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How to read the gauges and meters, the variety of warning lights and indicators, etc.

3 Operation of each component

Opening and closing the doors and windows, adjustment before driving, etc.

4 Driving

Operations and advices which are necessary for driving

5 Interior features

Usage of the interior features, etc.

6 Maintenance and care

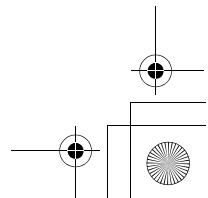
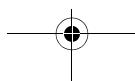
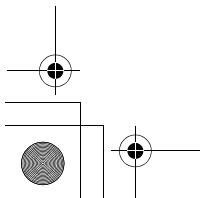
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7 When trouble arises

What to do in case of malfunction or emergency

8 Vehicle information

Vehicle specifications, customizable functions, etc.

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For your information

Main Owner's Manual

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

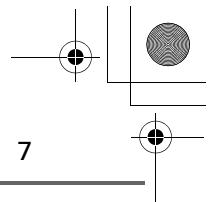
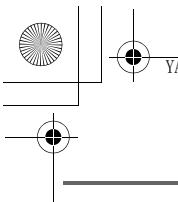
All specifications provided in this manual are current at the time of printing. However, because of the Toyota policy of continual product improvement, we reserve the right to make changes at any time without notice.

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

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.



Vehicle data recording

The vehicle is equipped with multiple computers for controlling the vehicle, and records data related to vehicle control and operation.

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

These computers do not record audio such as conversations or images inside the vehicle.

●Data usage

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

Except in the following cases, Toyota will not disclose or provide the acquired data to third parties.

- With the consent of the vehicle owner or with the consent of the lessor 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 in research institutions, where the data is not tied to a specific vehicle or vehicle owner

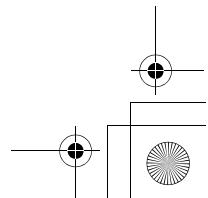
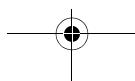
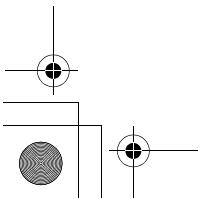
Event Data Recorder

This vehicle is equipped with an Event Data Recorder (EDR). The main purpose of the EDR is to record, in certain crash or crash-like situations, such as an SRS airbag deployment or hitting a road obstacle, data that will assist in understanding how vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time. 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 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 Toyota, 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:

- 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

However, 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.

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*

● VSC

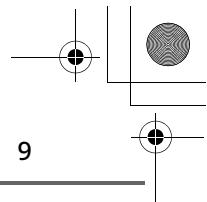
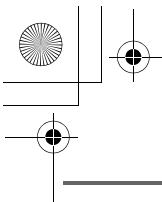
● SRS airbags

● Seat belt pretensioners

Be sure to check with your Toyota dealer for precautionary measures or instructions regarding installation to avoid negative effects.

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

*: If equipped



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

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

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.

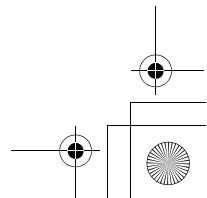
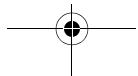
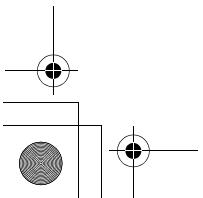
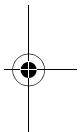
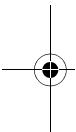
Defensive driving: Always drive defensively. Anticipate mistakes that other drivers or pedestrians might make and be ready to avoid accidents.

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 or other features of the vehicle. In addition, heat build-up or extremely cold temperatures inside the vehicle can be fatal to children.



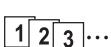
Reading this manual



WARNING Explains something that, if not obeyed, could cause death or serious injury to people.



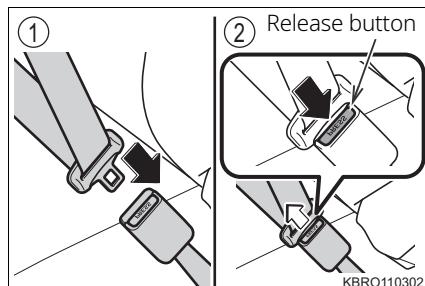
NOTICE Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.



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

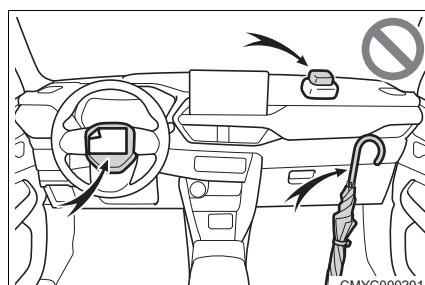
→ : Indicates the action (pushing, turning, etc.) used to operate switches and other devices.

⇒ : 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".



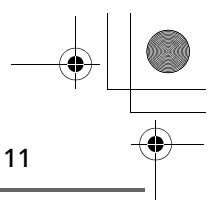
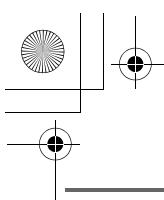
Difference in expression between gasoline vehicles and hybrid electric vehicles

The words specific to hybrid electric vehicles are described after the words specific to gasoline vehicles.

Example: Turn "ON" the engine switch*¹ <power switch>^{*2}.

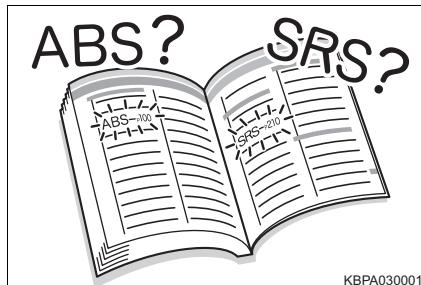
*¹ Gasoline vehicles

*² Hybrid electric vehicles

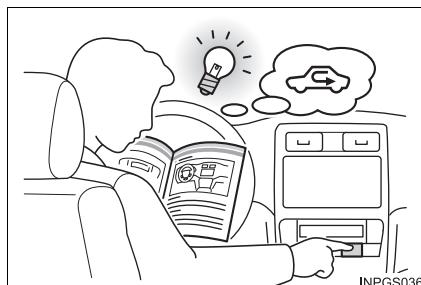


How to search

- ▶ Searching by name
 - Alphabetical index 599



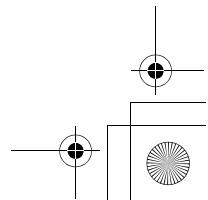
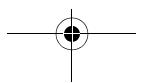
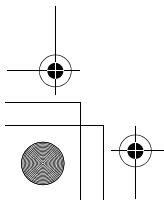
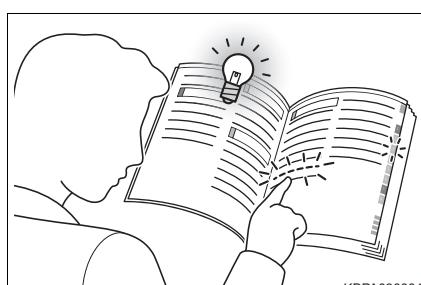
- ▶ Searching by installation position
 - Pictorial index 12



