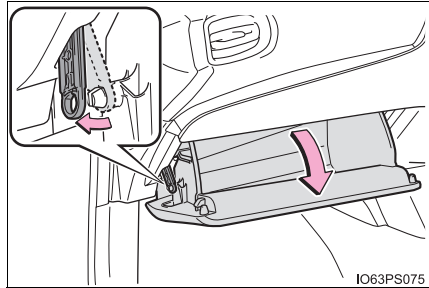
Doing so could cause the tire to leak air during driving, possibly causing an accident.

Air conditioning filter

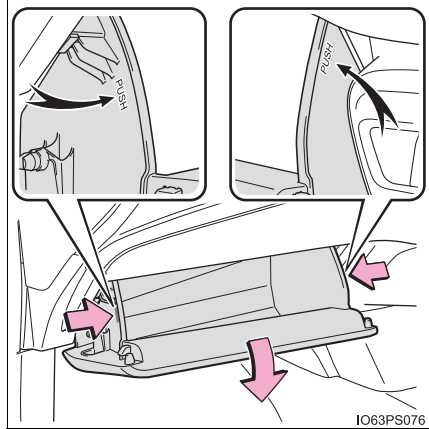
The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

Replacing the air conditioning filter

- 1 Turn the power switch off.
- 2 Open the glove box and slide off the damper.

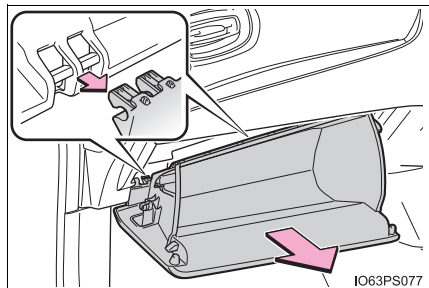


- 3 Push in each side of the glove box to disconnect the claws, and then slowly and fully open the glove box while supporting it.

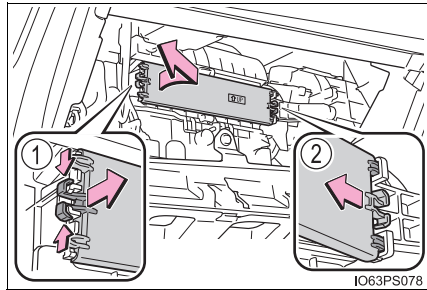


- 4 With the glove box fully open, slightly lift up the glove box and pull toward the seat to detach the bottom of the glove box.

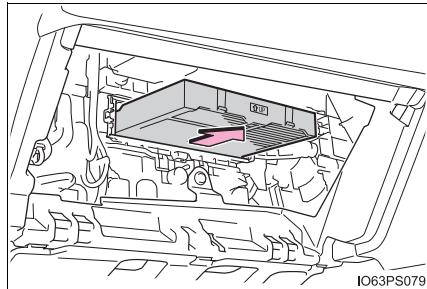
Do not use excessive force if the glove box does not detach when lightly pulled. Instead, pull toward the seat while slightly adjusting the height of the glove box.



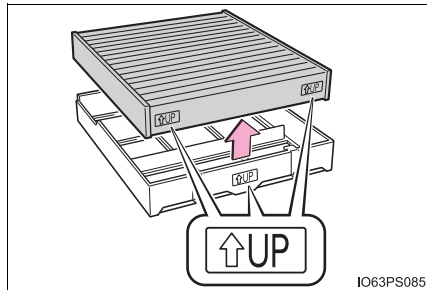
- 5 Remove the filter cover.
- ① Unlock the filter cover.
 - ② Move the filter cover in the direction of the arrow, and then pull it out of the claws.



- 6 Remove the filter case.



- 7 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.




- 8 When installing, reverse the steps listed.

■ Checking interval

Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required. (For scheduled maintenance information, please refer to the "Warranty and Service Booklet".)

■ If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.

 NOTICE**■ When using the air conditioning system**

Make sure that a filter is always installed.

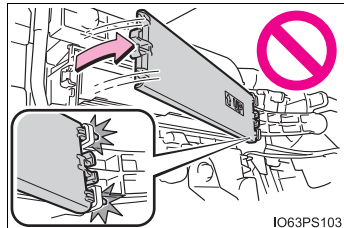
Using the air conditioning system without a filter may cause damage to the system.

■ When removing the glove box

Always follow the specified procedure to remove the glove box (→P. 406). 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.



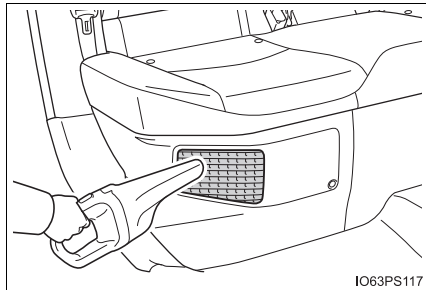
Cleaning the hybrid battery (traction battery) air intake vent and filter

To prevent the fuel economy from being affected, visually inspect the hybrid battery (traction battery) air intake vent periodically for dust and clogs. If it is dusty or clogged or if “Maintenance Required for Traction Battery 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. 413)

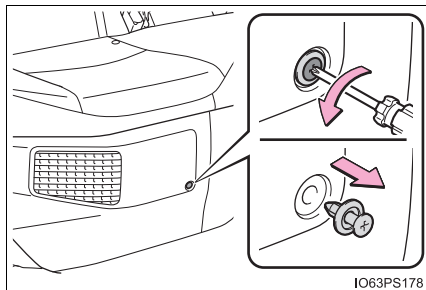


IO63PS117

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.

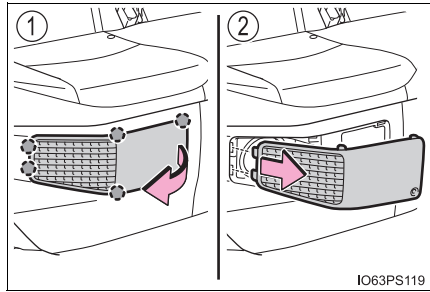
- 1 Turn the power switch off.
- 2 Using a Phillips screwdriver, remove the clip.



IO63PS178

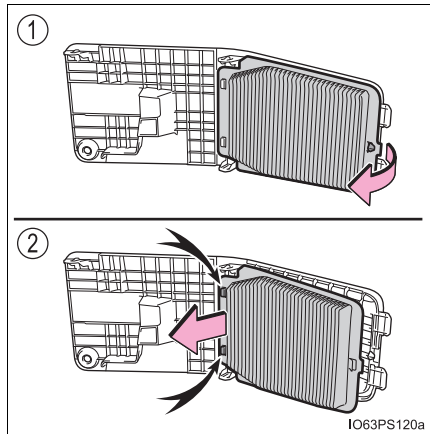
- 3 Remove the air intake vent cover.

- ① Pull the cover as shown in the illustration to disengage the 5 claws, starting from the claw in the upper right corner.
- ② Pull the cover toward the front of the vehicle to remove it.



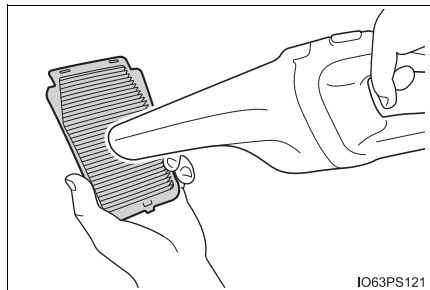
- 4 Remove the air intake vent filter.

- ① Disengage the 1 claw as shown in the illustration.
- ② Disengage the 2 claws to remove the filter from the cover.



- 5 Remove the dust and clogs from the filter using a vacuum cleaner, etc.

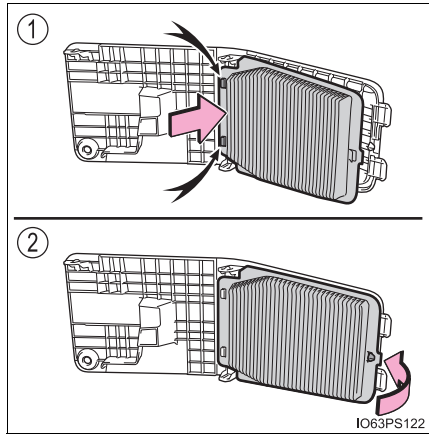
Make sure to also remove the dust and clogs from the inside of the air intake vent cover.



6 Reinstall the filter to the cover.

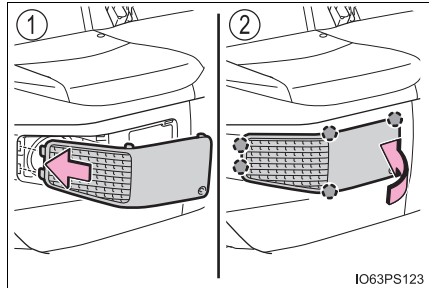
- ① Engage the filter to the 2 claws as shown in the illustration.
- ② Engage the 1 claw to install the filter.

Make sure that the filter is not crooked or deformed when installing it.

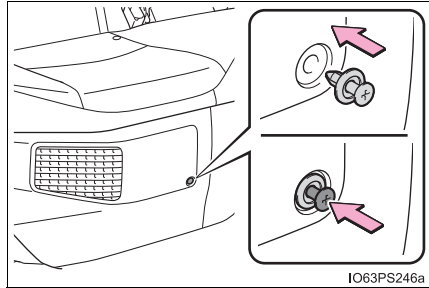


7 Install the air intake vent cover.

- ① Insert the tab of the cover as shown in the illustration.
- ② Push the cover to engage the 5 claws.



8 Install the clip.



■ **Scheduled maintenance of the air intake vent is necessary when**

In some situations such as when the vehicle is used frequently or in heavy traffic or dusty areas, the air intake vent may need to be cleaned more regularly. For details, refer to the “Warranty and Service Booklet”.

■ **Cleaning the air intake vent**

- Dust in the air intake vent may interfere with the cooling of the hybrid battery (traction battery). If charging/discharging of the hybrid battery (traction battery) becomes limited, the distance that the vehicle can be driven using the electric motor (traction motor) may be reduced and the fuel economy may be reduced. 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 Traction Battery 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. 409)
- 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 hybrid battery (traction battery) or other components, a malfunction or fire may occur.
- Before cleaning the air intake vent, make sure to turn the power switch off to stop the hybrid system.

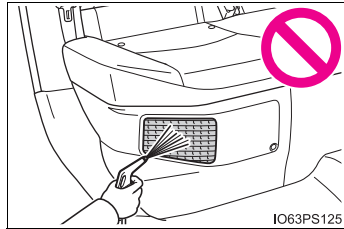
■ **When removing the air intake vent cover**

Do not touch the service plug located near the air intake vent. (→P. 72)

 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 hybrid battery (traction battery) and cause a malfunction.



■ **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 Traction Battery 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 charging/discharging of the hybrid battery [traction battery] may become limited) displayed, the hybrid battery (traction battery) may malfunction. If the warning message is shown, clean the air intake vent immediately.

Wiper insert replacement

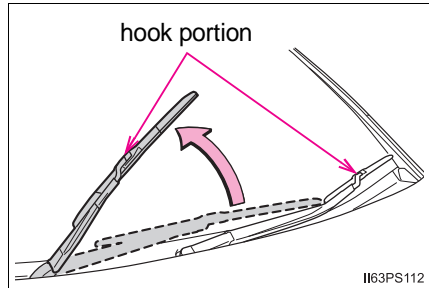
When replacing the wiper insert, perform the following procedure.

Windshield wipers

■ Windshield wiper blade removal and installation

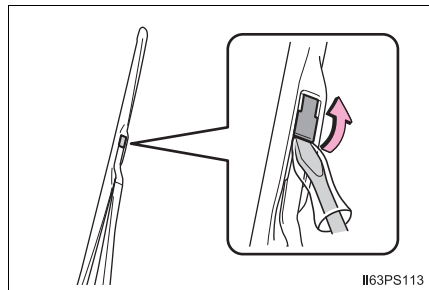
- 1 Lift the wiper arm.

Hold the hook portion and raise it from the windshield glass.



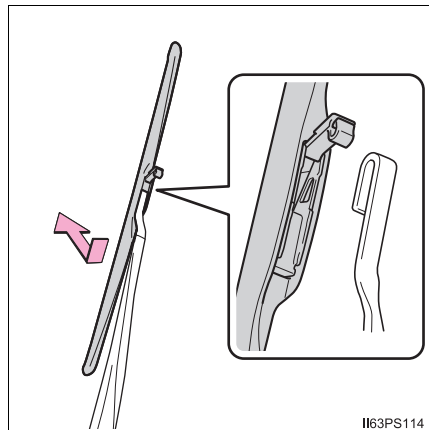
- 2 Lift the stopper using a flat-head screwdriver as shown in the illustration.

To prevent damage to the wiper arm, cover the tip of the screwdriver with a rag.



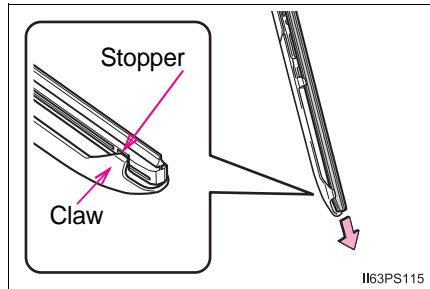
- 3 Slide the wiper blade to remove it from the wiper arm.

When installing, reverse the steps listed.



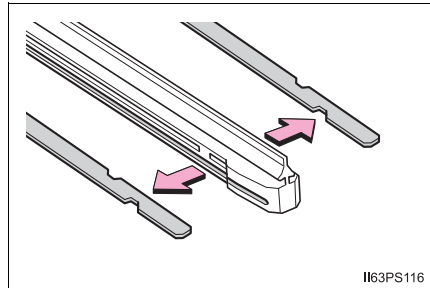
■ Wiper insert replacement

- 1 Pull the wiper insert to remove the claw of the wiper blade from the stopper, and pull out the wiper insert.



- 2 Remove the 2 metal plates from the wiper insert pulled out, and install the plates to a new wiper insert.

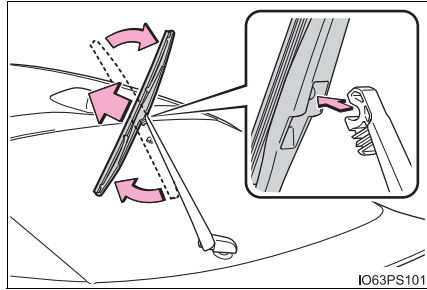
Make sure that the cutout location and warp direction of the metal blades are same as the original.



- 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.

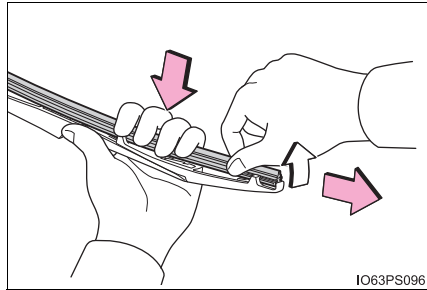
Rear window wiper

- 1 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.

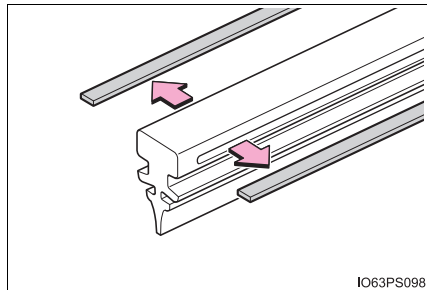


- 2 Pull the wiper insert out past the stopper on the wiper blade, and then continue to pull until it is completely removed.

Lightly grasp between the claws of the wiper blade to allow the wiper insert to lift up, making it easier to remove.

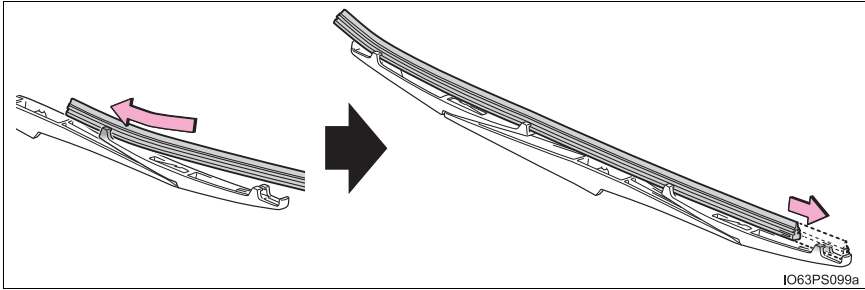


- 3 Remove the 2 metal plates from the wiper insert pulled out, and install the plates to a new wiper insert.



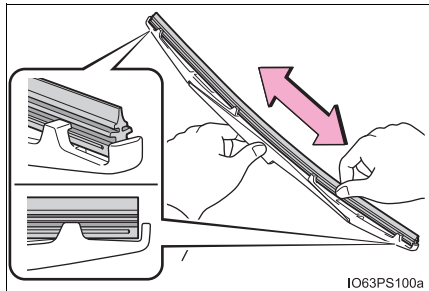
- 4 Insert the wiper insert starting from the claw at the center of the wiper blade. Pass the wiper insert through the 3 claws so that it sticks out from the stopper, and then pass the wiper insert through the final remaining claw.

Applying a small amount of washer fluid to the wiper insert can make it easier to insert the claws into the grooves.