- ▶ Searching by symptom or sound
 - What to do if... (Troubleshooting) ... 596

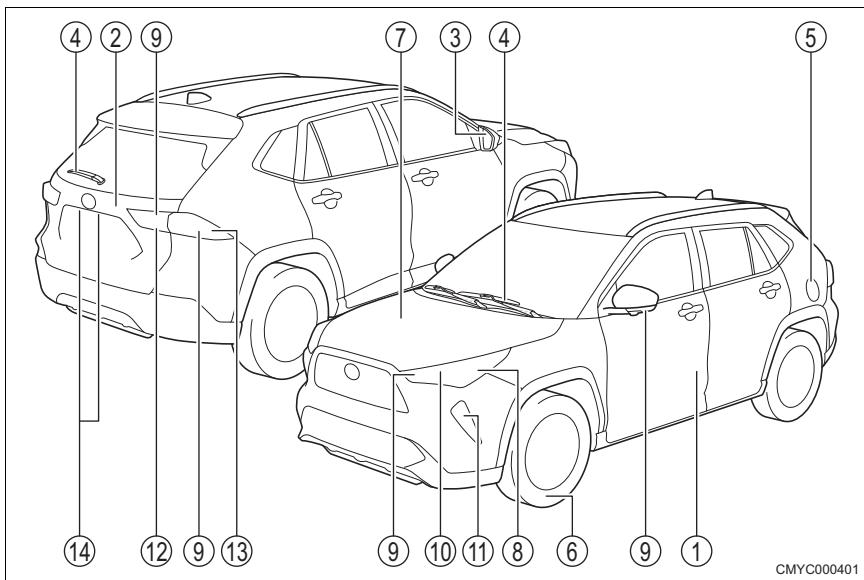


- ▶ Searching by title
 - Table of contents 2



Pictorial index

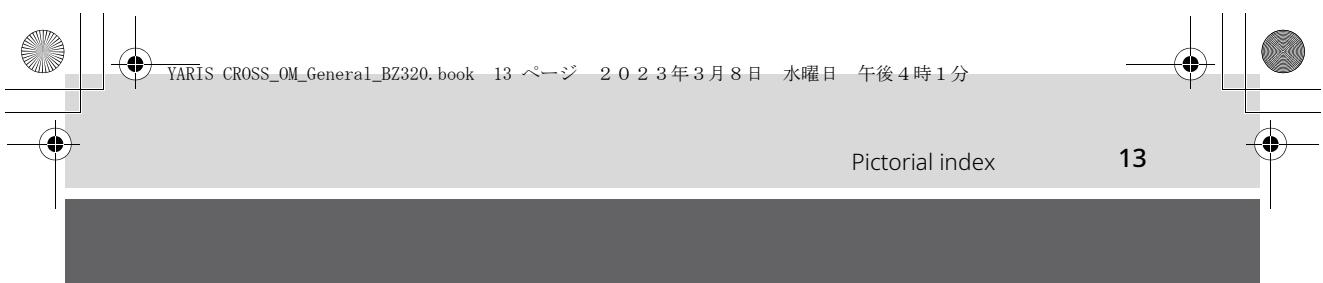
Exterior



Locations of the lights vary according to the vehicle grade level, etc.

- ① Doors** P. 153
 - Locking/unlocking P. 153
 - Opening and closing the windows P. 196
 - Locking/unlocking by using the mechanical key P. 561
 - Warning message P. 530
- ② Back door** P. 164
 - Locking/unlocking P. 143, 164
 - Power back door* P. 169
 - Warning message P. 530
- ③ Outside rear view mirrors** P. 193
 - Adjusting the mirror angle P. 193
 - Folding the mirrors P. 193
- ④ Wipers** P. 262, 265
 - Precautions against winter season P. 387
 - Replacing the wiper rubbers P. 494

*: If equipped



⑤ Fuel filler door	P. 267
Refueling method	P. 267
Fuel type/fuel tank capacity	P. 579
⑥ Tires	P. 477
Tire size/inflation pressure	P. 585
Winter tires/tire chains	P. 387
Checking/rotation/tire pressure warning system*	P. 477
Dealing with flat tires	P. 549
⑦ Hood	P. 460
Opening	P. 460
Engine oil	P. 580
Coping with overheating	P. 571

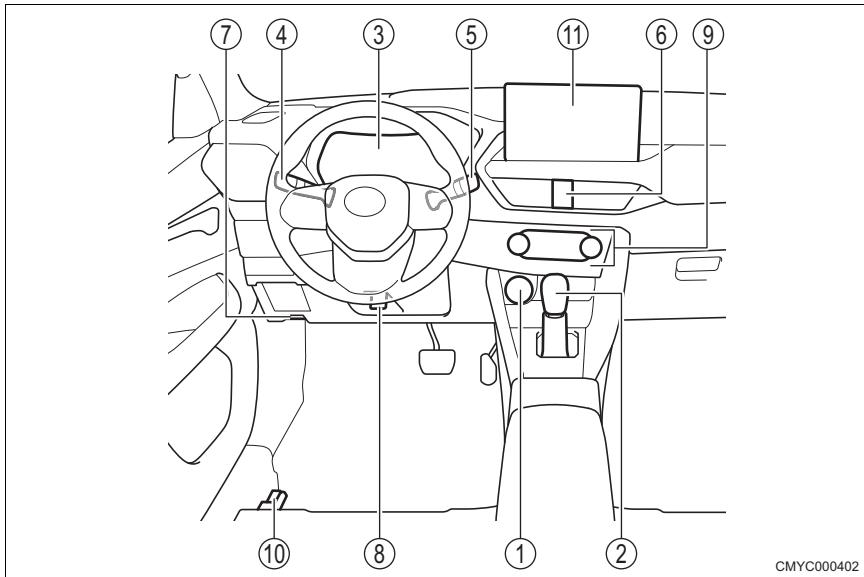
Light bulbs of the exterior lights for driving

(Replacing method: P. 505)

⑧ Headlights	P. 252
⑨ Turn signal lights	P. 242
⑩ Front position lights/daytime running lights	P. 252
⑪ Front fog lights	P. 261
⑫ Tail lights	P. 252
Back-up lights	
Setting the shift position to R	P. 231, 237, 239
⑬ Tail lights	P. 252
Stop lights	
⑭ License plate lights	P. 252

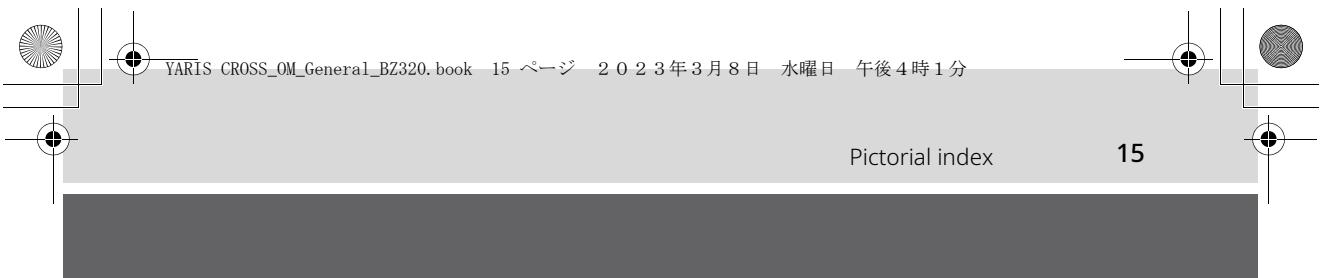
*: If equipped

Instrument panel (Left-hand drive vehicles)



- ① Engine switch (gasoline vehicles)** **P. 218**
 - Engine start/mode switching P. 218
 - Emergency stop of the engine P. 509
 - When the engine will not start P. 559
 - Warning message P. 530
- Power switch (hybrid electric vehicles)..... P. 223**
 - Starting the hybrid system/changing the modes P. 223
 - Emergency stop of the hybrid system P. 509
 - When the hybrid system will not start P. 560
 - Warning message P. 530
- ② Shift lever..... P. 231, 237, 239**
 - Changing the shift position P. 231, 237, 239
 - Precautions against towing P. 514
 - When the shift lever does not move* P. 234, 240

*: If equipped

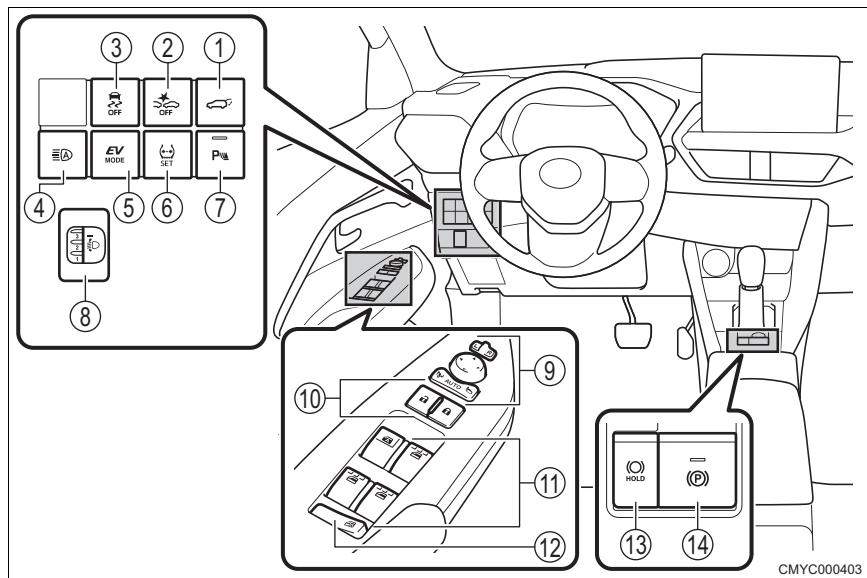


③ Meter	P. 94
How to read/adjust the brightness	P. 100, 119
Warning lights and indicators	P. 86
When the warning lights come on	P. 522
TFT color multi-information display	P. 96, 112
Display contents	P. 96, 112
When warning messages are displayed	P. 530
④ Turn signal lever	P. 242
Headlight switch	P. 252
Headlights/front position lights/tail lights/daytime running lights	P. 252
Front fog lights	P. 261
⑤ Wipers and washer switch	P. 262, 265
Usage	P. 262, 265
Adding washer fluid	P. 476
⑥ Emergency flashers switch	P. 508
⑦ Hood lock release lever	P. 460
⑧ Steering wheel position adjustment lever	P. 189
⑨ Air conditioning system	P. 392, 400
Operation method	P. 393, 401
Defogging the rear window (Rear window defogger)	P. 395, 403
⑩ Fuel tank opening lever	P. 269
⑪ Audio system**	

* Refer to the instruction manual included with the audio system.

*: If equipped

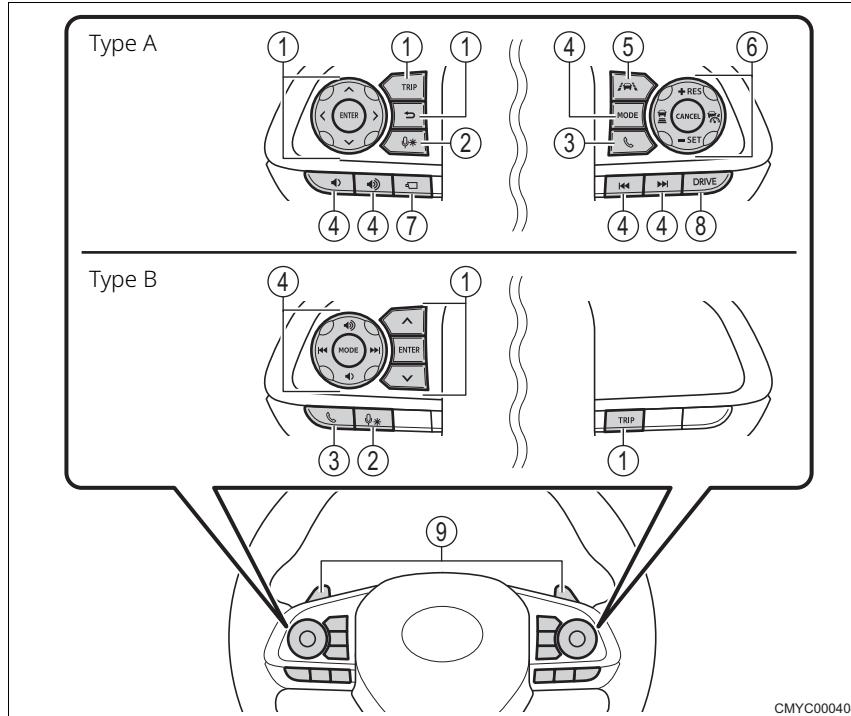
Switches (Left-hand drive vehicles)



- ① Power back door switch* P. 169
- ② Toyota Safety Sense OFF switch* P. 274
- ③ VSC/TRC OFF switch P. 379
- ④ AHB switch* P. 257
- ⑤ EV drive mode switch* P. 228
- ⑥ Tire pressure warning reset switch* P. 479
- ⑦ Corner sensor/Reverse sensor switch* P. 359
- ⑧ Manual headlight leveling dial P. 254
- ⑨ Outside rear view mirror switch P. 193
- ⑩ Door lock switch P. 154
- ⑪ Power window switch P. 196
- ⑫ Window lock switch P. 196
- ⑬ Brake hold system switch P. 248
- ⑭ Parking brake switch P. 243
 - Engaging/releasing P. 243
 - Precautions against winter season P. 387
 - Warning buzzer/warning message P. 525, 537

*: If equipped

Steering switches (Left-hand drive vehicles)



CMYC000404

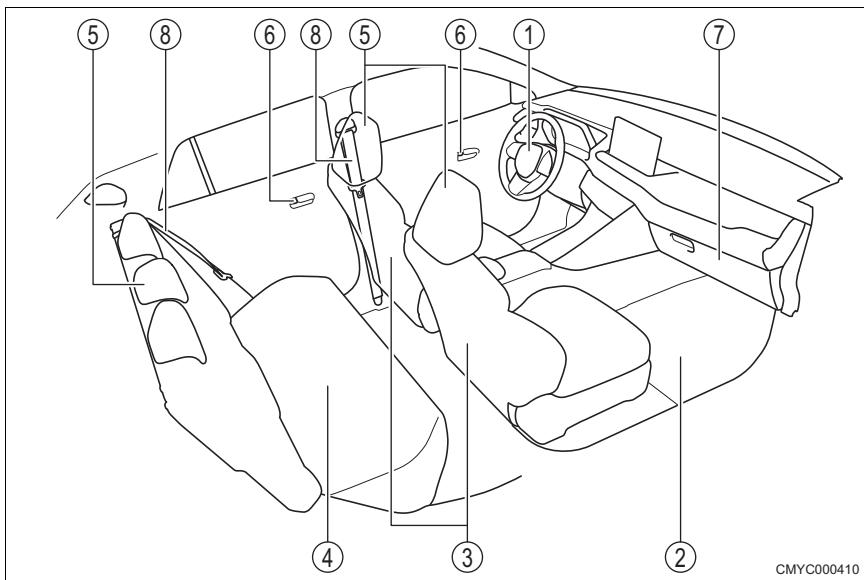
Locations of the steering switches vary according to the vehicle grade level, etc.

- ① Meter control switch* P. 97, 114
- ② Talk switch*
- ③ Telephone switch*
- ④ Audio control switch*
- ⑤ LKC switch* P. 344
- ⑥ Adaptive Cruise Control switch* P. 321
- ⑦ Camera switch* P. 371
- ⑧ Drive mode switch* P. 232, 240
- ⑨ Paddle shift switch* P. 234

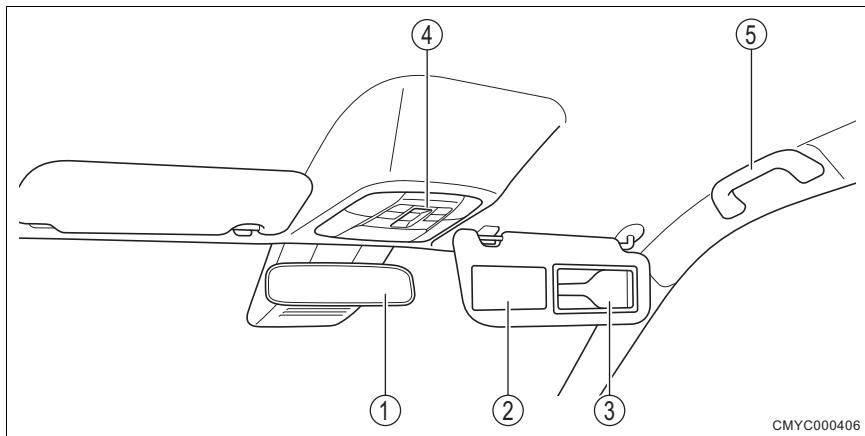
* Refer to the instruction manual included with the audio system.