- 5 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 insert easier to slide.

- 6 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****■ 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 window and wiper arm to prevent damage to the window.
- Be sure not to pull excessively on the wiper insert or deform its metal plates.

Electronic key battery

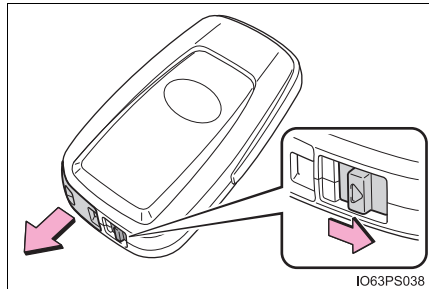
Replace the battery with a new one if it is depleted.

You will need the following items:

- Flathead screwdriver
- Lithium battery CR2032

Replacing the battery

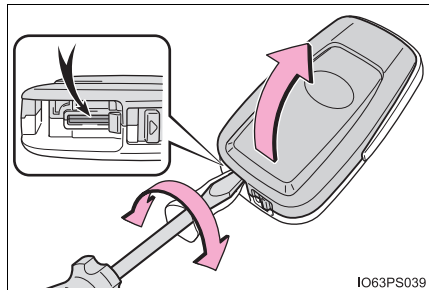
- 1 Release the lock and take out the mechanical key.



- 2 Remove the 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 screwdriver with a rag.

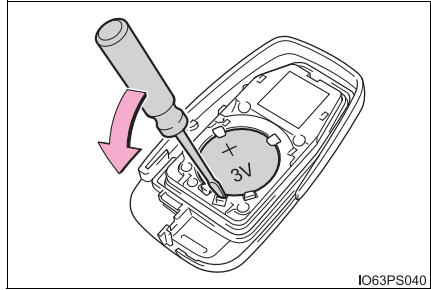


3 Remove the depleted battery.

When removing the cover, if the battery cannot be seen due to the electronic key module attaching to the upper cover, remove the electronic key module from the cover so that the battery is visible as shown in the illustration.

When removing the battery, use a screwdriver of an appropriate size.

Insert a new battery with the “+” terminal facing up.

**4** When installing, reverse the steps listed.**■ Use a CR2032 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.

■ If the electronic key battery is depleted

The following symptoms may occur:

- The smart entry & start system and wireless remote control will not function properly.
- The operational range will be reduced.

 **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****■ 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.

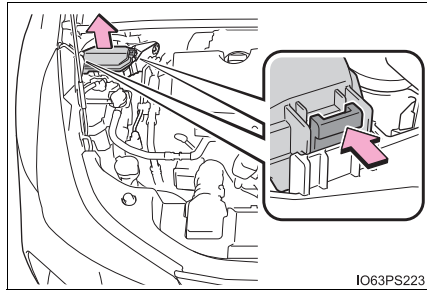
Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

- 1 Turn the power switch off.
- 2 Open the fuse box cover.
 - ▶ Engine compartment type A fuse box

While pushing the 2 claws, lift up the cover.

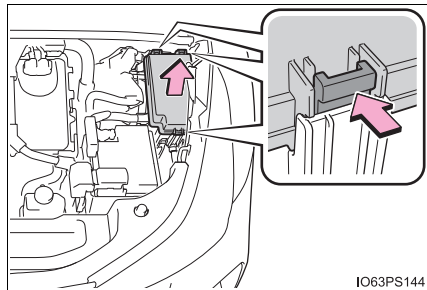
When closing the cover, make sure to attach the 2 claws.



- ▶ Engine compartment type B fuse box

While pushing the 3 claws, lift up the cover.

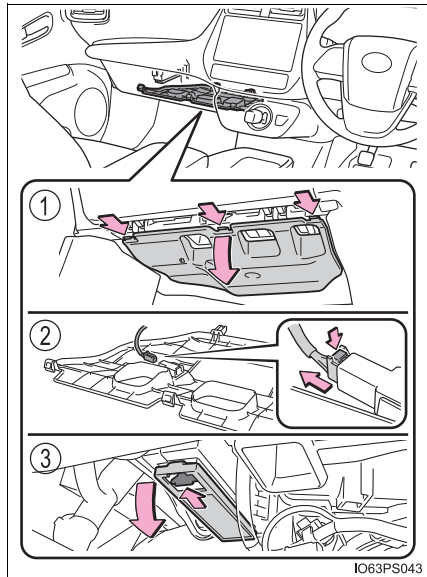
When closing the cover, make sure to attach the 3 claws.



► Left side instrument panel

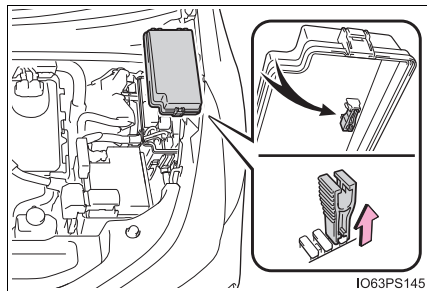
- ① Push the tab in and remove the cover.
- ② Unplug the connector while pressing the lock release.
- ③ Remove the lid.

Make sure to press the claw during removal or installation.



- ③ Remove the fuse.

Only type A fuse can be removed using the pullout tool.

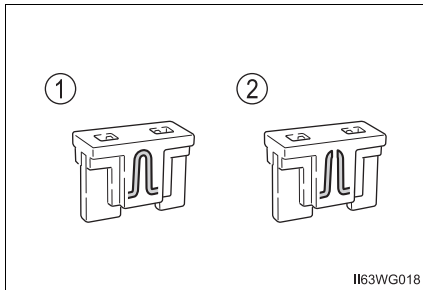


4 Check if the fuse is blown.

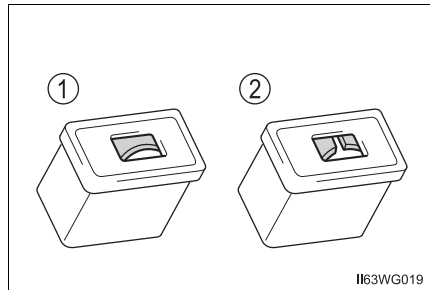
- ① Normal fuse
- ② Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

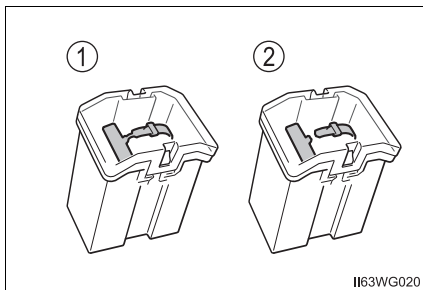
▶ Type A



▶ Type B



▶ Type C



■ After a fuse is replaced

- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P. 426)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

■ If there is an overload in a circuit

The fuses are designed to blow, protecting the wiring harness from damage.

■ When replacing light bulbs

Toyota recommends that you use genuine Toyota products designed for this vehicle. Because certain bulbs are connected to circuits designed to prevent overload, non-genuine parts or parts not designed for this vehicle may be unusable.



WARNING

■ To prevent system breakdowns and vehicle fire

Observe the following precautions.

Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuses or fuse boxes.



NOTICE

■ Before replacing fuses

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

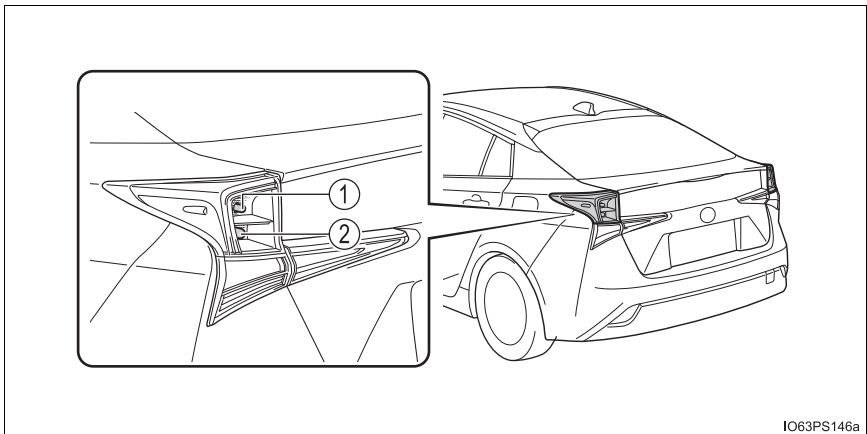
Light bulbs

You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. As there is a danger that components may be damaged, we recommend that replacement is carried out by your Toyota dealer.

Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P. 520)

Bulb locations

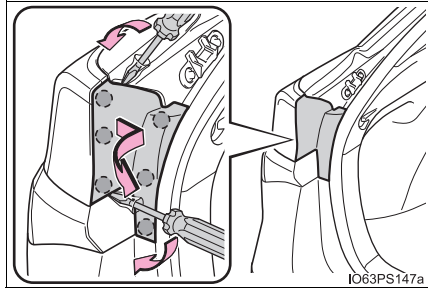


IO63PS146a

- ① Back-up light
- ② Rear turn signal light

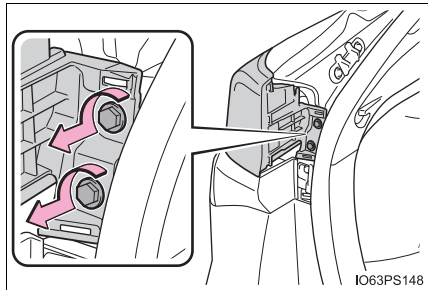
■ Rear turn signal lights and back-up lights

- 1 Open the back door. Insert a screwdriver into the cover on the side of the light and detach the claws indicated by the dotted lines near the exterior of the vehicle. Then, pry the cover and pull it diagonally backward to the luggage compartment to detach the claws indicated by the dotted lines near the vehicle interior.

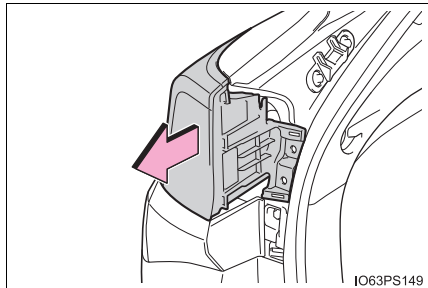


To prevent damage to the cover, protect the tip of the screwdriver with a rag.

- 2 Remove the 2 screws.

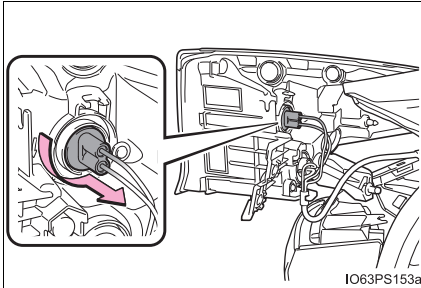


- 3 Pull the light unit toward the rear of the vehicle to remove it.

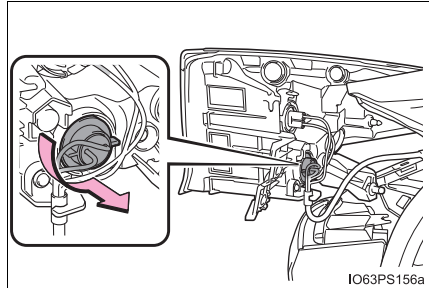


4 Turn the bulb base counterclockwise.

▶ Back-up light

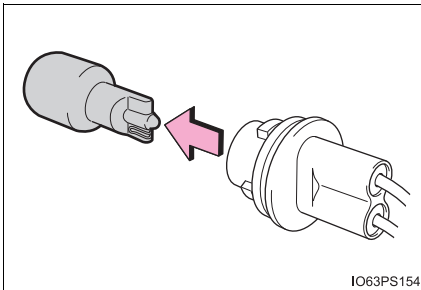


▶ Rear turn signal light

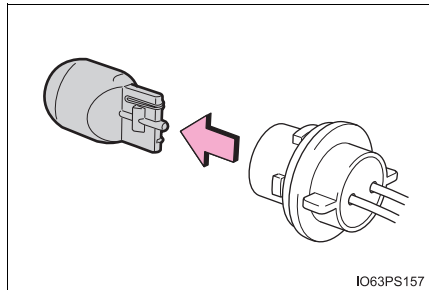


5 Remove the light bulb.

▶ Back-up light

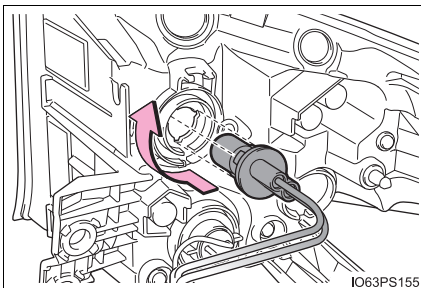


▶ Rear turn signal light

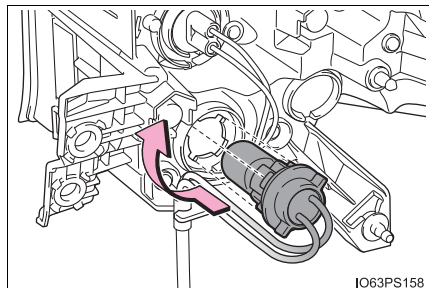


6 Install a new light bulb then install the bulb base to the light unit by inserting it and turning the bulb base clockwise.

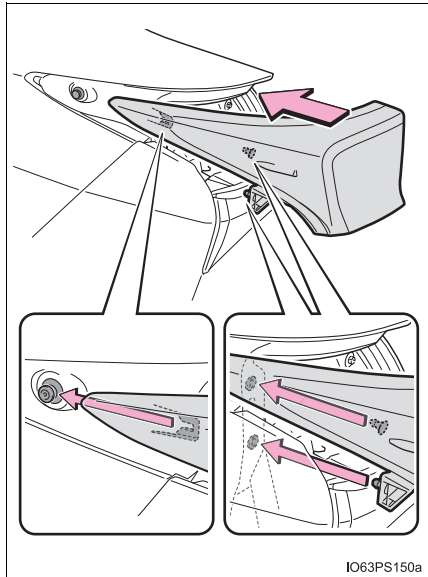
▶ Back-up light



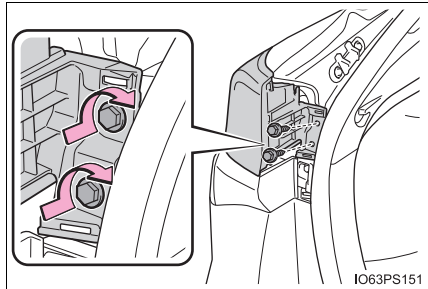
▶ Rear turn signal light



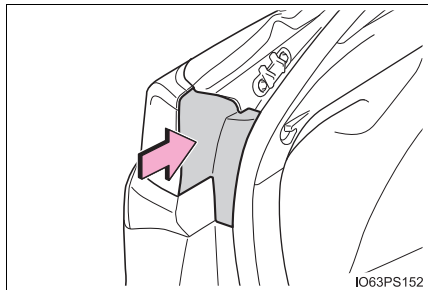
- 7 Align the grooves on the light unit with the claws, and insert the light unit straight so that the 2 pins on the light unit fit into the holes. Confirm that the light unit is completely secured.



- 8 Install the 2 screws.



- 9 Install the cover.



■ Replacing the following bulbs

If any of the lights listed below has burnt out, have it replaced by your Toyota dealer.

- Headlights
- Daytime running lights
- Front position lights
- Fog lights
- Front turn signal lights
- Side turn signal lights
- Tail lights
- Stop lights
- High mounted stoplight
- License plate lights

■ LED lights

The lights other than the rear turn signal lights and back-up 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.

■ Condensation build-up on the inside of the lens

Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction. Contact your 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 light bulbs

→P. 425

 **WARNING****■ Replacing light bulbs**

- Be sure to stop the hybrid system and turn off the lights. Do not attempt to replace the bulb immediately after turning off the lights.
The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. When it is unavoidable to hold the glass portion, use and hold with a clean dry cloth to avoid getting moisture and oils on the bulb.
Also, if the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failure to do so may result in heat damage, fire, or water entering the headlight unit. This may damage the headlights 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 bulbs are fully seated and locked.
- Check the wattage of the bulb before installing to prevent heat damage.

When trouble arises

7

7-1. Essential information

Emergency flashers.....	434
If your vehicle has to be stopped in an emergency.....	435
If the vehicle is submerged or water on the road is rising.....	436

7-2. Steps to take in an emergency

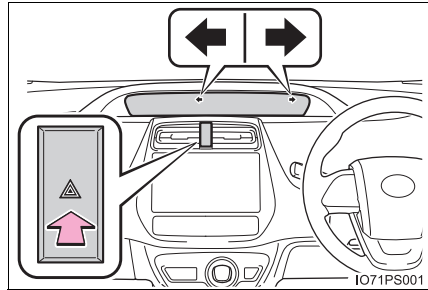
If your vehicle needs to be towed.....	438
If you think something is wrong.....	444
If a warning light turns on or a warning buzzer sounds.....	445
If a warning message is displayed.....	450
If you have a flat tire (vehicles without spare tire).....	458
If you have a flat tire (vehicles with spare tire).....	476
If the hybrid system will not start.....	490
If the electronic key does not operate properly.....	492
If the 12-volt battery is discharged.....	495
If your vehicle overheats.....	501
If the vehicle becomes stuck.....	506

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.