*: If equipped

Interior (Left-hand drive vehicles)



- ① SRS airbags P. 37
- ② Floor mats P. 28
- ③ Front seats P. 182
- ④ Rear seats P. 184
- ⑤ Head restraints P. 187
- ⑥ Inside lock button P. 154
- ⑦ Glove box P. 416
- ⑧ Seat belts P. 32



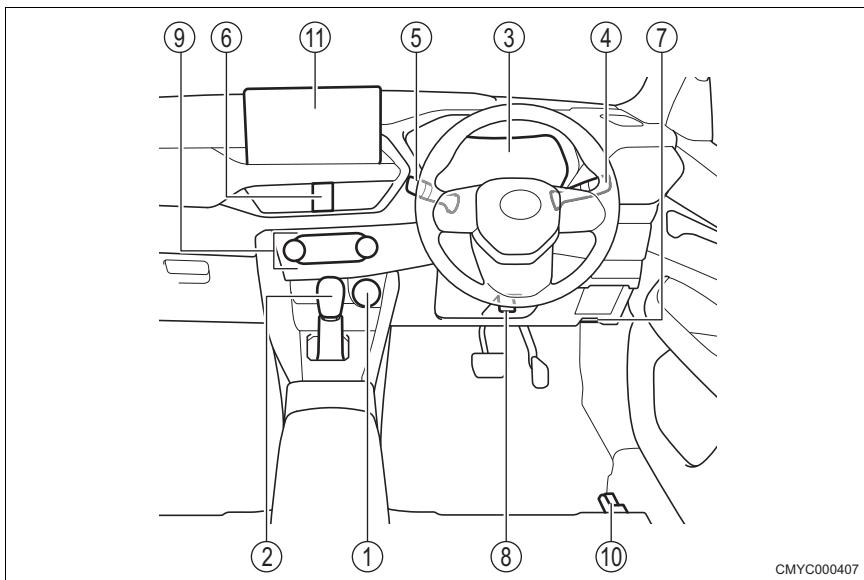
- ① Inside rear view mirror P. 191
- ② Sun visors* P. 425
- ③ Vanity mirror P. 425
- ④ Front personal lights P. 411
 - Interior light P. 411
 - Electric shade opening and closing switch* P. 439
- ⑤ Retractable assist grips P. 438

* 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. 54)



*: If equipped

Instrument panel (Right-hand drive vehicles)



CMYC000407

- ① Engine switch (gasoline vehicles) P. 218**

 - Engine start/mode switching P. 218
 - Emergency stop of the engine P. 509
 - When the engine will not start P. 559
 - Warning message P. 530

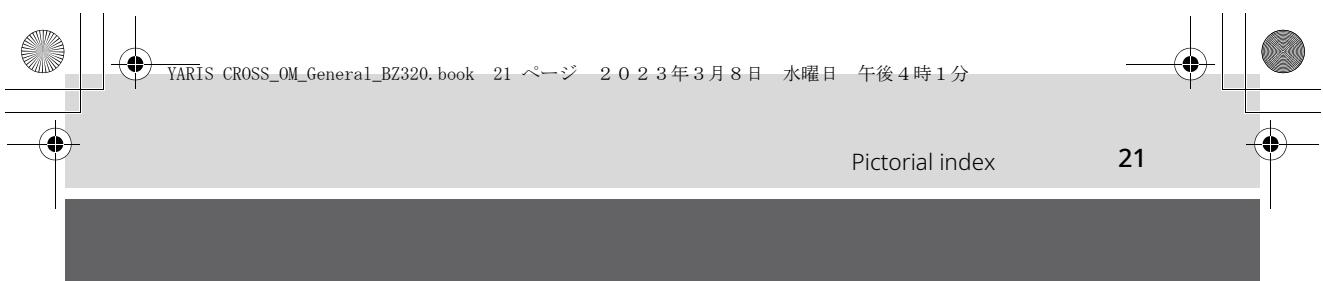
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- ② Shift lever P. 231, 237, 239**

 - Changing the shift position P. 231, 237, 239
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 - When the shift lever does not move* P. 234, 240

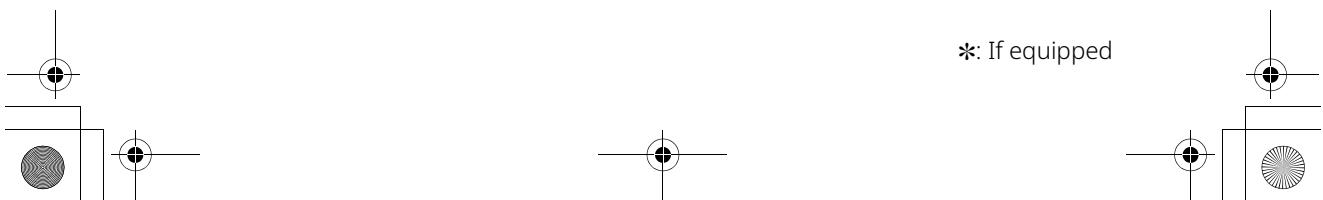
*: If equipped



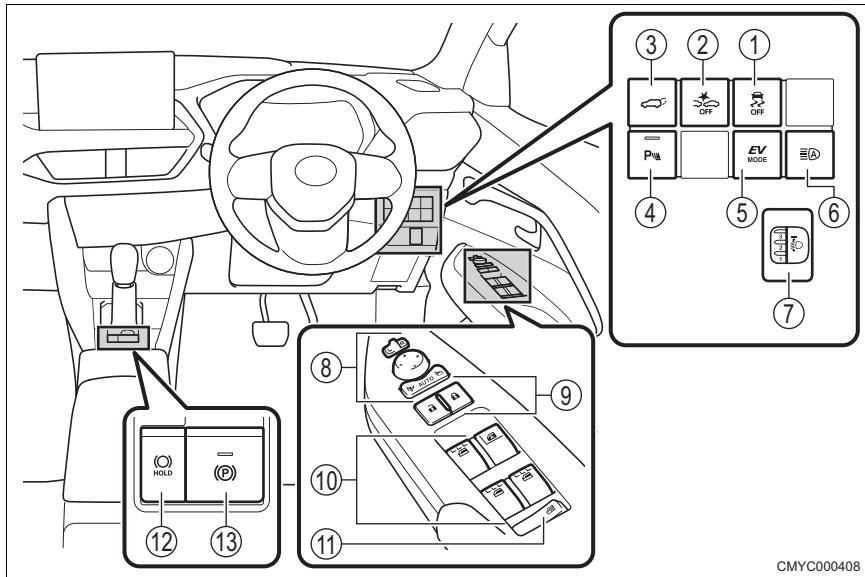
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⑩ Fuel tank opening lever	P. 269
⑪ Audio system**	

* Refer to the instruction manual included with the audio system.