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.

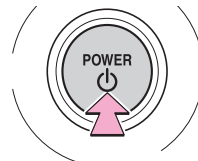
The emergency flashers will turn off automatically after operating for approximately 20 minutes. To manually turn the emergency flashers off, press the switch twice.

(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:

- 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 position to N.
 - ▶ If the shift position 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 position cannot be shifted to N
- 3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.
- 4 To stop the hybrid system, press and hold the power switch for 2 consecutive seconds or more, or press it briefly 3 times or more in succession.



Press and hold for 2 seconds or more, or press briefly 3 times or more

CTY52AD214

- 5 Stop the vehicle in a safe place by the road.

WARNING

■ If the hybrid system has to be turned off while driving

Power assist for the steering wheel will be lost, making the steering wheel heavier to turn. Decelerate as much as possible before turning off the hybrid system.

If the vehicle is submerged or water on the road is rising

This vehicle is not designed to be able to drive on roads that are deeply flooded with water. Do not drive on roads where the roads may be submerged or the water may be rising. It is dangerous to remain in the vehicle, if it anticipated that the vehicle will be flooded or set a drift. Remain calm and follow the following.

- 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 ensure an escape route.
- If the window can be opened, exit the vehicle through the window.
- If the door and window cannot be opened due to the rising water, remain calm, wait until the water level inside the vehicle rises to the point that the water pressure inside of the vehicle equals the water pressure outside of the vehicle and then open the door after waiting for the rising water to enter the vehicle, and exit the vehicle. When the outside water level exceeds half the height of the door, the door cannot be opened from the inside due to water pressure.

■ Water level exceeds the floor

When the water level exceeds the floor and time has passed, the electrical equipment will get damaged, the power windows will not operate, the engine and motor stop, and the vehicle may not be able to get moving.


■ Using an emergency escape hammer*

Laminated glass is used in the windshield on this vehicle.

Laminated glass cannot be shattered with an emergency hammer*.

Tempered glass is used in the windows on this vehicle.

*: Contact your Toyota dealer or aftermarket accessory manufacturer for further information about an emergency hammer.

 **WARNING****■ Caution while driving**

Do not drive on roads where the roads may be submerged or the water may be rising. Otherwise the vehicle may be damaged and cannot move, as well as become flooded and set a drift, which may lead to death.

If your vehicle needs to be towed

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

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

Situations when it is not possible to be towed by another vehicle

In the following situations, it is not possible to be towed by another vehicle using cables or chains, as the front wheels may be locked due to the parking lock. Contact your Toyota dealer or commercial towing service.

- There is a malfunction in the shift control system. (→P. 209, 456)
- There is a malfunction in the immobilizer system. (→P. 75)
- There is a malfunction in the smart entry & start system. (→P. 492)
- The 12-volt battery is discharged. (→P. 495)

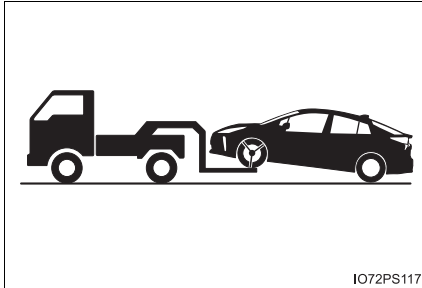
Situations when it is necessary to contact dealers before towing

The following may indicate a problem with your hybrid transmission. Contact your Toyota dealer or commercial towing service before towing.

- The hybrid system warning message is displayed and the vehicle does not move.
- The vehicle makes an abnormal sound.

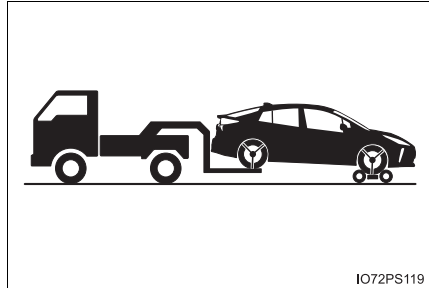
Towing with a wheel-lift type truck

► From the front



Release the parking brake.

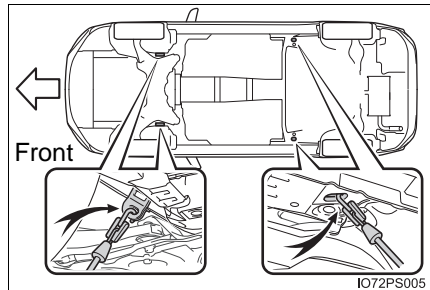
► From the rear



Use a towing dolly under the front wheels.

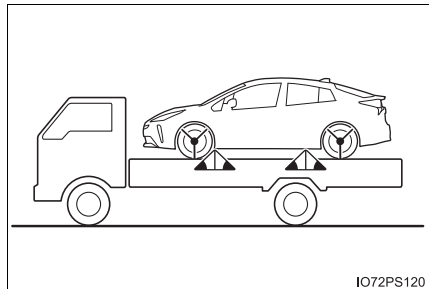
Using a flatbed truck

If your vehicle is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.



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

If you cannot tie down the vehicle using the method above, use tire strapping belts.



Emergency towing

If a tow truck is not available in an emergency, your vehicle may be temporarily towed using cables or chains secured to the emergency towing eyelets. This should only be attempted on hard surfaced roads for short distances at under 30 km/h (18 mph).

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

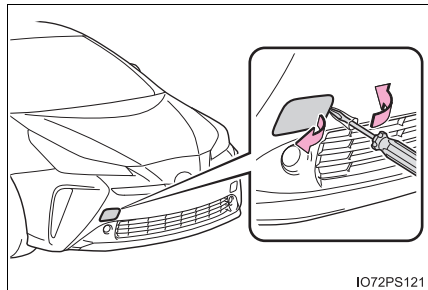
Emergency towing procedure

To have your vehicle towed by another vehicle, the towing eyelet must be installed to your vehicle. Install the towing eyelet using the following procedure.

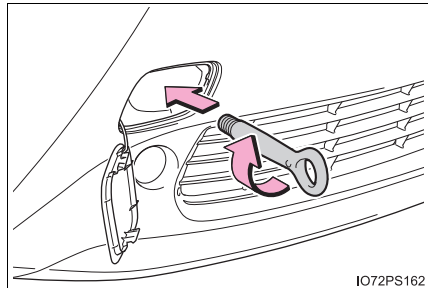
1 Take out the wheel nut wrench and towing eyelet. (→P. 460, 477)

2 Remove the eyelet cover using a flathead screwdriver.

To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.

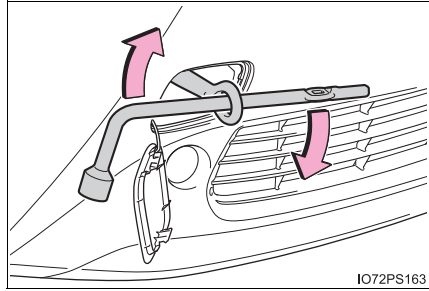


3 Insert the towing eyelet into the hole and tighten partially by hand.



- 4 Tighten down the towing eyelet securely using a wheel nut wrench or hard metal bar.

When tightening with a wheel nut wrench or hard metal bar, make sure not to damage the vehicle body.



- 5 Securely attach cables or chains to the towing eyelet.

Take care not to damage the vehicle body.

- 6 Enter the vehicle being towed and start the hybrid system.

If the hybrid system does not start, turn the power switch to ON mode.

- 7 Shift the shift position to N* and release the parking brake.

*: If the shift position cannot be changed or the current shift position cannot be confirmed, contact your Toyota dealer or commercial towing service before towing.

■ While towing

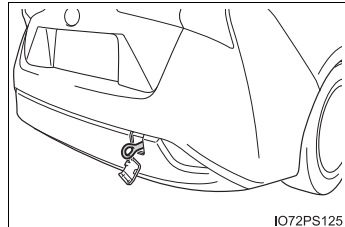
If the hybrid system is off, the power assist for the brakes and steering will not function, making steering and braking more difficult.

■ Wheel nut wrench

Wheel nut wrench is installed in luggage compartment. (→P. 460, 477)

■ Towing eyelet installation hole on the rear of the vehicle

The hole is equipped for fastening the vehicle while shipping. Your vehicle cannot tow another vehicle.

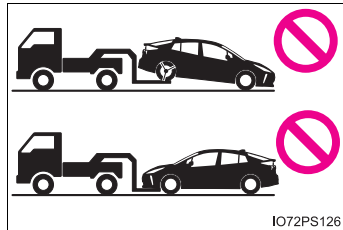


⚠ WARNING

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 the front wheels raised or with all four wheels raised off the ground. If the vehicle is towed with the front wheels contacting the ground, the drivetrain and related parts may be damaged or electricity generated by the operation of the motor may cause a fire to occur depending on the nature of the damage or malfunction.

**■ While towing**

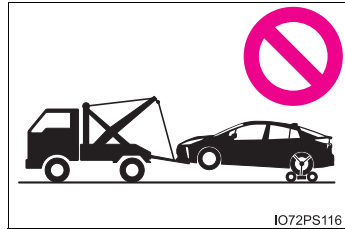
- When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing eyelets, cables or chains. The towing eyelets, cables or chains may become damaged, broken debris may hit people, and cause serious damage.
- Do not turn the power switch off.
This may lead to an accident as the front wheels will be locked by the parking lock.

■ Installing towing eyelets to the vehicle

- The towing eyelets are only for the vehicle equipped with them. Do not use the towing eyelets for another vehicle, and do not use the towing eyelets for this vehicle on another vehicle.
- Make sure that towing eyelets are installed securely.
If not securely installed, towing eyelets may come loose during towing.

 NOTICE**■ Towing with a sling-type truck**

Do not tow with a sling-type truck to prevent body damage.

**■ Using a flatbed truck**

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

■ To prevent damage to the vehicle when towing using a wheel-lift type truck

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

■ 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.

■ To prevent damage to the vehicle during emergency towing

Do not secure cables or chains to the suspension components.

If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Toyota dealer as soon as possible.

Visible symptoms

- Fluid leaks under the vehicle
(Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- High coolant temperature warning light flashes or comes 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.

Warning light and warning buzzer list

Warning light	Warning light/Details/Actions
	<p>Brake system warning light and warning buzzer (red indicator)*1 Indicates that:</p> <ul style="list-style-type: none"> • The brake fluid level is low; or • The brake system is malfunctioning <p>→ Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.</p>
	<p>Brake system warning light (yellow indicator) Indicates a malfunction in:</p> <ul style="list-style-type: none"> • The regenerative braking system; or • The electronically controlled brake system <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>
	<p>Charging system warning light Indicates a malfunction in the vehicle's charging system</p> <p>→ Immediately stop the vehicle in a safe place and contact your Toyota dealer.</p>
	<p>Low engine oil pressure warning light (warning buzzer)*2 Indicates that the engine oil pressure is too low</p> <p>→ Immediately stop the vehicle in a safe place and contact your Toyota dealer.</p>

Warning light	Warning light/Details/Actions
	<p>Malfunction indicator lamp Indicates a malfunction in:</p> <ul style="list-style-type: none"> • The hybrid system; • The electronic engine control system; or • The electronic throttle control system <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>
	<p>SRS warning light Indicates a malfunction in:</p> <ul style="list-style-type: none"> • The SRS airbag system; or • The seat belt pretensioner system <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>
	<p>ABS warning light Indicates a malfunction in:</p> <ul style="list-style-type: none"> • The ABS; or • The brake assist system <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>
 <p>(Red/yellow)</p>	<p>Electric power steering system warning light (warning buzzer) Indicates a malfunction in the EPS (Electric Power Steering) system</p> <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>
 <p>(Flashes or illuminates) (If equipped)</p>	<p>PCS warning light</p> <ul style="list-style-type: none"> • When a buzzer sounds simultaneously: Indicates a malfunction has occurred in the PCS (Pre-Collision System). <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p> <ul style="list-style-type: none"> • When a buzzer does not sound: The PCS (Pre-Collision System) has become temporarily unavailable, corrective action may be necessary. <p>→ Follow the instructions displayed on the multi-information display. (→P. 247, 456)</p> <p>If the PCS (Pre-Collision System) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate.</p> <p>→ P. 259</p>

Warning light	Warning light/Details/Actions
 <p>(Orange) (If equipped)</p>	<p>LTA indicator (warning buzzer) Indicates a malfunction in the LTA (Lane Tracing Assist) → Follow the instructions displayed on the multi-information display. (→P. 274)</p>
	<p>Slip indicator light Indicates a malfunction in: <ul style="list-style-type: none"> • The VSC system; • The TRC system; or • The hill-start assist control system → Have the vehicle inspected by your Toyota dealer immediately. The light will flash when the ABS, VSC or TRC system is operating.</p>
	<p>High coolant temperature warning light Indicates that the engine coolant temperature is too high Changes from a flashing to a solid light when the engine coolant temperature increases → Immediately stop the vehicle in a safe place. (→P. 501)</p>
	<p>Open door warning light (warning buzzer)*3 Indicates that a door is not fully closed → Check that all the doors are closed.</p>
	<p>Low fuel level warning light Indicates that remaining fuel is approximately 6.4 L (1.7 gal., 1.4 Imp.gal.) or less → Refuel the vehicle.</p>
	<p>Driver's and front passenger's seat belt reminder light (warning buzzer)*4 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.</p>
	<p>Rear passengers' seat belt reminder lights (warning buzzer)*5 Warns the rear passengers to fasten their seat belts → Fasten the seat belt.</p>

Warning light	Warning light/Details/Actions
	<p>Master warning light</p> <p>A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.</p> <p>→ P. 450</p>
	<p>Inappropriate pedal operation warning light*⁶ (warning buzzer)</p> <p>When a buzzer sounds: Indicates a malfunction in:</p> <ul style="list-style-type: none"> • The Brake Override System • The Drive-Start Control <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p> <p>Indicates that the shift position was changed and Drive-Start Control was operated while depressing the accelerator pedal.</p> <p>→ Momentarily release the accelerator pedal.</p> <p>When a buzzer does not sound: Indicates that the accelerator and brake pedals are being depressed simultaneously, and the Brake Override System is operating.</p> <p>→ Release the accelerator pedal and depress the brake pedal.</p>

*1: Brake system warning buzzer:

When there is a possible problem that could affect braking performance, the warning light will come on and a warning buzzer will sound.

*2: Low engine oil pressure warning buzzer:

A buzzer also sounds continuously for approximately 30 seconds at maximum in addition to the low engine oil pressure warning light when the "READY" indicator is illuminated.

*3: Open door warning buzzer:

The open door warning buzzer sounds to alert one or more of the doors is not fully closed (with the vehicle having reached a speed of 5 km/h [3 mph]).

*4: Driver's and front passenger's seat belt warning buzzer:

The driver's and front passenger's seat belt warning buzzer sounds to alert the driver and front passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

*5: Rear passengers' seat belt warning buzzer:

The rear passengers' seat belt warning buzzer sounds to alert the rear passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time, after the seat belt is fastened and unfastened and the vehicle reaches a certain speed.

*6: This symbol is displayed on the multi-information display.

■ 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.

■ 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.

■ If the malfunction indicator lamp comes on while driving

For some models, the malfunction indicator lamp will come on if the fuel tank becomes completely empty. If the fuel tank is empty, refuel the vehicle immediately. The malfunction indicator lamp will go off after several trips.

If the malfunction indicator lamp does not go off, contact your Toyota dealer as soon as possible.

■ Warning buzzer

In some cases, the buzzer may not be heard due to being in a noisy location or audio sound.

WARNING

■ When the electric power steering system warning light comes on

When the light comes on yellow, the assist to the power steering is restricted. When the light comes on red, the assist to the power steering is lost and handling operations of the steering wheel become extremely heavy. When steering wheel operations are heavier than usual, grip the steering wheel firmly and operate it using more force than usual.

If a warning message is displayed

The multi-information display shows warnings 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.

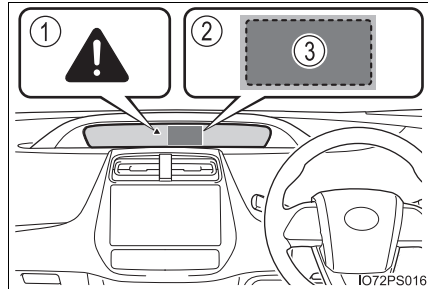
① Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.*

② Multi-information display

③ Handling method

Follow the instructions of the message on the multi-information display.




If any of the warning messages are shown again after the following actions have been performed, contact your Toyota dealer.

*: The master warning light may not come on or flash when a warning message is displayed.

Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected by your Toyota dealer immediately.

	System warning light	Warning buzzer*	Warning
Comes on	—	Sounds	Indicates an important situation, such as when a system related to driving is malfunctioning or that danger may result if the correction procedure is not performed
—	Comes on or flashes	Sounds	Indicates an important situation, such as when the systems shown on the multi-information display may be malfunctioning
Flashes	—	Sounds	Indicates a situation, such as when damage to the vehicle or danger may result
Comes on	—	Does not sound	Indicates a condition, such as malfunction of electrical components, their condition, or indicates the need for maintenance
Flashes	—	Does not sound	Indicates a situation, such as when an operation has been performed incorrectly, or indicates how to perform an operation correctly

The operation of the warning lights and warning buzzers may differ from those stated. In this case, perform the correction procedure according to the displayed message.

*: A buzzer sounds the first time a message is shown on the multi-information display.

■ Warning messages

The warning messages explained below may differ from the actual messages according to operation conditions and vehicle specifications.

■ System warning lights

The master warning light does not come on or flash in the following cases. Instead, a separate system warning light will come on along with a message or image shown on the multi-information display.

- “Antilock Brake System Malfunction Visit Your Dealer”:
The ABS warning light comes on. (→P. 446)
- “Braking Power Low Visit Your Dealer”:
The brake system warning light (yellow) will come on. (→P. 445)
- Indicates that a door is not fully closed while the vehicle is stopped.:
The Open door warning light comes on. (→P. 447)

■ If “Visit Your Dealer” is shown

The system or part shown on the multi-information display is malfunctioning. Have the vehicle inspected by your Toyota dealer.

■ 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 assist systems such as PCS (Pre-Collision System) (if equipped) or the dynamic radar cruise control with full-speed range (if equipped) 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. 193, 456)
 - A warning message is shown when Drive-Start Control operates (→P. 194). 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 operation is shown
To prevent the shift position from being selected incorrectly or the vehicle from moving unexpectedly, the shift position may be changed automatically (→P. 217) or shift operation may be required. In this case, change the shift position following the instructions on the multi-information display.

- 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 **“See Owner’s Manual”** is shown

- If **“Braking Power Low Stop in a Safe Place See Owner’s Manual”** is shown, this 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.
- If **“Engine Oil Pressure Low”** is shown, this may be a malfunction. Immediately stop the vehicle in a safe place and contact your Toyota dealer.
- If the following messages are shown, there may be a malfunction. Immediately have the vehicle inspected by your Toyota dealer.
 - **“Hybrid System Malfunction”**
 - **“Check Engine”**
 - **“Hybrid Battery System Malfunction”**
 - **“Accelerator System Malfunction”**
 - **“Smart Entry & Start System Malfunction See Owner’s Manual”**

■ If **“Shift System Not Active Apply Parking Brake Securely While Parking See Owner’s Manual”** is shown

Indicates a temporary operation failure or malfunction in the shift control system. Immediately have the vehicle inspected by your Toyota dealer.

When the message is shown, the hybrid system may not be started or the shift position may not be changed normally. (Coping method: →P. 456)

■ If **“Shift System Malfunction Apply Parking Brake Securely While Parking See Owner’s Manual”** is shown

Indicates a malfunction in the shift control system. Immediately have the vehicle inspected by your Toyota dealer.

When the message is shown, the hybrid system may not be started or the shift position may not be changed normally. (Coping method: →P. 456)

■ If **“ Switch Malfunction Apply Parking Brake Securely While Parking See Owner’s Manual”** is shown

The P position switch may not operate. Immediately have the vehicle inspected by your Toyota dealer.

When parking the vehicle, stop the vehicle on level ground and apply the parking brake firmly.

■ If **“Shift System Malfunction Shifting Unavailable See Owner’s Manual”** is shown

Indicates a malfunction in the shift control system. Immediately have the vehicle inspected by your Toyota dealer.

The shift position may not be shifted from P to other than P.

■ **If “Shift System Malfunction Stop in a Safe Place See Owner’s Manual” is shown**

Indicates a malfunction in the shift control system. Immediately have the vehicle inspected by your Toyota dealer.

The shift position may not be changed. Stop the vehicle in a safe place.

■ **If “Shift System Malfunction See Owner’s Manual” is shown**

Indicates a malfunction in the shift control system. Immediately have the system inspected by your Toyota dealer.

The system may not operate properly.

■ **If “Low 12-Volt Battery Apply Parking Brake Securely While Parking See Owner’s Manual” is shown**

Indicates that the 12-volt battery charge is insufficient. Charge or replace the 12-volt battery.

- When the message is shown, the hybrid system may not start or the shift position may not be changed normally. (Coping method: →P. 456)

- After charging the 12-volt battery, the message may not go off until the shift position is changed from P.

■ **If “Shifting Unavailable Low 12-Volt Battery See Owner’s Manual” is shown**

Indicates that the shift position cannot be changed because the voltage of the 12-volt battery drops. Charge or replace the 12-volt battery.

(Coping method in the case the 12-volt battery is discharged: →P. 495)

■ **If “Hybrid System Overheated. Reduced Output Power.” 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. 501

■ **If “Maintenance Required for Traction Battery 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.

- If the air intake vent is dirty, refer to P. 409 for information on how to clean the air intake vent.

- If the message is shown when the air intake vent is not dirty, have the vehicle inspected by your Toyota dealer.

■ **If “Traction Battery Needs to be Protected Refrain From the Use of **N** Position” is shown**

This message may be displayed when the shift position is in N.

As the hybrid battery (traction battery) can not be charged when the shift position is in N, shift the shift position 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 vehicle has been left with the N shift position selected for a certain amount of time.

When operating the vehicle, shift to P and restart the hybrid system.

■ **If “Shifted into **P** Shift Again to Start Vehicle” is shown**

Message is displayed when the automatic P position selection function operates. (→P. 218)

To start off the vehicle after the shift position is changed to P, operate the shift lever again.

■ **If “Shift to **P** Before Exiting Vehicle” is shown**

Message is displayed when the driver’s door is opened without turning the power switch to off with the shift position in any position other than P.

Shift the shift position 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 position is in N.

Release the accelerator pedal and shift the shift position to D or R.

■ **If “Depress Brake When Vehicle is Stopped. Hybrid System may Overheat.” is shown**

The message may be shown when the accelerator pedal is depressed to hold the vehicle while the vehicle is stopped on an uphill, etc.

The hybrid system may overheat. Release the accelerator pedal and depress the brake pedal.

■ **If “Shifted to **N** Stop Vehicle to Shift to **P**” is shown**

If the P position switch is pressed while driving, the shift position is changed to N and the message is shown. (→P. 217)

■ **If “Auto Power OFF to Conserve Battery” is shown**

The power switch has been turned off by the automatic power off function.

When starting the hybrid system next time, 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 “Accelerator and Brake Pedals Pressed Simultaneously” is shown

The accelerator and brake pedals are being depressed simultaneously.
(→P. 193)

Release the accelerator pedal and depress the brake pedal.

■ 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. 247, 445)

- PCS (Pre-Collision System) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- AHB (Automatic High Beam) (if equipped)
- RSA (Road Sign Assist) (if equipped)
- Dynamic radar cruise control with full-speed range (if equipped)

■ If a message that indicates the malfunction of radar sensor is displayed

The following systems may be suspended until the problem shown in the message is resolved. (→P. 247, 445)

- PCS (Pre-Collision System) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- 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. 247)

■ 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.

■ If the shift position cannot be changed or the power switch is turned to ACCESSORY mode even if trying to turn the power switch off when a warning message is shown

If the 12-volt battery is discharged or the shift control system is malfunctioning, the followings may occur.

- The shift position may not be changed to P.
When parking, stop the vehicle on level ground and apply the parking brake firmly.
- The hybrid system may not start.
- The power switch may be turned to ACCESSORY mode even if trying to turn the power switch off.
In this case, the power switch may be turned off after applying the parking brake.
- The automatic P position selection function (→P. 218) may not operate.
Before turning the power switch off, be sure to press the P position switch and check that the shift position is in P by the shift position indicator or P position switch indicator.

■ Warning buzzer

→P. 449

**NOTICE****■ 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 (vehicles without spare tire)

Your vehicle is not equipped with a spare tire, but instead is equipped with an emergency tire puncture repair kit.

A puncture caused by a nail or screw passing through the tire tread can be repaired temporarily using the emergency tire puncture repair kit. (The kit contains a bottle of sealant. The sealant can be used only once to temporarily repair one tire without removing the nail or screw from the tire.) After temporarily repairing the tire with the kit, have the tire repaired or replaced by your Toyota dealer.



WARNING

■ If you have a flat tire

Do not continue driving with a flat tire.

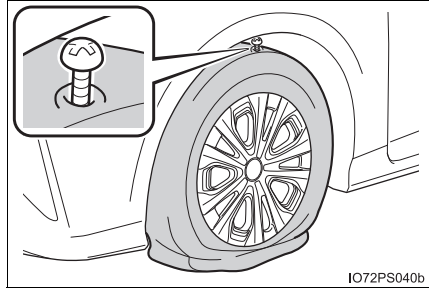
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Before repairing the tire

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift position to P.
- Stop the hybrid system.
- Turn on the emergency flashers.
- Check the degree of the tire damage.

A tire should only be repaired with the emergency tire puncture repair kit if the damage is caused by a nail or screw passing through the tire tread.

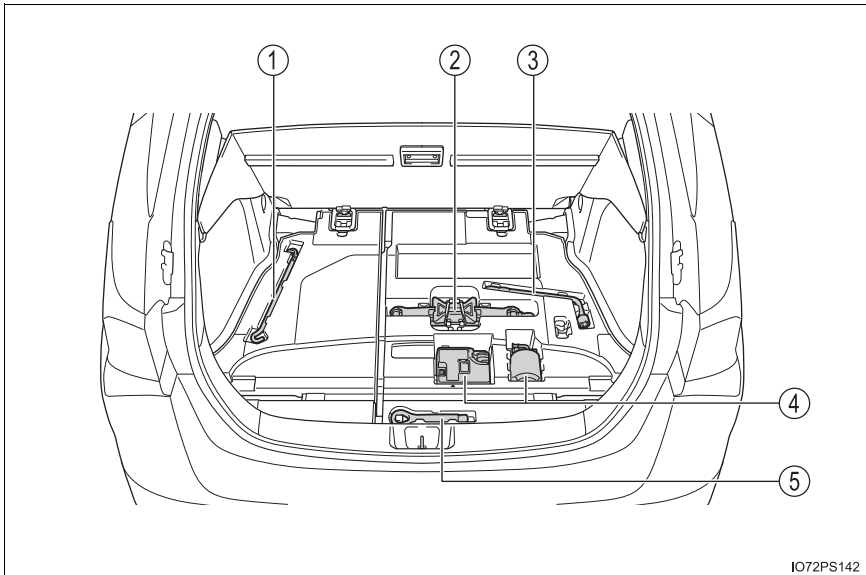
- Do not remove the nail or screw from the tire. Removing the object may widen the opening and make emergency repair with the repair kit impossible.
- To avoid sealant leakage, move the vehicle until the area of the puncture, if known, is positioned at the top of the tire.



■ A flat tire that cannot be repaired with the emergency tire puncture repair kit

In the following cases, the tire cannot be repaired with the emergency tire puncture repair kit. Contact your Toyota dealer.

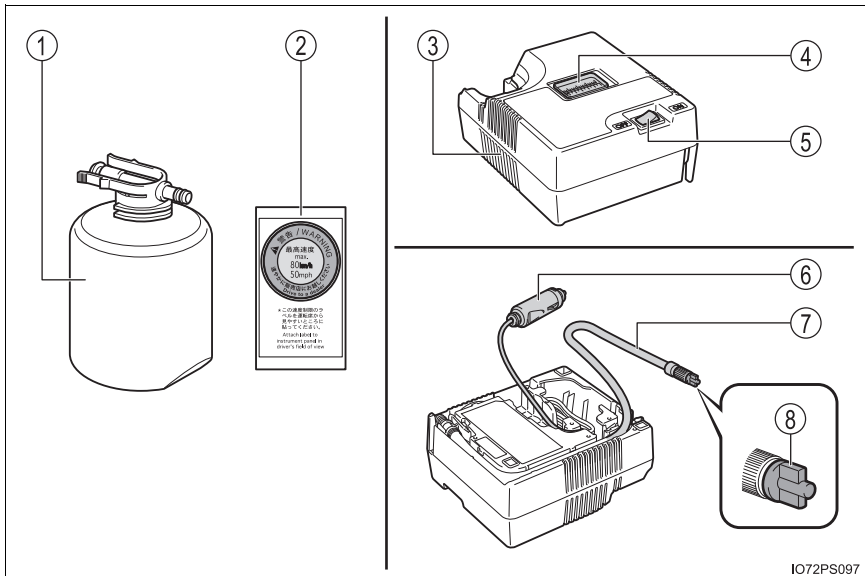
- When the tire is damaged due to driving without sufficient air pressure
- When there are any cracks or damage at any location on the tire, such as on the side wall, except the tread
- When the tire is visibly separated from the wheel
- When the cut or damage to the tread is 4 mm (0.16 in.) long or more
- When the wheel is damaged
- When two or more tires have been punctured
- When more than one sharp objects such as nails or screws have passed through the tread on a single tire
- When the sealant has expired

Location of the emergency tire puncture repair kit and tools

I072PS142

- ① Jack handle
- ② Jack
(Use of the jack: →P. 463)
- ③ Wheel nut wrench
- ④ Emergency tire puncture repair kit
- ⑤ Towing eyelet

Emergency tire puncture repair kit components

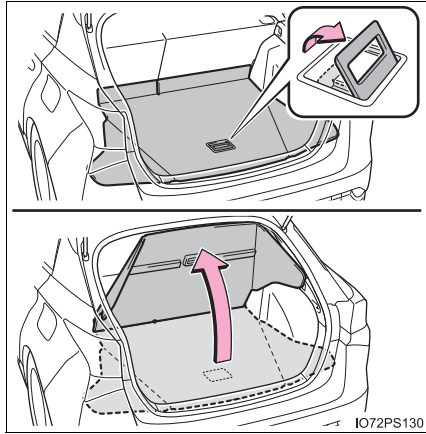


- ① Bottle
- ② Sticker
- ③ Compressor
- ④ Air pressure gauge

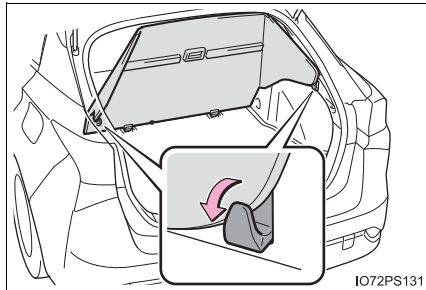
- ⑤ Compressor switch
- ⑥ Power plug
- ⑦ Hose
- ⑧ Air release cap

Taking out the emergency tire puncture repair kit

- 1 Pull up the handle to open the deck board.

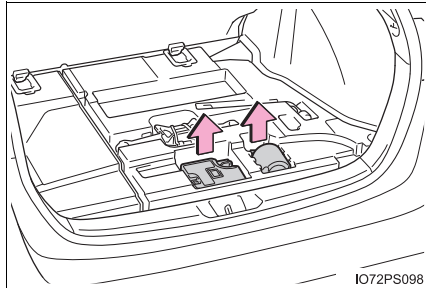


- 2 Secure the deck board using the grocery bag hooks. (→P. 353)



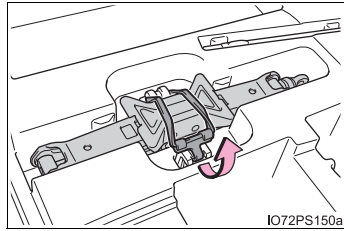
- 3 Take out the emergency tire puncture repair kit.

If the luggage cover is stowed, turn over the luggage cover to take out the emergency tire puncture repair kit.

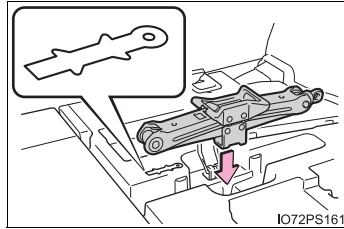


■ Taking out the jack

Unhook the tightening strap and take out the jack.

**■ Storing the jack**

Place the jack in the same direction as the mark next to the storage space.

**⚠ WARNING****■ After using the tools and jack**

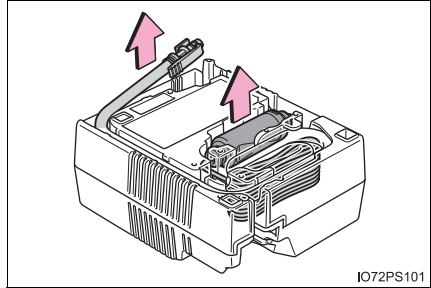
Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

Emergency repair method

- 1 Take out the repair kit from the plastic bag.

Attach the sticker enclosed with the bottle on the specified locations. (See step 10.)

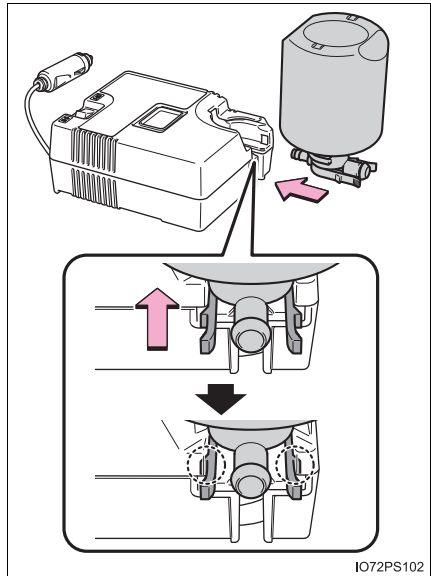
- 2 Remove the hose and take out the power plug from the compressor.