*: If equipped



Switches (Right-hand drive vehicles)

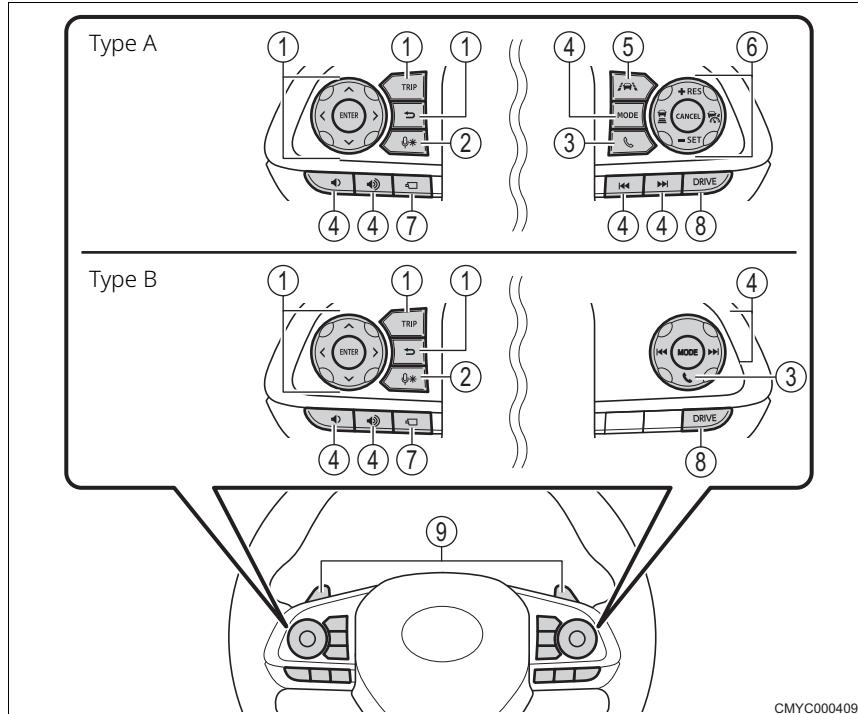


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- ① VSC/TRC OFF switch..... P. 379
- ② Toyota Safety Sense OFF switch*..... P. 274
- ③ Power back door switch*..... P. 169
- ④ Corner sensor/Reverse sensor switch*..... P. 359
- ⑤ EV drive mode switch*..... P. 228
- ⑥ AHB switch*..... P. 257
- ⑦ Manual headlight leveling dial..... P. 254
- ⑧ Outside rear view mirror switch P. 193
- ⑨ Door lock switch P. 154
- ⑩ Power window switch..... P. 196
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- ⑫ Brake hold system switch P. 248
- ⑬ Parking brake switch..... P. 243
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*: If equipped

Steering switches (Right-hand drive vehicles)



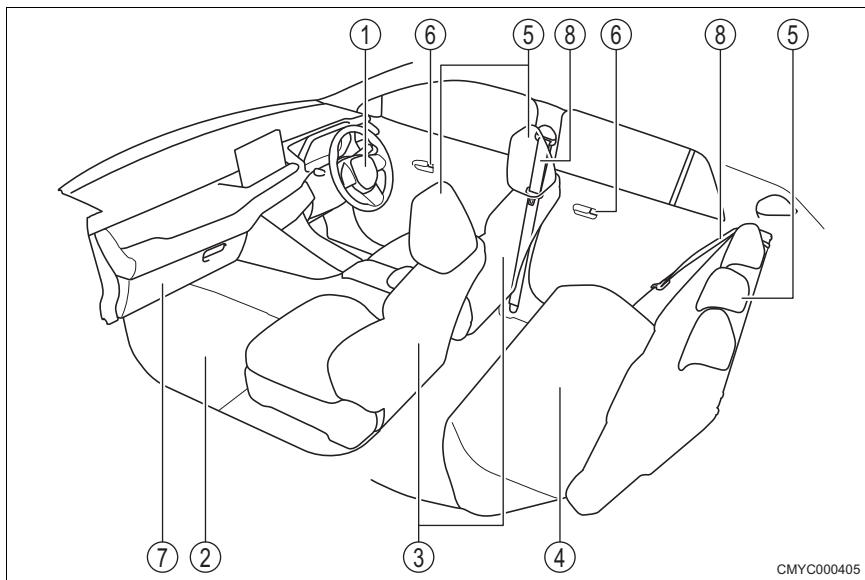
Locations of the steering switches vary according to the vehicle grade level, etc.

- ① Meter control switch* P. 97, 114
- ② Talk switch*
- ③ Telephone switch*
- ④ Audio control switch*
- ⑤ LKC switch* P. 344
- ⑥ Adaptive Cruise Control switch* P. 321
- ⑦ Camera switch* P. 371
- ⑧ Drive mode switch* P. 232, 240
- ⑨ Paddle shift switch* P. 234

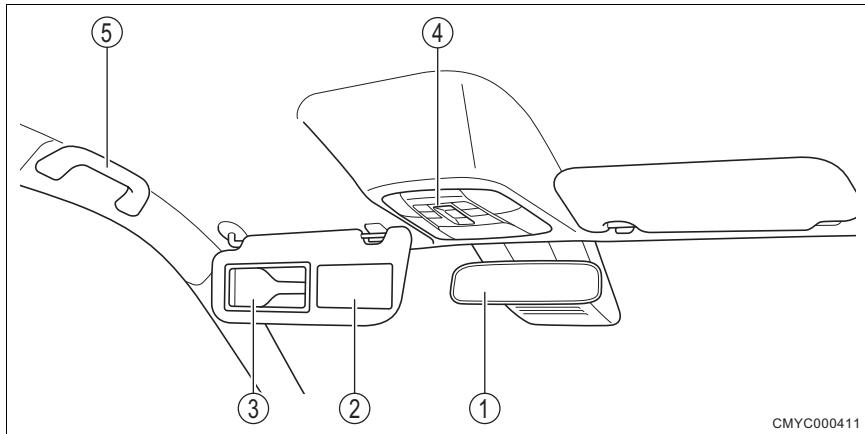
* Refer to the instruction manual included with the audio system.

*: If equipped

Interior (Right-hand drive vehicles)



- ① SRS airbags P. 37
- ② Floor mats P. 28
- ③ Front seats P. 182
- ④ Rear seats P. 184
- ⑤ Head restraints P. 187
- ⑥ Inside lock button P. 154
- ⑦ Glove box P. 416
- ⑧ Seat belts P. 32

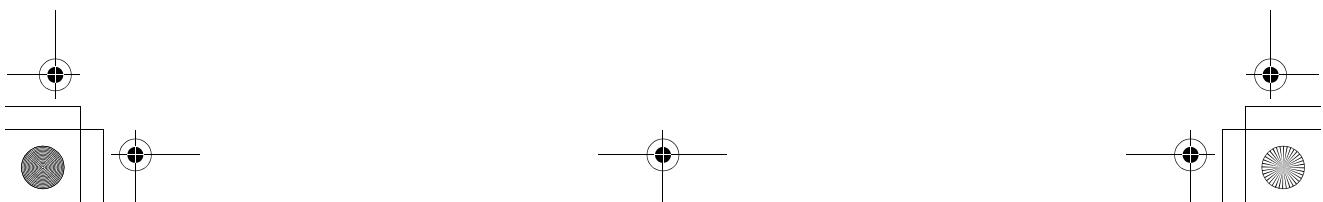
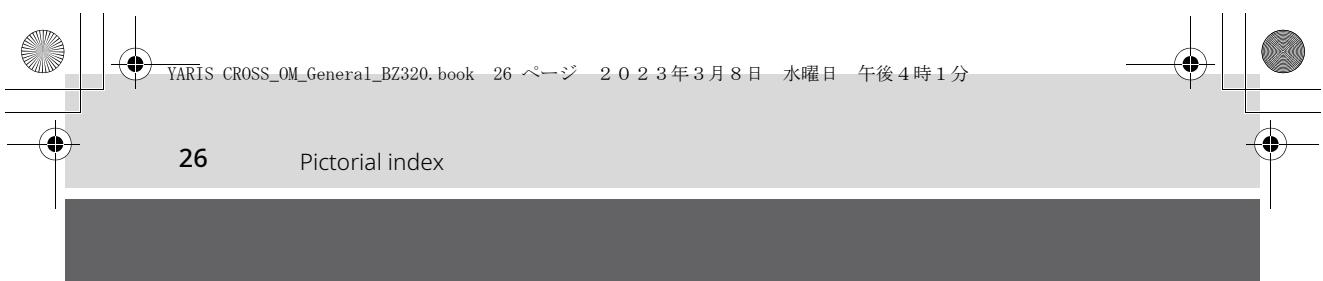