IO72PS101

- 3 Connect the bottle to the compressor.

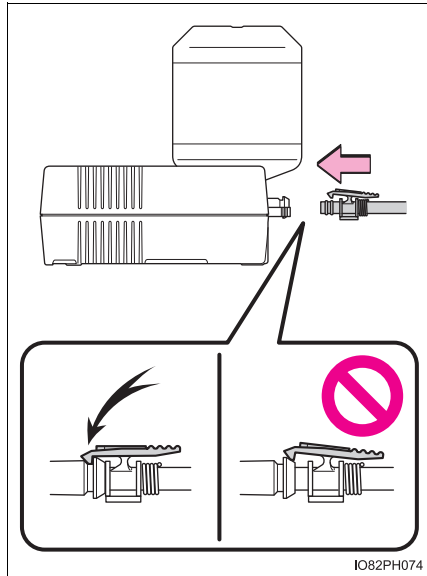
Insert and connect the bottle straight into the compressor as shown in the illustration, and check that the claws of the bottle are concealed in the holes.



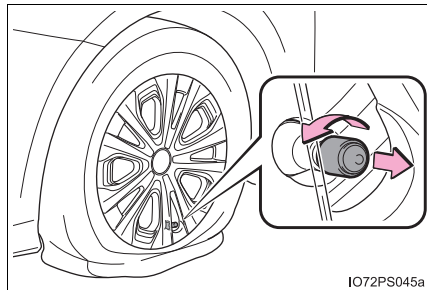
IO72PS102

4 Connect the hose to the bottle.

As shown in the illustration, make sure the hose is connected securely to the bottle.

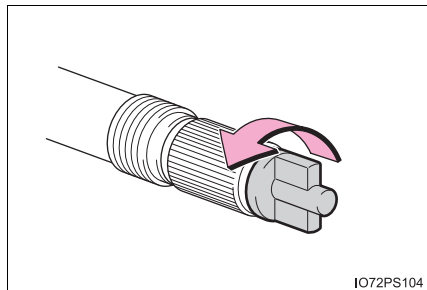


5 Remove the valve cap from the valve of the punctured tire.

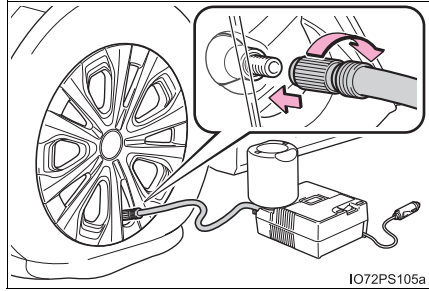


6 Extend the hose. Remove the air release cap from the hose.

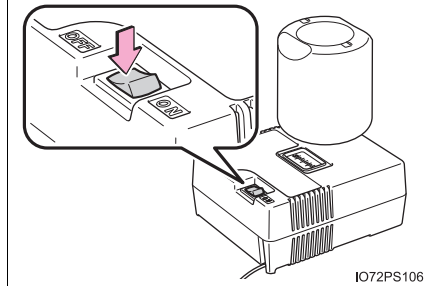
You will use the air release cap again. Therefore keep it in a safe place.



- 7 Connect the hose to the valve.
Screw the end of the hose clockwise as far as possible.

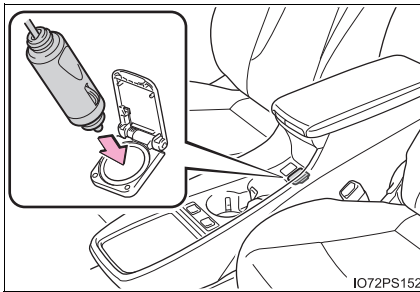


- 8 Make sure that the compressor switch is off.

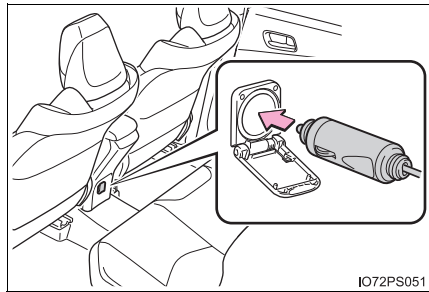


- 9 Connect the power plug to the power outlet socket. (→P. 358)

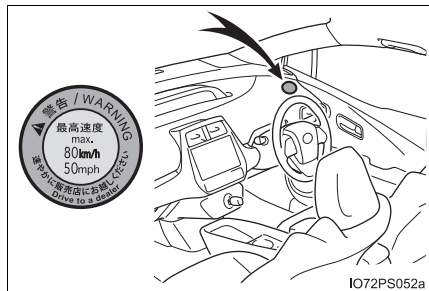
▶ Front



▶ Rear

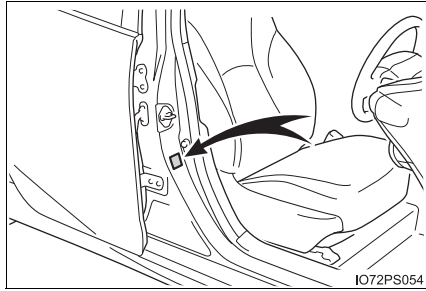


- 10 Attach the sticker provided with the tire puncture repair kit to a position easily seen from the driver's seat.



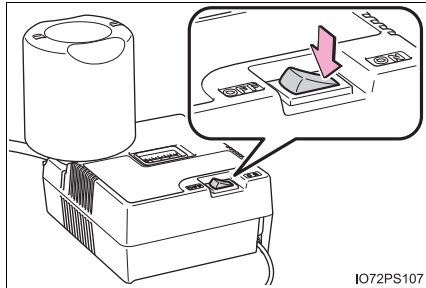
- 11 Check the specified tire inflation pressure.

Tire inflation pressure is specified on the label as shown. (→P. 519)



- 12 Start the hybrid system. (→P. 206)

- 13 To inject the sealant and inflate the tire, turn the compressor switch on.



14 Inflate the tire until the specified air pressure is reached.

① The sealant will be injected and the pressure will spike to 300 kPa (3.0 kgf/cm² or bar, 44 psi) or 400 kPa (4.0 kgf/cm² or bar, 58 psi), then gradually decrease.

② The air pressure gauge will display the actual tire inflation pressure about 1 to 5 minutes after the switch is turned on.

Turn the compressor switch off and then check the tire inflation pressure.

Being careful not to over inflate, check and repeat the inflation procedure until the specified tire inflation pressure is reached.

The tire can be inflated for about 5 to 20 minutes (depending on the outside temperature). If the tire inflation pressure is still lower than the specified point after inflation for 25 minutes, the tire is too damaged to be repaired. Turn the compressor switch off and contact your Toyota dealer.

If the tire inflation pressure exceeds the specified air pressure, let out some air to adjust the tire inflation pressure. (→P. 471, 519)

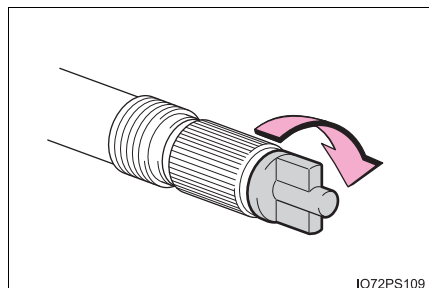
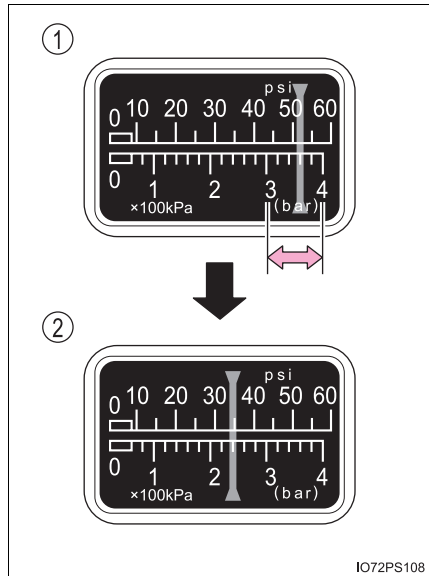
15 With the compressor switch off, pull out the power plug from the power outlet socket and then disconnect the hose from the valve on the tire.

Some sealant may leak when the hose is removed.

16 Install the valve cap onto the valve of the emergency repaired tire.

17 Attach the air release cap to the end of the hose.

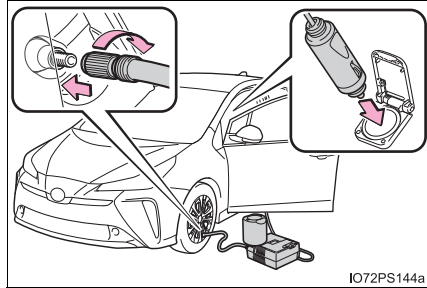
If the air release cap is not attached, the sealant may leak and the vehicle may get dirty.



- 18 Temporarily store the bottle in the luggage compartment while it is connected to the compressor.
- 19 To spread the liquid sealant evenly within the tire, immediately drive safely for about 5 km (3 miles) below 80 km/h (50 mph).

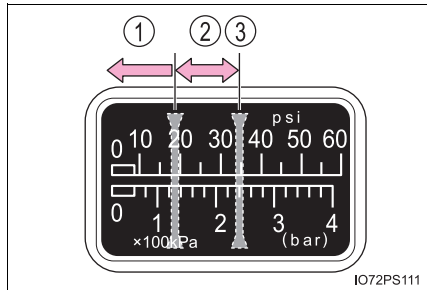
- 20 After driving, stop your vehicle in a safe place on a hard, flat surface and reconnect the repair kit.

Remove the air release cap from the hose before reconnecting the hose.



- 21 Turn the compressor switch on and wait for several seconds, then turn it off. Check the tire inflation pressure.

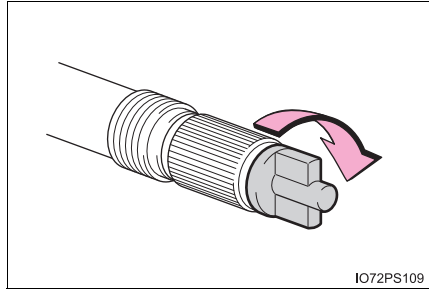
- ① If the tire inflation pressure is under 130 kPa (1.3 kgf/cm² or bar, 19 psi): The puncture cannot be repaired. Contact your Toyota dealer.
- ② If the tire inflation pressure is 130 kPa (1.3 kgf/cm² or bar, 19 psi) or higher, but less than the specified air pressure: Proceed to step 22.



- ③ If the tire inflation pressure is the specified air pressure (→P. 519): Proceed to step 23.
- 22 Turn the compressor switch on to inflate the tire until the specified air pressure is reached. Drive for about 5 km (3 miles) and then perform step 20.

- 23 Attach the air release cap to the end of the hose.

If the air release cap is not attached, the sealant may leak and the vehicle may get dirty.



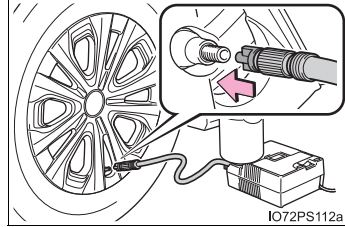
- 24 Store the bottle in the luggage compartment while it is connected to the compressor.
- 25 Taking precautions to avoid sudden braking, sudden acceleration and sharp turns, drive carefully at under 80 km/h (50 mph) to the nearest Toyota dealer that is less than 100 km (62 miles) away for tire repair or replacement.

For repair and replacement of a tire or disposal of a tire puncture repair kit, contact your Toyota dealer.

When having the tire repaired or replaced, make sure to tell the Toyota dealer that the sealant is injected.

■ **If the tire is inflated to more than the specified air pressure**

- 1 Disconnect the hose from the valve.
- 2 Install the air release cap to the end of the hose and push the protrusion on the air release cap into the tire valve to let some air out.



- 3 Disconnect the hose from the valve, remove the air release cap from the hose and then reconnect the hose.
- 4 Turn the compressor switch on and wait for several seconds, and then turn it off. Check that the air pressure indicator shows the specified air pressure. (→P. 519)

If the air pressure is under the designated pressure, turn the compressor switch on again and repeat the inflation procedure until the specified air pressure is reached.

■ **The valve of a tire that has been repaired**

After a tire is repaired with the emergency tire puncture repair kit, the valve should be replaced.

■ **Note for checking the emergency tire puncture repair kit**

Check the sealant expiry date occasionally.

The expiry date is shown on the bottle. Do not use sealant whose expiry date has already passed. Otherwise, repairs conducted using the emergency tire puncture repair kit may not be performed properly.

■ Emergency tire puncture repair kit

- The emergency tire puncture repair kit is for filling the car tire with air.
- The sealant has a limited life span. The expiry date is marked on the bottle. The sealant should be replaced before the expiry date. Contact your Toyota dealer for replacement.
- The sealant stored in the emergency tire puncture repair kit can be used only once to temporarily repair a single tire. If the sealant in the bottle and other parts of the kit have been used and need to be replaced, contact your Toyota dealer.
- The compressor can be used repeatedly.
- The sealant can be used when the outside temperature is from -40°C (-40°F) to 60°C (140°F).
- The kit is exclusively designed for size and type of tires originally installed on your vehicle. Do not use it for tires that a different size than the original ones, or for any other purposes.
- If the sealant gets on your clothes, it may stain.
- If the sealant adheres to a wheel or the surface of the vehicle body, the stain may not be removable if it is not cleaned at once. Immediately wipe away the sealant with a wet cloth.
- During operation of the repair kit, a loud operation noise is produced. This does not indicate a malfunction.
- Do not use to check or to adjust the tire pressure.

 **WARNING****■ Do not drive the vehicle with a flat tire**

Do not continue driving with a flat tire.

Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

Driving with a flat tire may cause a circumferential groove on the side wall. In such a case, the tire may explode when using a repair kit.

■ Caution while driving

- Store the repair kit in the luggage compartment.
Injuries may result in the event of an accident or sudden braking.
- The repair kit is exclusively only for your vehicle.
Do not use repair kit on other vehicles, which could lead to an accident causing death or serious injury.
- Do not use repair kit for tires that are different size than the original ones, or for any other purpose. If the tires have not been completely repaired, it could lead to an accident causing death or serious injury.

■ Precautions for use of the sealant

- Ingesting the sealant is hazardous to your health. If you ingest sealant, consume as much water as possible, and then immediately consult a doctor.
- If sealant gets in eyes or adheres to skin, immediately wash it off with water. If discomfort persists, consult a doctor.


 **WARNING****■ When fixing the flat tire**

- Stop your vehicle in a safe and flat area.
- Do not touch the wheels or the area around the brakes immediately after the vehicle has been driven.
After the vehicle has been driven, the wheels and the area around the brakes may be extremely hot. Touching these areas with hands, feet or other body parts may result in burns.
- Connect the valve and hose securely with the tire installed on the vehicle. If the hose is not properly connected to the valve, air leakage may occur as sealant may be sprayed out.
- If the hose comes off the valve while inflating the tire, there is a risk that the hose will move abruptly due to air pressure.
- After inflation of the tire has completed, the sealant may splatter when the hose is disconnected or some air is let out of the tire.
- Follow the operation procedure to repair the tire. If the procedures not followed, the sealant may spray out.
- Keep back from the tire while it is being repaired, as there is a chance of it bursting while the repair operation is being performed. If you notice any cracks or deformation of the tire, turn off the compressor switch and stop the repair operation immediately.
- The repair kit may overheat if operated for a long period of time. Do not operate the repair kit continuously for more than 40 minutes.
- Parts of the repair kit become hot during operation. Be careful handling the repair kit during and after operation. Do not touch the metal part connecting the bottle and the compressor. It will be extremely hot.
- Do not attach the vehicle speed warning sticker to an area other than the one indicated. If the sticker is attached to an area where an SRS airbag is located, such as the pad of the steering wheel, it may prevent the SRS airbag from operating properly.

 **WARNING**
■ Driving to spread the liquid sealant evenly

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

- Drive the vehicle carefully at a low speed. Be especially careful when turning and cornering.
- If the vehicle does not drive straight or you feel a pull through the steering wheel, stop the vehicle and check the following.
 - Tire condition. The tire may have separated from the wheel.
 - Tire inflation pressure. If the tire inflation pressure is 130 kPa (1.3 kgf/cm² or bar, 19 psi) or less, the tire may be severely damaged.

 **NOTICE**
■ When performing an emergency repair

- A tire should only be repaired with the emergency tire puncture repair kit if the damage is caused by a sharp object such as nail or screw passing through the tire tread.
Do not remove the sharp object from the tire. Removing the object may widen the opening and disenable emergency repair with the repair kit.
- The repair kit is not waterproof. Make sure that the repair kit is not exposed to water, such as when it is being used in the rain.
- Do not put the repair kit directly onto dusty ground such as sand at the side of the road. If the repair kit vacuums up dust etc., a malfunction may occur.
- Make sure the sealant bottle of the repair kit is in a vertical position. The repair kit does not operate properly when it is laid.