- ① Inside rear view mirror P. 191
- ② Sun visors* P. 425
- ③ Vanity mirror P. 425
- ④ Front personal lights P. 411
 - Interior light P. 411
 - Electric shade opening and closing switch* P. 439
- ⑤ Retractable assist grips P. 438

* 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. 54)



*: If equipped



For safety and security**1****1-1. For safe use**

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1-4. Theft deterrent system

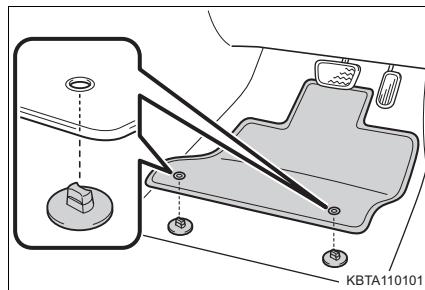
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Before driving

Floor mats

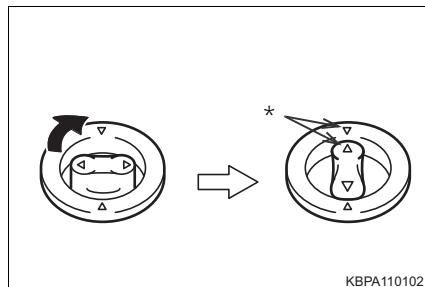
Use only floor mats designed specifically for vehicles of the same model and model year as your vehicle. Fix them securely in place onto the floor carpet.

- 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 △ mark.



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

WARNING

Observe the following precautions.

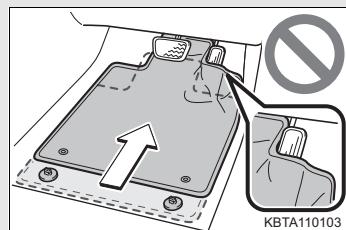
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

■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 engine <hybrid system> stopped and the shift lever in P (continuously variable transmission or hybrid transmission) or N (manual transmission), fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

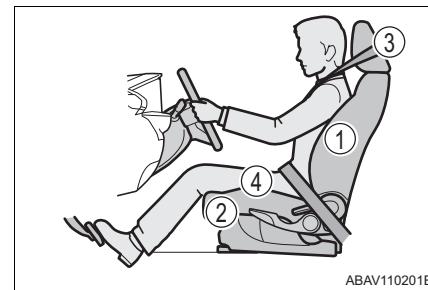


For safe driving

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

Correct driving posture

- ① Sit up straight and adjust the angle of the seatback so that your body does not lift from the seatback when driving (→ P. 182)
- ② Adjust the seat position so that you can depress the pedals fully and so that your arms bend slightly at the elbow when gripping the steering wheel (→ P. 182)
- ③ Lock the head restraint in place with the center of the head restraint closest to the top of your ears (→ P. 187)
- ④ Wearing the seat belt correctly (→ P. 32)



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Wearing the seat belt properly

Make sure that all occupants are wearing their seat belts properly before driving the vehicle. (→ P. 32)

When a child who cannot properly wear the seat belt is in the vehicle, use a proper child restraint system. (→ P. 49)

Adjusting the mirrors

Make sure that you can see the rear of the vehicle clearly, by adjusting the inside and outside rear view mirrors properly. (→ P. 191, 193)

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 mishandle 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 in the event of collision.
- 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 unforeseen accident or damage to the adjustment mechanism.
- Wear footwear that ensures that you can reliably operate the pedals. Failure to operate the pedals reliably may lead to an unforeseen accident.
- Always observe the legal speed limit when driving on public roads.
- Always pay attention to the surrounding conditions, such as other vehicles and pedestrians, and try to drive safely.
- Never drink and drive. If you drink alcohol, your alertness and judgement will be impaired, and it may cause an accident. Also, refrain from driving if you have taken any medicine that can cause drowsiness.
- Do not use a mobile phone or adjust equipment while driving. Your attention to the surrounding conditions will be impaired, which is very dangerous. Using a non-hands-free car phone or mobile phone while driving is prohibited by law.
- 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 properly before driving the vehicle.

Correct use of the seat belts

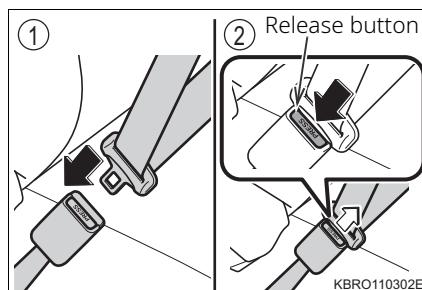
- Extend the shoulder belt so that it comes fully over the shoulder
But does not come into contact with the neck or slide off the shoulder.
- Position the lap belt as low as possible over the hips
- Adjust the position of the seat-back. Sit up straight and well back in the seat
- Do not twist the seat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



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Fastening and releasing the seat belt

- ① To fasten the seat belt, push the plate into the buckle until you hear a click sound
- ② To release the seat belt, press the lock release button
The belt retracts automatically, so check it for twists and snags, and slowly put it back in place with your hand on the plate.



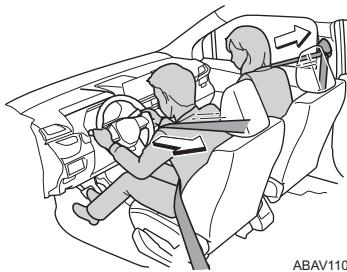
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Seat belt pretensioner & force limiter (front seats)

Pretensioner

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

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



Force limiters

When a strong frontal impact is applied, and the load applied to the seat belt exceeds a certain level, this mechanism prevents the load from being applied further, and reduces the impact on the occupants' chests.

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

How to release the seat belt lock

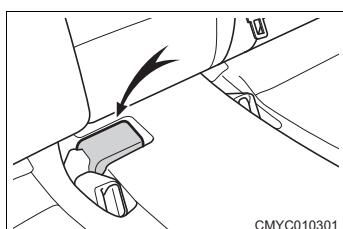
The belt will lock in the case of a sudden stop or impact. It may also lock if you suddenly lean forward, or pull the seat belt too quickly. If the seat belt is locked and you cannot extend it, pull it strongly once, loosen it, and then move it slowly to extend.

Seat belt pretensioner & force limiter (front seats)

The seat belt pretensioners & force limiters only work once. Even if they receive continuous impacts from a pile-up, they will not operate in subsequent collisions once they have activated.

After using the rear center seat belt

Place the buckle back in its storage space.



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.

Failure to do so may cause death or serious injury.

■Wearing a seat belt

- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Make sure the path of the seat belt is not obstructed by any items



- Do not drive with the seat belt too close to the steering wheel or meter
- Do not slacken the seat belt with clothespins or clips
- 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 seats 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.

■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. 49)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions regarding seat belt usage. (→ P. 32)

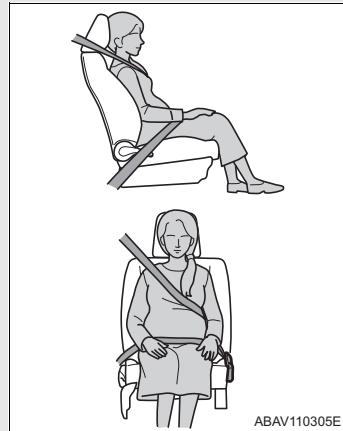
WARNING

■ Pregnant women

Obtain medical advice and wear the seat belt in the proper way. (→ P. 32)

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.



1

For safety and security

■ People suffering illness

Obtain medical advice and wear the seat belt in the proper way.

■ When children are in the vehicle

→ P. 65

■ If the seat belt becomes dirty

Use a neutral detergent. If organic solvents such as benzene are used, the performance of the seat belt will be reduced and it will lose its effectiveness. Similarly, do not remove the color from, or dye the seat belt.