■ Precautions for the emergency tire puncture repair kit

- The repair kit power source should be 12 V DC suitable for vehicle use. Do not connect the repair kit to any other source.
- If fuel splatters on the repair kit, the repair kit may deteriorate. Take care not to allow fuel to contact it.
- Place the repair kit in a storage to prevent it from being exposed to dirt or water.
- Store the repair kit in the luggage compartment out of reach of children.
- Do not disassemble or modify the repair kit. Do not subject parts such as the air pressure indicator to impacts. This may cause a malfunction.

If you have a flat tire (vehicles with spare tire)

Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.

For details about tires: →P. 398



WARNING

■ If you have a flat tire

Do not continue driving with a flat tire.

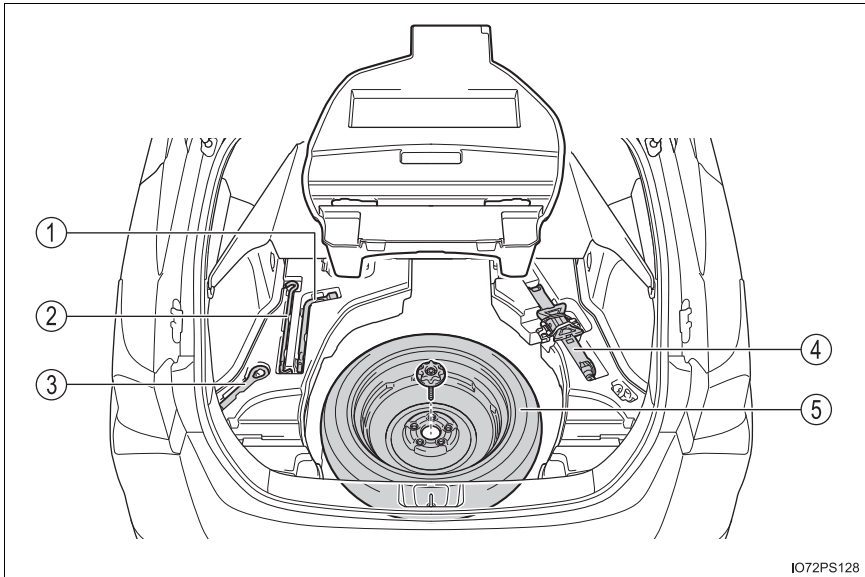
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Before jacking up the vehicle

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift position to P.
- Stop the hybrid system.
- Turn on the emergency flashers. (→P. 434)

Location of the spare tire, jack and tools

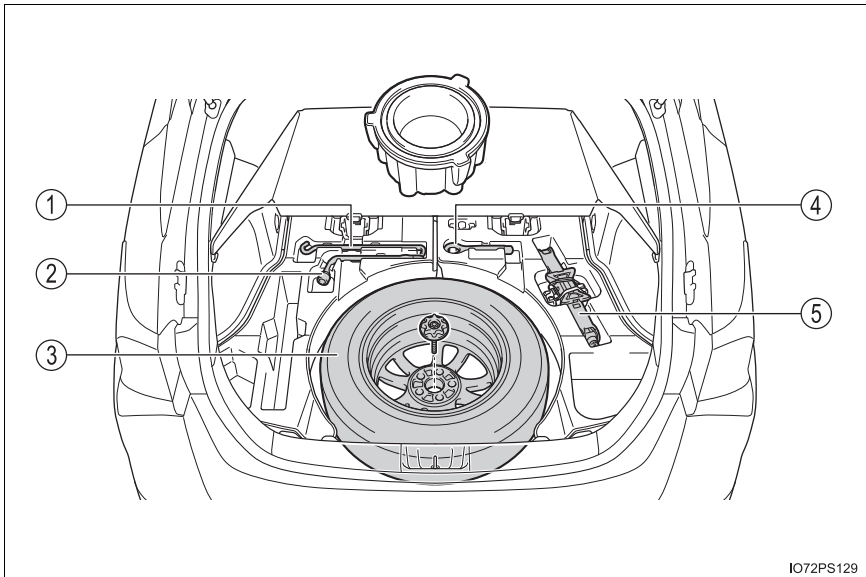
► Vehicles with compact spare tire



- ① Wheel nut wrench
- ② Jack handle
- ③ Towing eyelet

- ④ Jack
- ⑤ Spare tire

► Vehicles with full-size spare tire



① Jack handle

② Wheel nut wrench

③ Spare tire

④ Towing eyelet

⑤ Jack

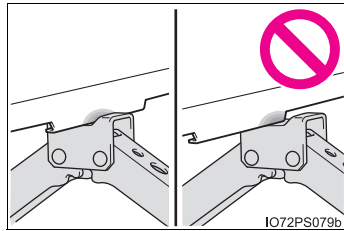
⚠ WARNING

■ 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.

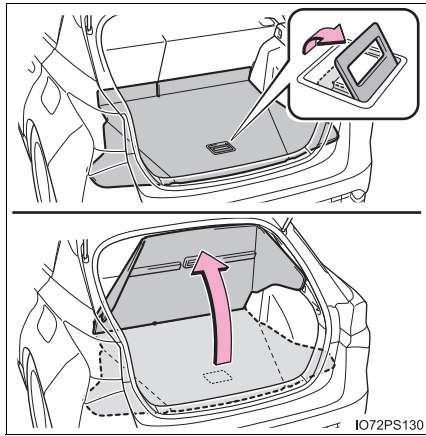
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Do not raise the vehicle while someone is inside.
- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Put the jack properly in its jack point.
(→P. 483)



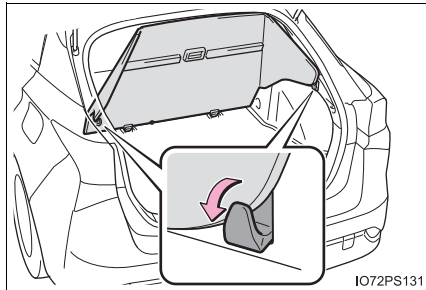
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start the hybrid system or drive the vehicle while the vehicle is supported by the jack.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering.

Taking out the jack

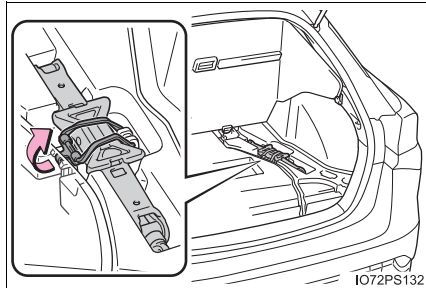
- 1 Pull up the handle to open the deck board.



- 2 Secure the deck board using the grocery bag hooks. (→P. 353)



- 3 Take out the jack.

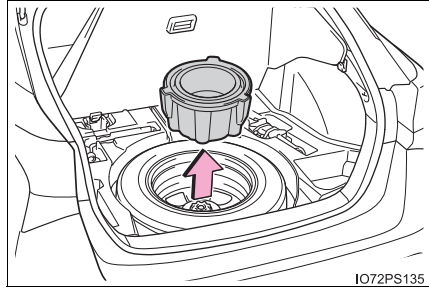
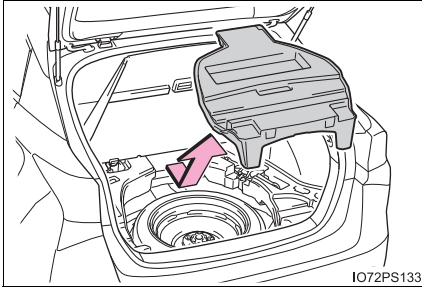


Taking out the spare tire

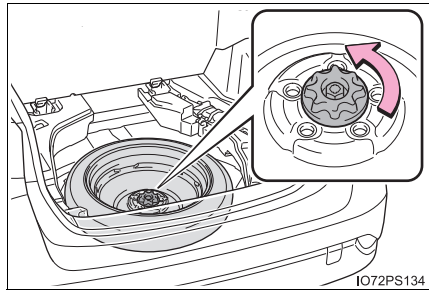
- 1 Open and secure the deck board. (→P. 480)
- 2 Remove the tray.

Vehicles with compact spare tire: If the luggage cover is stowed (→P. 356), remove both the tray and luggage cover.

- ▶ Vehicles with compact spare tire ▶ Vehicles with full-size spare tire



- 3 Loosen the center fastener that secures the spare tire.



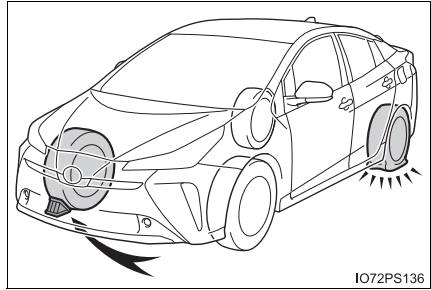
WARNING

■ When storing the spare tire

Be careful not to catch fingers or other body parts between the spare tire and the body of the vehicle.

Replacing a flat tire

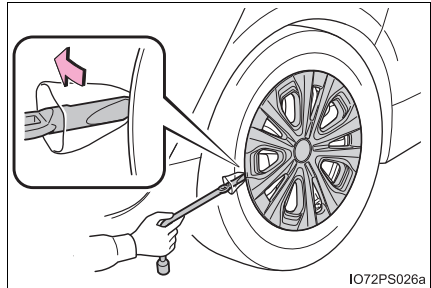
- 1 Chock the tires.



IO72PS136

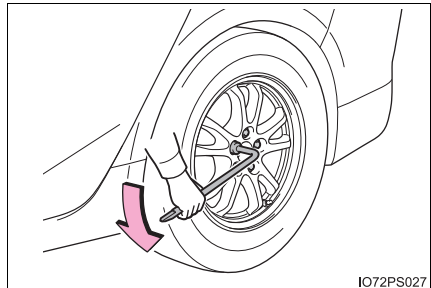
Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

- 2 For vehicles with 195/65R15 tires: Remove the wheel ornament using the wrench. To prevent damage, cover the tip of the wrench with a rag.



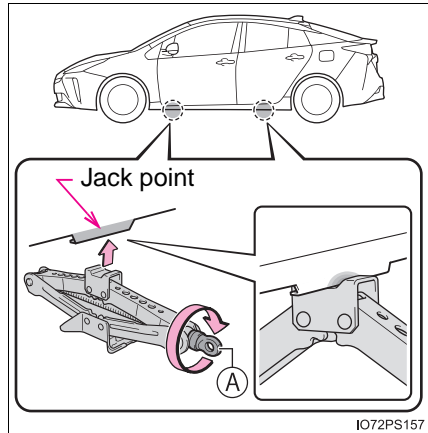
IO72PS026a

- 3 Slightly loosen the wheel nuts (one turn).

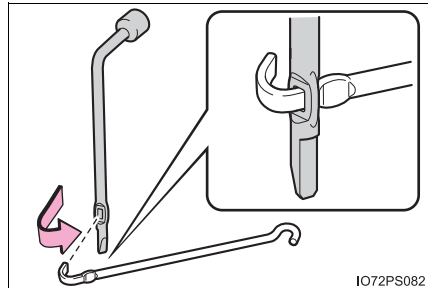


IO72PS027

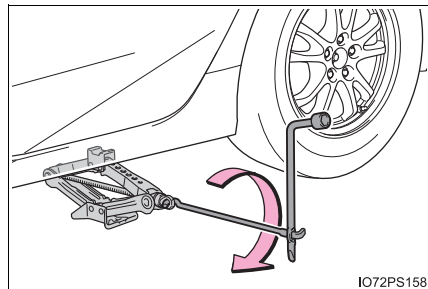
- 4 Turn the tire jack portion (A) by hand until the center of the recessed portion of the jack is in contact with the center of the jack point.



- 5 Assemble the jack handle and the wheel nut wrench as shown in the illustration.

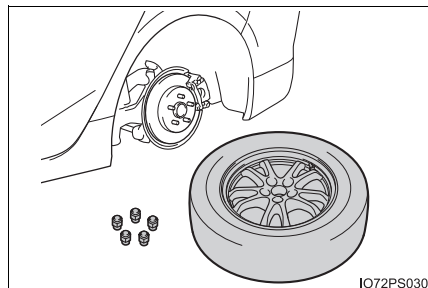


- 6 Raise the vehicle until the tire is slightly raised off the ground.



- 7 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.



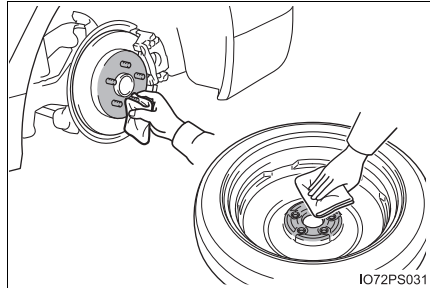
**WARNING****■ Replacing a flat tire**

- 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 103 N•m (10.5 kgf•m, 76 ft•lbf) 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.
 - When installing the wheel nuts, be sure to install the wheel nuts with the tapered ends facing inward.

Installing the spare tire

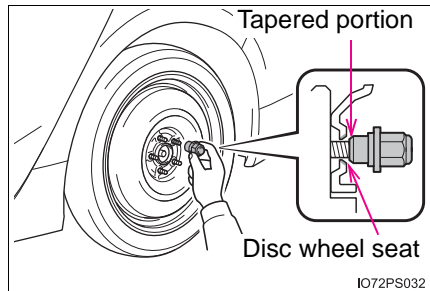
- 1 Remove any dirt or foreign matter from the wheel contact surface.

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.

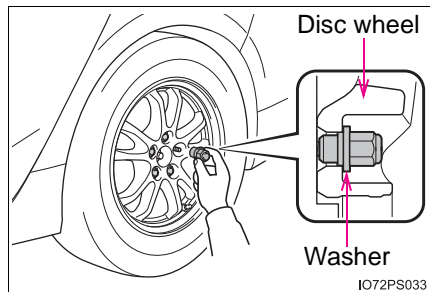


- 2 Install the spare tire and loosely tighten each wheel nut by hand by approximately the same amount.

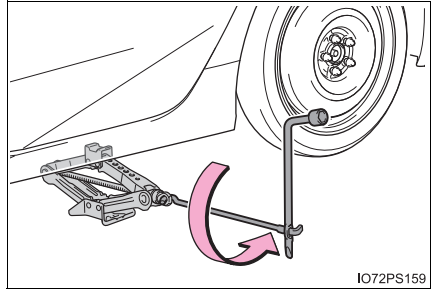
When replacing an aluminum wheel with a steel wheel (including a compact spare tire), tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel seat.



When replacing an aluminum wheel with an aluminum wheel, turn the wheel nuts until the washers come into contact with the disc wheel.



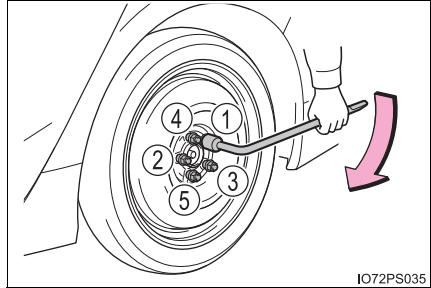
- 3 Lower the vehicle.



- 4 Firmly tighten each wheel nut two or three times in the order shown in the illustration.

Tightening torque:

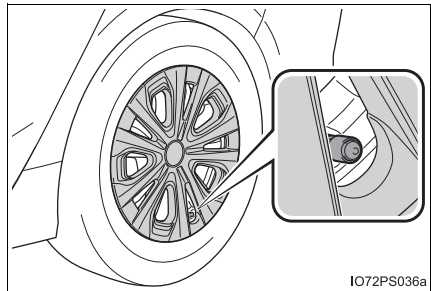
103 N•m (10.5 kgf•m, 76 ft•lbf)



- 5 For vehicles with 195/65R15 tires: When reinstalling an original wheel or installing a full-size spare tire, reinstall the wheel ornament.*

Align the cutout of the wheel ornament with the valve stem as shown.

*: The wheel ornament cannot be installed on the compact spare tire.



- 6 Stow the flat tire, tire jack and all tools.

■ The compact spare tire (if equipped)

- 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. 519)

■ When the compact spare tire is equipped (if equipped)

The vehicle height may become lower when driving with the compact spare tire compared to when driving with standard tires.

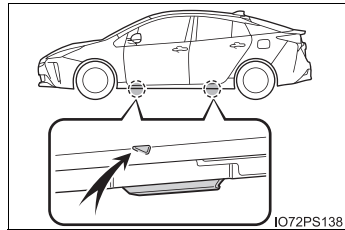
■ If you have a flat front tire on a road covered with snow or ice (vehicles with compact spare tire)

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.

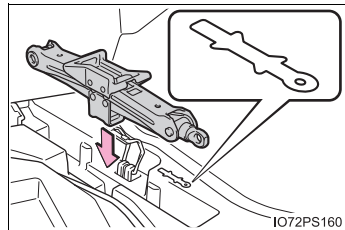
■ Jack point

The mark indicating the jack point is stamped on the underside of the vehicle.



■ Storing the jack

Place the jack in the same direction as the mark next to the storage space.



 **WARNING**
■ When using the compact spare tire (if equipped)

- Remember that the spare tire provided is specifically designed for use with your vehicle. Do not use your spare tire on another vehicle.
- Do not use more than one compact spare tire simultaneously.
- Replace the 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 (if equipped)

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- | | |
|-------------------------------|---|
| • ABS & Brake assist | • Dynamic radar cruise control with full-speed range* |
| • VSC | • Cruise control* |
| • TRC | • BSM (Blind Spot Monitor)* |
| • EPS | • Toyota parking assist monitor* |
| • AHB (Automatic High Beam)* | • Navigation system* |
| • PCS (Pre-Collision System)* | |
| • LTA (Lane Tracing Assist)* | |

*: If equipped


■ Speed limit when using the compact spare tire (if equipped)

Do not drive at speeds in excess of 80 km/h (50 mph) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

■ After using the tools and jack

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

 NOTICE**■ Be careful when driving over bumps with the compact spare tire installed on the vehicle. (if equipped)**

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 (if equipped)

- Temporary spare tires fitted to this vehicle must have a maximum load rating of not less than 750 kg or a load index of 98 and a speed category symbol of not less than M (130 km/h).
- Do not fit tire chains to the compact spare tire.
Tire chains may damage the vehicle body and adversely affect driving performance.

■ Handling the decorative resin parts (for vehicles equipped with 17-inch wheels)

→P. 371

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. 206)

One of the following may be the cause of the problem:

- The electronic key may not be functioning properly.* (→P. 492)
- There may not be sufficient fuel in the vehicle's tank.
Refuel the vehicle. (→P. 71)
- There may be a malfunction in the immobilizer system.* (→P. 75)
- There may be a malfunction in the shift control system.*
(→P. 209, 456)
- The hybrid system may be malfunctioning due to an electrical problem such as electronic key battery depletion or a blown fuse. However, depending on the type of malfunction, an interim measure is available to start the hybrid system. (→P. 491)

*: It may not be possible to shift the shift position other than P.

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. 495)
- The 12-volt battery terminal connections may be loose or corroded.
(→P. 392)

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. 495)
- One or both of the 12-volt battery terminals may be disconnected. (→P. 392)

Contact your Toyota dealer if the problem cannot be repaired, or if repair procedures are unknown.

Emergency start function

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 Set the parking brake.
- 2 Turn the power switch to ACCESSORY mode.
- 3 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 the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P. 164) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors can be opened and the hybrid system can be started by following the procedure below.

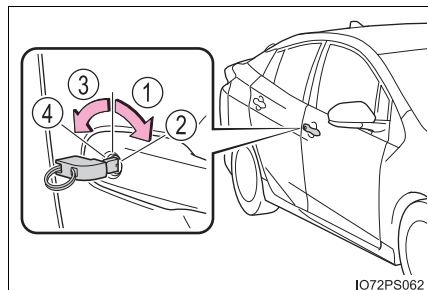
Locking and unlocking the doors

Use the mechanical key (→P. 147) in order to perform the following operations:

- ① Locks all the doors
- ② Closes the windows and moon roof*1 (turn and hold)*2
- ③ Unlocks all the doors
- ④ Opens the windows and moon roof*1 (turn and hold)*2

*1: If equipped

*2: This setting must be customized at your Toyota dealer. (→P. 522)

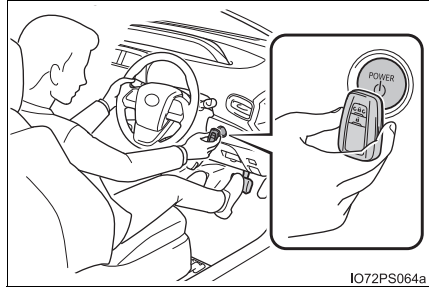



Starting the hybrid system

- 1 Depress the brake pedal.
- 2 Touch the Toyota emblem side of the electronic key to the power switch.

When the electronic key is detected, a buzzer sounds and the power switch will turn to ON mode.

When the smart entry & start system is deactivated in customization setting, the power switch will turn to ACCESSORY mode.



- 3 Firmly depress the brake pedal and check that  is shown on the multi-information display.



- 4 Press the power switch.

In the event that the hybrid system still cannot be operated, contact your Toyota dealer.

■ Stopping the hybrid system

Set the parking brake, shift the shift position to P 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. 419)

■ 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. 208)

■ When the electronic key does not work properly

- Make sure that the smart entry & start system has not been deactivated in the customization setting. If it is off, turn the function on. (Customizable features: →P. 522)
- Check if battery-saving mode is set. If it is set, cancel the function. (→P. 163)

**WARNING****■ When using the mechanical key and operating the power windows or moon roof (if equipped)**

Operate the power window or 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 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 moon roof.

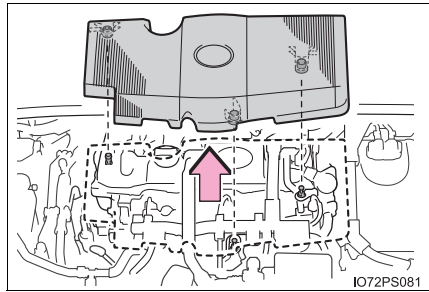
If the 12-volt battery is discharged

The following procedures may be used to start the hybrid system if the vehicle's 12-volt battery is discharged.

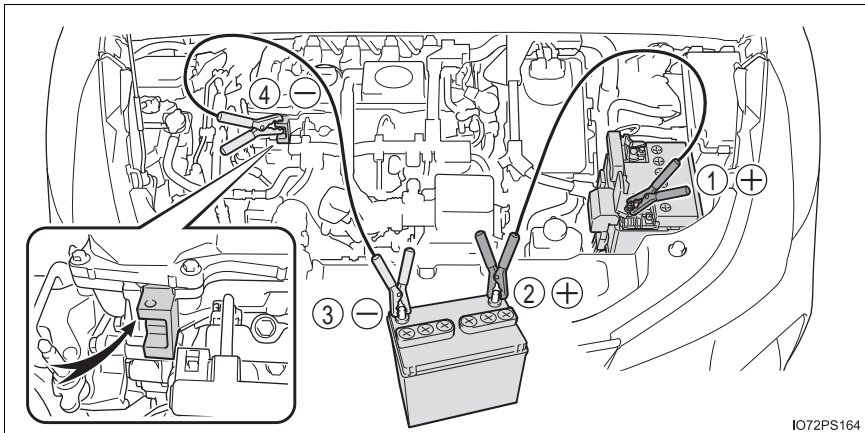
You can also call your Toyota dealer or a qualified repair shop.

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 Open the hood. (→P. 382)
- 2 Remove the engine cover.
Pull up the both ends of the cover vertically.



- 3 Connect the jumper cables according to the following procedure:
 - ① Connect a positive jumper cable clamp to the positive (+) battery terminal on your vehicle.
 - ② Connect the clamp on the other end of the positive cable to the positive (+) battery terminal on the second vehicle.
 - ③ Connect a negative cable clamp to the negative (-) battery terminal on the second vehicle.
 - ④ Connect the clamp at the other end of the negative cable to a solid, stationary, unpainted metallic point away from the 12-volt battery and any moving parts, as shown in the illustration.



- 4 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.
- 5 Maintain the engine speed of the second vehicle and start the hybrid system of your vehicle by turning the power switch to ON mode.
- 6 Make sure the "READY" indicator comes on. If the indicator light does not come on, contact your Toyota dealer.

- 7 Once the hybrid system has started, remove the jumper cables in the exact reverse order from which they were connected.
- 8 To install the engine cover, conduct the removal procedure in reverse. After installing, check that the fixed pins are inserted securely.

Once the hybrid system starts, have the vehicle inspected at your Toyota dealer as soon as possible.

■ **When opening the cover of the positive (+) battery terminal**

→P. 393

■ **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. 530)

■ **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 entry & start system when the 12-volt battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The hybrid system may not start on the first attempt after the 12-volt battery has recharged but will start normally after the second attempt. This is not a malfunction.
- The power switch mode is memorized by the vehicle. When the 12-volt battery is reconnected, the system will return to the mode it was in before the 12-volt battery was discharged. Before disconnecting the 12-volt battery, turn the power switch off.
If you are unsure what mode the power switch was in before the 12-volt battery discharged, be especially careful when reconnecting the 12-volt battery.
- If the 12-volt battery discharges while the shift position is in P, it may not be possible to shift the shift position to other positions. In this case, the vehicle cannot be towed without lifting both front wheels because the front wheels will be locked. (→P. 438)

■ 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 (LN1), 20 hour rate capacity (20HR) is equivalent (45Ah) or greater, and performance rating (CCA) is equivalent (295A) or greater.
 - If the sizes differ, the 12-volt battery cannot be properly secured.
 - If the 20 hour rate capacity is low, even if the time period where the vehicle is not used is a short time, the 12-volt battery may discharge and the hybrid system may not be able to start.
- For details, consult your Toyota dealer.

 **WARNING****■ When removing the 12-volt battery terminals**

Always remove the negative (-) terminal first. If the positive (+) terminal contacts any metal in the surrounding area when the positive (+) terminal is removed, a spark may occur, leading to a fire in addition to electrical shocks and death or serious injury.

■ Avoiding 12-volt battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the 12-volt battery:

- Make sure each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the other end of the jumper cable connected to the “+” terminal to come into contact with any other parts or metal surfaces in the area, such as brackets or unpainted metal.
- Do not allow the + and - clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the 12-volt battery.

■ 12-volt battery precautions

The 12-volt battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the 12-volt battery:

- When working with the 12-volt battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the 12-volt battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the 12-volt battery support, terminals, and other battery-related parts.
- Do not allow children near the 12-volt battery.

**NOTICE****■ When handling jumper cables**

When connecting the jumper cables, ensure that they do not become entangled in the cooling fans, etc.

If your vehicle overheats

The following may indicate that your vehicle is overheating.

- The high coolant temperature warning light (→P. 447) comes on or flashes, or a loss of hybrid system power is experienced. (For example, the vehicle speed does not increase.)
- “Hybrid System Overheated” 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 or flashes

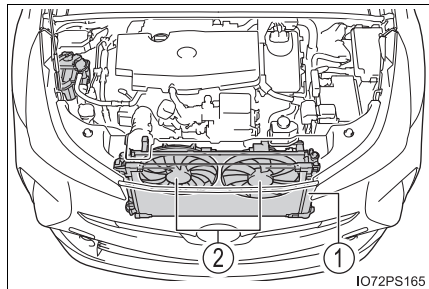
- 1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the hybrid system.
- 2 If you see steam:
Carefully lift the hood after the steam subsides.

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.

① Radiator

② Cooling fans

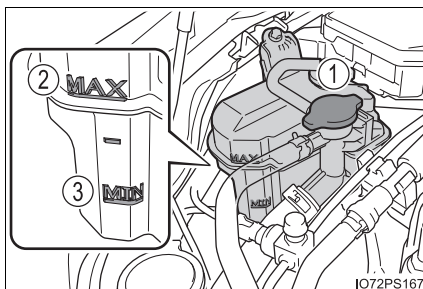
If a large amount of coolant leaks, immediately contact your Toyota dealer.



IO72PS165

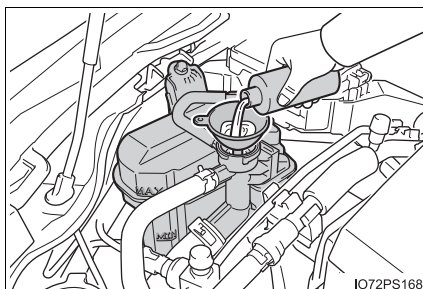
- 4 The coolant level is satisfactory if it is between the “MAX” and “MIN” lines on the reservoir.

- ① Reservoir
- ② “MAX” line
- ③ “MIN” line



- 5 Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.



- 6 Start the hybrid system and turn the air conditioning system on to check that the radiator cooling fans operate and to check for coolant leaks from the radiator or hoses.

The fans operate when the air conditioning system is turned on immediately after a cold start. Confirm that the fans are operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly. (The fans may not operate in freezing temperatures.)

- 7 If the fans are not operating:
Stop the hybrid system immediately and contact your Toyota dealer.

If the fans are operating:

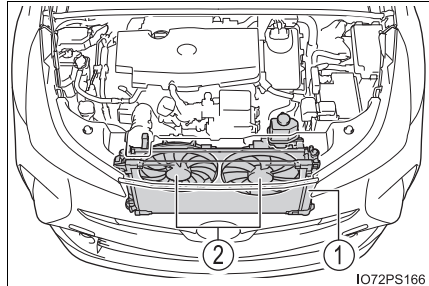
Have the vehicle inspected at the nearest Toyota dealer.

■ If “Hybrid System Overheated” 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.

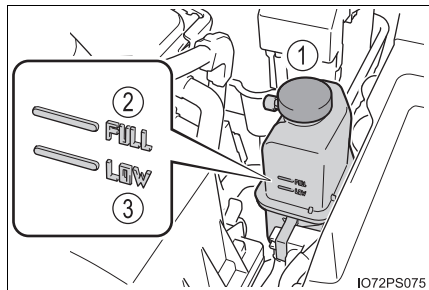
- ① Radiator
- ② Cooling fans

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.

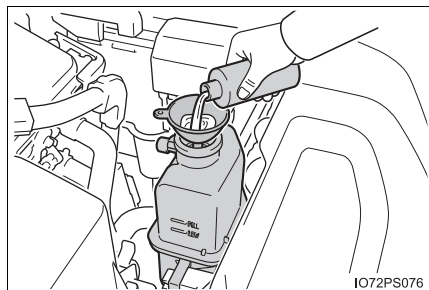
- ① Reservoir
- ② “FULL” line
- ③ “LOW” line



- 5 Add coolant if necessary.

Water can be used in an emergency if 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 if “Hybrid System Overheated” 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:

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

■ **To prevent an accident or injury 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 “Accessory”, “Ignition ON” or mileage display (→P. 94) on the main display and the “READY” indicator are off.

When the hybrid system is operating, the gasoline engine may automatically start, or the cooling fans 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 caps while the hybrid system and radiator are hot.

High temperature steam or coolant could spray out.



NOTICE

■ When adding engine/power control unit coolant

Add coolant slowly after the hybrid system has cooled down sufficiently. Adding cool coolant to a hot hybrid system too quickly can cause damage to the hybrid system.

■ To prevent damage to the cooling system

Observe the following precautions:


- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use any coolant additive.

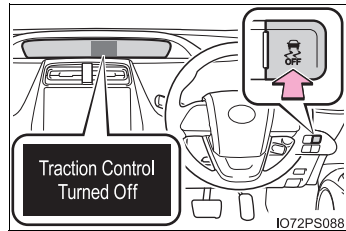
If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

- 1 Set the parking brake and shift the shift position to P. Stop the hybrid system.
- 2 Remove the mud, snow or sand from around the front wheels.
- 3 Place wood, stones or some other material under the front wheels to help provide traction.
- 4 Restart the hybrid system.
- 5 Shift the shift position 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  to turn off TRC. (→P. 317)



 **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 changing the shift position

Be careful not to change the shift position with the accelerator pedal depressed.

This may lead to unexpected rapid acceleration of the vehicle that may cause an accident resulting in death or serious injury.

 **NOTICE****■ To avoid damage to the hybrid transmission and other components**

- Avoid spinning the front wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

Vehicle specifications

8

8-1. Specifications

Maintenance data
(fuel, oil level, etc.).....510

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8-2. Customization

Customizable features522

8-3. Initialization

Items to initialize530

Maintenance data (fuel, oil level, etc.)

Dimensions

Overall length		4575 mm (180.1 in.)
Overall width		1760 mm (69.3 in.)
Overall height* ¹	Without raised vehicle height	1470 mm (57.9 in.)
	With raised vehicle height	1490 mm (58.7 in.)
Wheelbase		2700 mm (106.3 in.)
Tread* ¹	Front	1530 mm (60.2 in.) ^{*2}
		1510 mm (59.4 in.) ^{*3}
	Rear	Without raised vehicle height
With raised vehicle height		1530 mm (60.2 in.) ^{*2} 1510 mm (59.4 in.) ^{*3}

*1: Unladen vehicle

*2: Vehicles with 195/65R15 tires

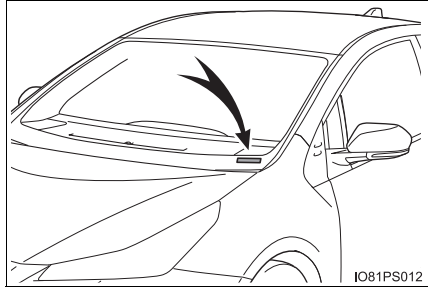
*3: Vehicles with 215/45R17 tires

Vehicle identification

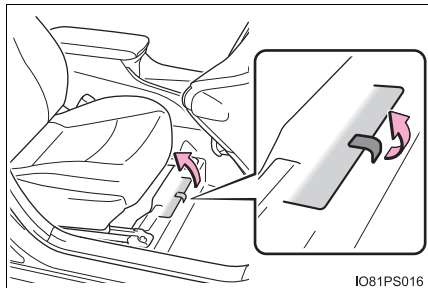
■ Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

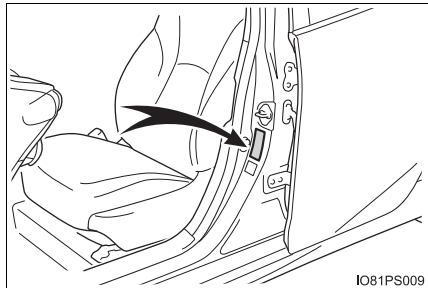
This number is on the top left of the instrument panel.