■ Seat belt pretensioner & force limiter (front seats)

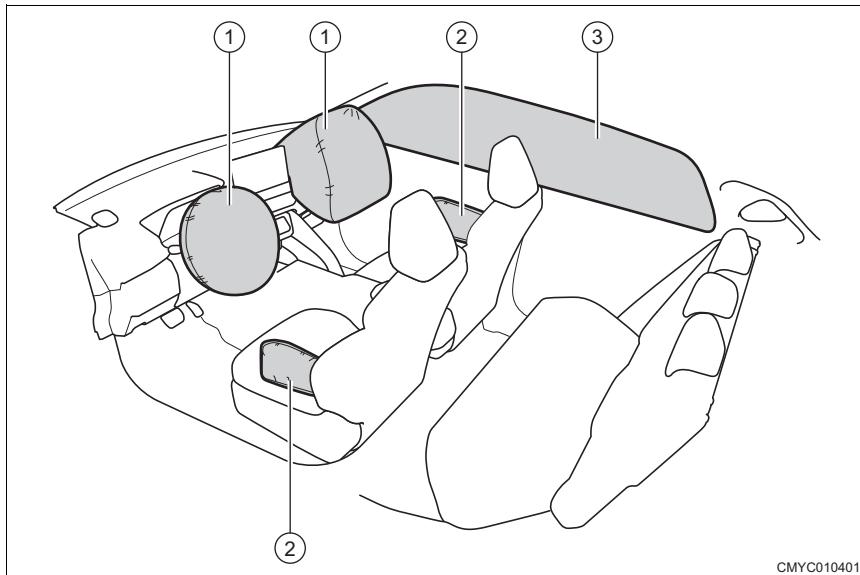
If the pretensioner has activated, the SRS warning light will flash. In that case, the seat belt cannot be used again and must be replaced at your Toyota dealer.

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.
- Do not put any foreign matter inside the buckle or retractor.
- 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, or modify seat belts. They may not work effectively at the time of a collision.
- 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 a severe impacts that may cause significant injury to the occupants. They work together with the seat belts to help reduce the risk of death or serious injury.



◆ SRS front airbags

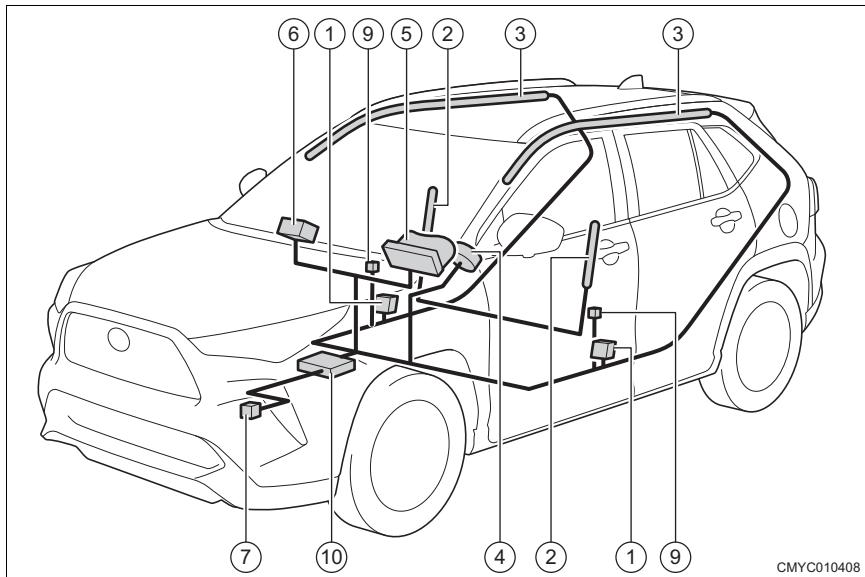
- ① SRS driver airbag/front passenger airbag
(Can help reduce the impact on the heads and chests of the driver and front passenger)

◆ SRS side and curtain shield airbags

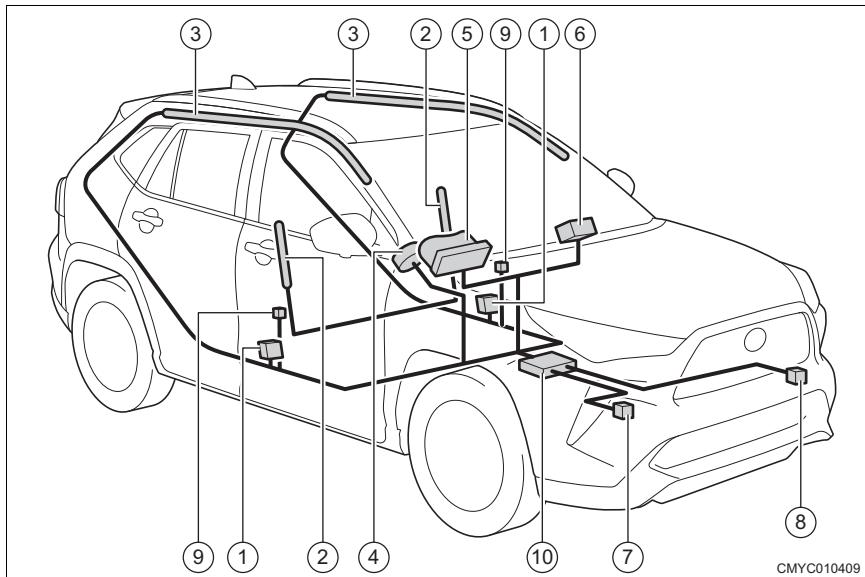
- ② SRS side airbag
(Helps reduce impact to the chest of the front passenger)
③ SRS curtain shield airbag
(Helps reduce impact to the front and rear seat passengers, mainly to their heads)