This number is also stamped under the right-hand front seat.

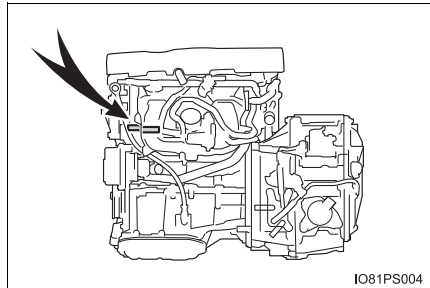


This number is also on the manufacturer's label.



■ Engine number

The engine number is stamped on the engine block as shown.

**Engine**

Model	2ZR-FXE
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	80.5 × 88.3 mm (3.17 × 3.48 in.)
Displacement	1798 cm ³ (109.7 cu.in.)
Valve clearance	Automatic adjustment

Fuel

Fuel type	Unleaded gasoline only
Research Octane Number	91 or higher
Fuel tank capacity (Reference)	43 L (11.4 gal., 9.5 Imp.gal.)

Electric motor (traction motor)

Type	Permanent magnet synchronous motor
Maximum output	53 kW
Maximum torque	163 N•m (16.6 kgf•m, 120.2 ft•lbf)

Hybrid battery (traction battery)

Type	Nickel-Metal hydride battery
Voltage	7.2 V/module
Capacity	6.5 Ah (3HR)
Quantity	28 modules
Nominal voltage	201.6 V

Lubrication system

■ Oil capacity (Drain and refill [Reference*])

With filter	4.2 L (4.4 qt., 3.7 Imp.qt.)
Without filter	3.9 L (4.1 qt., 3.4 Imp.qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Park the vehicle on level ground. After warming up the engine and turning 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:

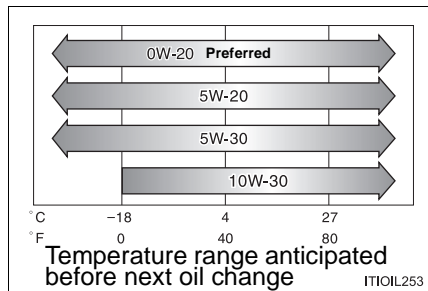
0W-20, 5W-20, 5W-30 and 10W-30:

API grade SL “Energy-Conserving”, SM “Energy-Conserving”, SN “Resource-Conserving”, SN PLUS “Resource-Conserving” or SP “Resource-Conserving”; or ILSAC GF-6A multigrade engine oil

Recommended viscosity (SAE):

SAE 0W-20 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 0W-20, 5W-20 or 5W-30 engine oil is recommended.



Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

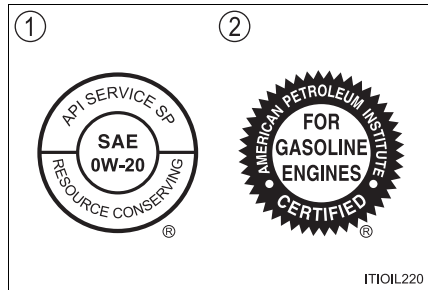
Either or both API registered marks are added to some oil containers to help you select the oil you should use.

① API Service Symbol

Top portion: "API SERVICE SP" means the oil quality designation by American Petroleum Institute (API).

Center portion: "SAE 0W-20" means the SAE viscosity grade.

Lower portion: "Resource-Conserving" means that the oil has fuel-saving and environmental protection capabilities.



② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

Cooling system

Capacity *	Gasoline engine	5.6 L (5.9 qt., 4.9 Imp.qt.)
	Power control unit	1.4 L (1.5 qt., 1.2 Imp.qt.)
Coolant type	Use either of the following: <ul style="list-style-type: none"> • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.	

*: The coolant capacity is a reference quantity.

If replacement is necessary, contact your Toyota dealer.

Ignition system (spark plug)

Make	DENSO FC16HR-CY9
Gap	0.9 mm (0.035 in.)



NOTICE

■ Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

Electrical system (12-volt battery)

Specific gravity reading at 20°C (68°F):		1.25 or higher If the specific gravity is lower than the standard value, charge the battery.
Charging rates	Quick charge	15 A max.
	Slow charge	5 A max.

Transmission

Fluid capacity*	3.6 L (3.8 qt., 3.2 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**
 **Transmission fluid type**

Using transmission fluid other than the above type may cause abnormal noise or vibration, or ultimately damage the transmission of your vehicle.

Brakes

Pedal clearance* ¹	117 mm (4.61 in.) Min.
Pedal free play	1.0 — 6.0 mm (0.04 — 0.24 in.)
Parking brake pedal travel* ²	8 — 11 clicks
Fluid type	SAE J1703 or FMVSS No.116 DOT 3 or SAE J1704 or FMVSS No.116 DOT 4

*¹: Minimum pedal clearance when depressed with a force of 300 N (30.6 kgf, 67.4 lbf) while the hybrid system is operating.

*²: Parking brake pedal travel when depressed with a force of 300 N (30.6 kgf, 67.4 lbf).

Steering

Free play	Less than 30 mm (1.2 in.)
-----------	---------------------------

Tires and wheels

► 15-inch tires

Tire size		195/65R15 91H
Tire inflation pressure (Recommended cold tire inflation pressure)	Front	250 kPa (2.5 kgf/cm ² or bar, 36 psi)
	Rear	240 kPa (2.4 kgf/cm ² or bar, 35 psi)
Wheel size		15 × 6 1/2J
Wheel nut torque		103 N•m (10.5 kgf•m, 76 ft•lbf)

► 17-inch tires

Tire size		215/45R17 87W
Tire inflation pressure (Recommended cold tire inflation pressure)	Front	220 kPa (2.2 kgf/cm ² or bar, 32 psi)
	Rear	210 kPa (2.1 kgf/cm ² or bar, 30 psi)
Wheel size		17 × 7J
Wheel nut torque		103 N•m (10.5 kgf•m, 76 ft•lbf)

► Compact spare tire (if equipped)

Tire size		T125/70D17 98M
Tire inflation pressure (Recommended cold tire inflation pressure)		420 kPa (4.2 kgf/cm ² or bar, 60 psi)
Wheel size		17 × 4T
Wheel nut torque		103 N•m (10.5 kgf•m, 76 ft•lbf)

Light bulbs

	Light bulbs	W	Type
Exterior	Rear turn signal lights	21	A
	Back-up lights	16	B
Interior	Vanity lights	8	B
	Front interior/personal lights	5	B
	Rear interior light	8	C
	Door courtesy lights	5	B
	Luggage compartment light	5	B

A: Wedge base bulbs (amber)

B: Wedge base bulbs (clear)

C: Double end bulbs

Fuel information

You must only use unleaded gasoline.

Select unleaded gasoline with a Research Octane Number of 91 or higher for optimum engine performance.

■ Use of ethanol blended gasoline in a gasoline engine

Toyota allows the use of ethanol blended gasoline where the ethanol content is up to 10%. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

■ If your engine knocks

- Consult your Toyota dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.



NOTICE

■ Notice on fuel quality

- Do not use improper fuels. If improper fuels are used, the engine will be damaged.
- Do not use gasoline with metallic additives, for example manganese, iron or lead, otherwise it may cause damage on your engine or emission control system.
- Do not add aftermarket fuel additives which contain metallic additives.
- Do not use the methanol blended gasoline such as M15, M85, M100. The use of gasoline containing methanol may cause engine damage or failure.

Customizable features














Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. The settings of these features can be changed by using the multi-information display, navigation/multimedia system, or at your Toyota dealer.


Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

Customizing vehicle features

When customizing vehicle features, ensure that the vehicle is parked in a safe place with the parking brake set and the shift position in P.

■ Changing using the multi-information display

- 1 Press  or  of the meter control switches, select .
- 2 Press  or  of the meter control switches, select  ("Vehicle Settings"), and then press .
- 3 Press  or  of the meter control switches, select the item, and then press .
- 4 Press  or  of the meter control switches, select the desired setting, and then press .

To go back to the previous screen or exit the customize mode, press .

■ Changing using the navigation/multimedia system

- 1 Press the "MENU" button.
- 2 Select "Setup" on the "Menu" screen.
- 3 Select "Vehicle" on the "Setup" screen and select "Vehicle customization".

Various settings can be changed. Refer to the list of settings that can be changed for details.

Customizable features

- ① Settings that can be changed using the multi-information display
- ② Settings that can be changed using the navigation/multimedia system
- ③ Settings that can be changed by your Toyota dealer

Definition of symbols: O = Available, – = Not available

■ Instrument cluster (→P. 78)

Function	Default setting	Customized setting	①	②	③
Sensor sensitivity for darkening the brightness of the instrument cluster depending on the outside brightness	Standard	-2 to 2	–	–	O
Sensor sensitivity for returning the brightness of the instrument cluster to the original level depending on the outside brightness	Standard	-2 to 2	–	–	O

■ HUD (Head-up display)* (→P. 132)

Function	Default setting	Customized setting	①	②	③
Route guidance*	On	Off	O	–	–

*: If equipped

■ Smart entry & start system and wireless remote control (→P. 151, 161)

Function	Default setting	Customized setting	①	②	③
Operation signal (buzzer)	5	Off	-	O	O
		1 to 7			
Operation signal (emergency flashers)	On	Off	-	O	O
Open door reminder buzzer (When locking the vehicle)	On	Off	-	-	O
Time elapsed before the automatic door lock function is activated if a door is not opened after being unlocked	30 seconds	60 seconds	-	-	O
		120 seconds			

■ Smart entry & start system (→P. 161)

Function	Default setting	Customized setting	①	②	③
Smart entry & start system	On	Off	-	O	O
Number of consecutive door lock operations	2 times	As many as desired	-	-	O

■ Wireless remote control (→P. 151)

Function	Default setting	Customized setting	①	②	③
Wireless remote control	On	Off	-	-	O

■ Rear seat reminder (→P. 154)

Function	Default setting	Customized setting	①	②	③
Rear seat reminder function	On	Off	O	-	-

■ Outside rear view mirrors (→P. 181)

Function	Default setting	Customized setting	①	②	③
Automatic mirror folding and extending operation	Linked to the locking/unlocking of the doors	Off			
		Linked to operation of the power switch	–	–	○

■ Power windows and moon roof* (→P. 183, 187)

Function	Default setting	Customized setting	①	②	③
Mechanical key linked operation (open)	Off	On	–	–	○
Mechanical key linked operation (close)	Off	On	–	–	○
Wireless remote control linked operation (open)	Off	On	–	–	○
Wireless remote control linked operation (close)	Off	On	–	–	○
Wireless remote control linked operation signal (buzzer)	On	Off	–	–	○

*: If equipped

■ Reverse warning buzzer (→P. 215)

Function	Default setting	Customized setting	①	②	③
Signal (buzzer) when the shift position is in R	Off	Intermittent	–	–	○

■ Turn signal lever (→P. 221)

Function	Default setting	Customized setting	①	②	③
Times of flashing of the lane change signal flashers	3	Off			
		5	–	–	○
		7			

■ Automatic light control system (→P. 223)

Function	Default setting	Customized setting	①	②	③
Light sensor sensitivity	Level 0	Level -2 to 2	–	○	○
Time elapsed before headlights automatically turn on or off (When the headlight switch is in <small>AUTO</small> position)	Standard	Long	–	–	○
Time elapsed before the headlights turn off	30 seconds	Off	–	–	○
		60 seconds			
		90 seconds			

■ Rain-sensing windshield wipers* (→P. 231)

Function	Default setting	Customized setting	①	②	③
Wiper operation when the wiper switch is in the <small>AUTO</small> position	Rain-sensing operation	Intermittent operation linked to vehicle speed (with interval adjuster)	–	–	○

*: If equipped

■ RSA (Road Sign Assist)*¹ (→P. 275)

Function	Default setting	Customized setting	①	②	③
RSA (Road Sign Assist)* ²	On	Off	O	-	-
Excess speed notification method* ³	Display only	No notification	O	-	-
		Display and buzzer			
Excess speed notification level	1 km/h (1 mph)	3 km/h (2 mph)	O	-	-
		5 km/h (3 mph)			

*¹: If equipped

*²: RSA (Road Sign Assist) function becomes On when the power switch is turned to ON mode.

*³: If a speed limit with supplemental mark is exceed, the notification buzzer does not operate.

■ BSM (Blind Spot Monitor)* (→P. 302)

Function	Default setting	Customized setting	①	②	③
Outside rear view mirror indicator brightness	Bright	Dim	-	-	O

*: If equipped

■ Automatic air conditioning system (→P. 330)

Function	Default setting	Customized setting	①	②	③
Switching between outside air and recirculated air mode linked to A/C auto switch operation	On	Off	-	O	O

■ Illumination (→P. 342)

Function	Default setting	Customized setting	①	②	③
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
Interior lights illumination control	On	Off	-	-	O

■ **In the following situations, customize mode will automatically be turned off.**

- A warning message appears after the customize mode screen is displayed.
- The power switch is turned off.
- The vehicle begins to move while the customize mode screen is displayed.



WARNING

■ **Cautions 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.

Items to initialize

The following items must be initialized for normal system operation after such cases as the 12-volt battery being reconnected, or maintenance being performed on the vehicle.

Item	When to initialize	Reference
Power window	When functioning abnormally	P. 184
Moon roof (if equipped)	When functioning abnormally	P. 189

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For vehicles with navigation or multimedia system, refer to the “Navigation and Multimedia System Owner’s Manual” for information regarding the equipment listed below.

- Navigation system
- Audio/visual system
- Hands-free system (for cellular phone)
- Toyota parking assist monitor

What to do if... (Troubleshooting)

If you have a problem, check the following before contacting your Toyota dealer.

The doors cannot be locked, unlocked, opened or closed



You lose your keys

- If you lose your mechanical keys, new genuine mechanical keys can be made by your Toyota dealer. (→P. 147)
- If you lose your electronic keys, the risk of vehicle theft increases significantly. Contact your Toyota dealer immediately. (→P. 150)



The doors cannot be locked or unlocked

- Is the electronic key battery weak or depleted? (→P. 419)
- Is the power switch in ON mode?
When locking the doors, turn the power switch off. (→P. 208)
- 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. 164)



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. 154)

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. 206)
- Is the shift position in P? (→P. 216)
- Is the electronic key anywhere detectable inside the vehicle? (→P. 162)
- Is the electronic key battery weak or depleted?
In this case, the hybrid system can be started in a temporary way. (→P. 493)
- Is the 12-volt battery discharged? (→P. 495)

**The windows do not open or close by operating the power window switches**

- Is the window lock switch pressed?
The power windows except for the one at the driver's seat cannot be operated if the window lock switch is pressed. (→P. 183)

**The power switch is turned off automatically**

- The auto power off function will be operated if the vehicle is left in ACCESSORY or ON mode (the hybrid system is not operating) for a period of time. (→P. 208)



A warning buzzer sounds during driving

- The seat belt reminder light is flashing
Are the driver and the front passenger wearing the seat belts? (→P. 448)
- The parking brake indicator is on
Is the parking brake released? (→P. 222)

Depending on the situation, other types of warning buzzer may also sound.
(→P. 445, 450)



A warning buzzer sounds when leaving the vehicle

- Is the electronic key left inside the vehicle?
Check the message on the multi-information display. (→P. 450)



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. 445, 450.

When a problem has occurred



If you have a flat tire

- Vehicles without spare tire
Stop the vehicle in a safe place and repair the flat tire temporarily with the emergency tire puncture repair kit. (→P. 458)
- Vehicles with spare tire
Stop the vehicle in a safe place and replace the flat tire with the spare tire. (→P. 476)



The vehicle becomes stuck

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P. 506)

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*: Refer to "Navigation and Multimedia System Owner's Manual".

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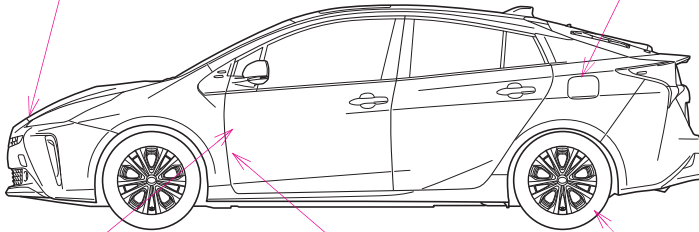
GAS STATION INFORMATION

Auxiliary catch lever

P. 382

Fuel filler door

P. 239



IOPPS049a

Fuel filler door opener

P. 239

Hood lock release lever

P. 382

Tire inflation pressure

P. 519

Fuel tank capacity (Reference)	43 L (11.4 gal., 9.5 Imp.gal.)	
Fuel type	Unleaded gasoline only	P. 513
Cold tire inflation pressure		P. 519
Engine oil capacity (Drain and refill — reference)	With filter	4.2 L (4.4 qt., 3.7 Imp.qt.)
	Without filter	3.9 L (4.1 qt., 3.4 Imp.qt.)
Engine oil type	“Toyota Genuine Motor Oil” or equivalent Oil grade: 0W-20, 5W-20, 5W-30 and 10W-30: API grade SL “Energy-Conserving”, SM “Energy-Conserving”, SN “Resource-Conserving”, SN PLUS “Resource-Conserving” or SP “Resource-Conserving”; or ILSAC GF-6A multigrade engine oil P. 514	