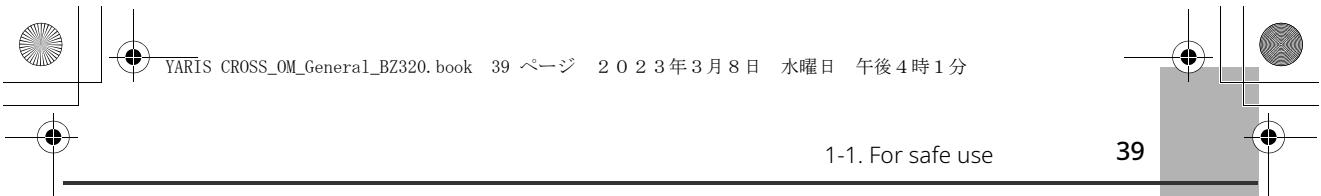
SRS airbag system components

► Left-hand drive vehicles



► Right-hand drive vehicles





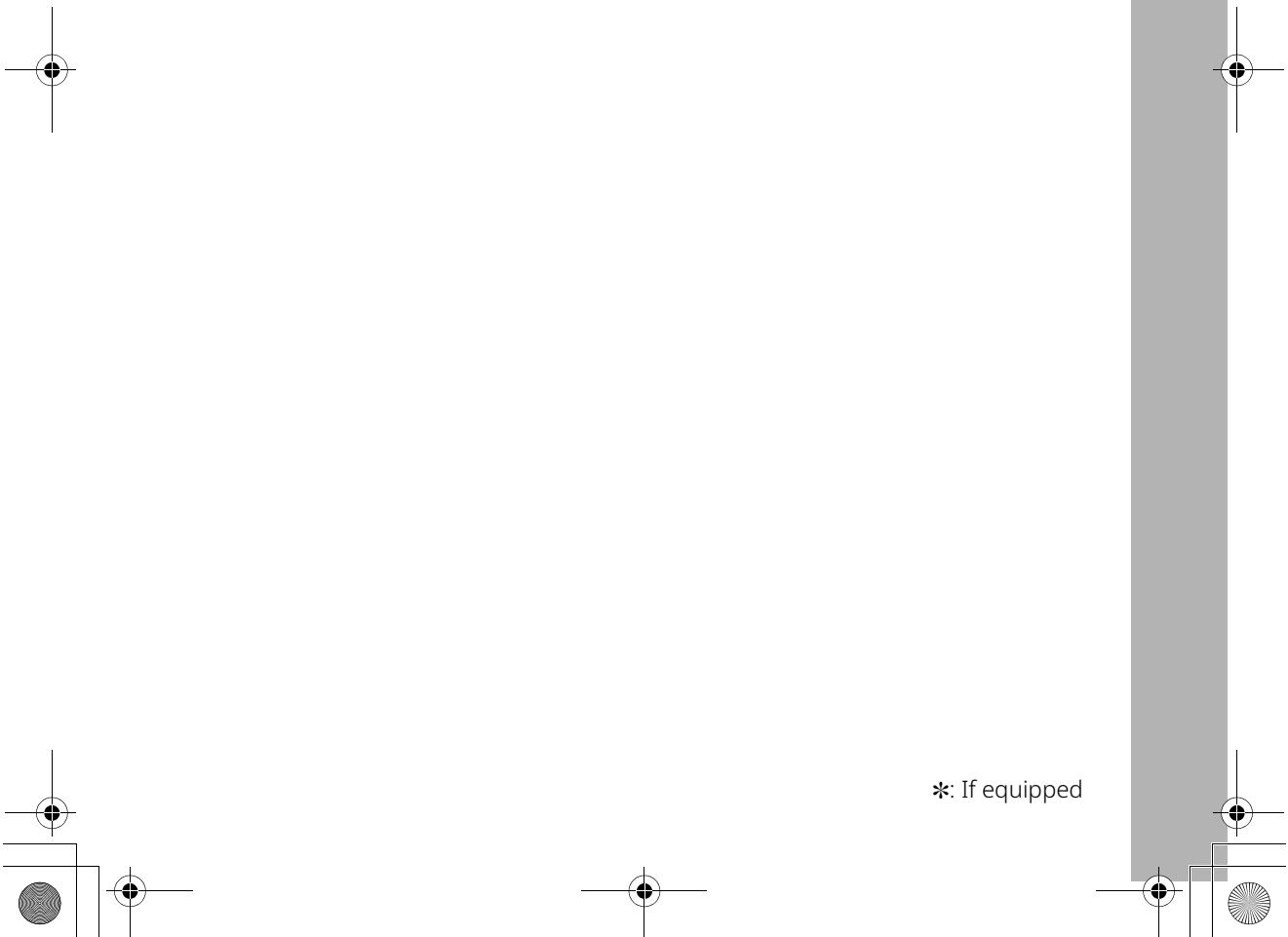
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For safety and security

- ① Seat belt pretensioners and force limiters
- ② Side airbags
- ③ Curtain shield airbags
- ④ Driver airbag
- ⑤ SRS warning light
- ⑥ Front passenger airbag
- ⑦ Front impact sensor (driver side)
- ⑧ Front impact sensor (passenger side)*
- ⑨ Side impact sensors
- ⑩ Airbag sensor assembly

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.

- A deploying airbag can cause even the death or serious injury of an infant or child who is improperly seated and/or restrained. 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. 49)

⚠ WARNING

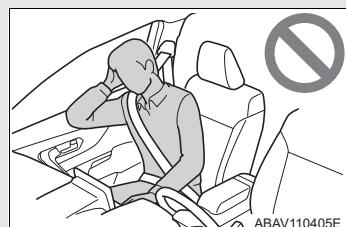
- Do not sit on the edge of the seat or lean against the dashboard.



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



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

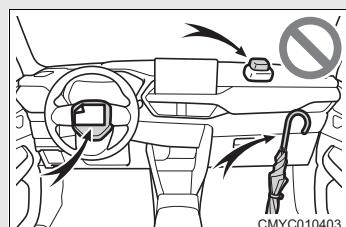


- Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle



- Do not attach anything to or lean anything against areas such as the dashboard or steering wheel pad.

These items can become projectiles when the SRS driver and front passenger airbags deploy.



WARNING

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



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- 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.
Doing so can cause the SRS airbags to malfunction.
- Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- If breathing becomes difficult after the SRS airbags have deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation.
- If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillar garnishes, are damaged or cracked, have them replaced by your Toyota dealer.

■ If the SRS airbags deploy (inflate)

- High-temperature gas will inflate the SRS airbags at an extremely high speed, possibly leading to injuries, including scrapes, burns, and contusions.

■ Modification and disposal of SRS airbag system components

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

The SRS airbags may malfunction or deploy (inflate) accidentally, causing death or serious injury.

- Installation, removal, disassembly and repair of the SRS airbags
- Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard, seats or seat upholstery, front, side and rear pillars or roof side rails
- Repairs or modifications of the front fender, front bumper or side of the occupant compartment

WARNING

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

■ If the SRS airbags deploy (inflate)

- A loud noise and white gas will be emitted.
- Parts of the airbag module (steering wheel hub, airbag cover and inflator), as well as parts of the front seat, front pillar, center pillar, rear pillar, and roof side rails, may also become hot for several minutes. The airbag itself may also be hot.
- The windshield may be damaged.

■ Types of collisions that may deploy SRS airbags (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 a frontal collision at the speed of approx. 20 to 30 km/h (12 to 18 mph) against a fixed wall that will not move or deform).

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

- When the vehicle collides with a concrete wall or guardrail at an angle of about 30° or more to the front
- 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, is pinned under a truck

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

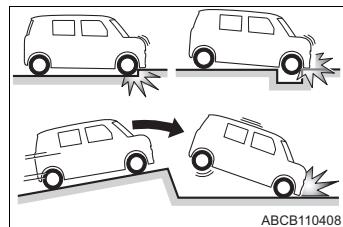
■ Types of collisions that may deploy SRS airbags (SRS side and curtain shield airbags)

- 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 a perpendicular collision of an approximately 1.5-ton vehicle traveling at approximately 50 km/h (31 mph) into the cabin of the vehicle).
- The right and left SRS side and curtain shield airbags will also deploy in a frontal collision if the force of the collision is particularly strong.

■ Conditions under which it may deploy, other than a collision

The SRS front airbags and SRS side and curtain shield airbags may also deploy if a serious impact occurs to the underside of your vehicle, as in the following cases.

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



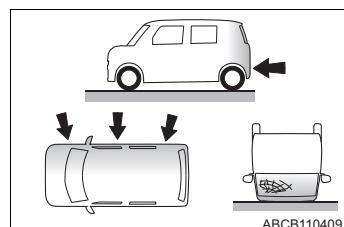
■ Types of collisions that may not deploy the SRS airbags

Even if a collision occurs, the SRS airbags do not inflate if the engine switch <power switch> is "OFF" or "ACC".

■ 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 such an impact causes sufficient forward deceleration of the vehicle, deployment of the SRS front airbags may occur.

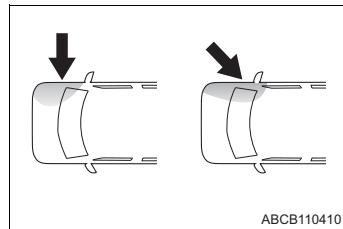
- Collision from the side
- Collision from the rear
- Vehicle rollover



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

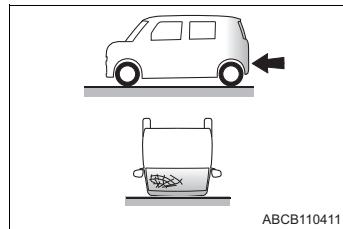
The SRS side and curtain shield airbags may not deploy if the vehicle receives impact from an angle or to the side of the vehicle that is not part of the cabin.

- Impact to side of vehicle not part of the cabin
- Angular impact



The SRS side and 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 frontal or side collision.

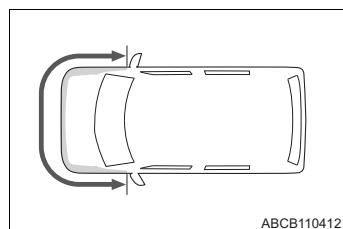
- Collision from the rear
- Vehicle rollover



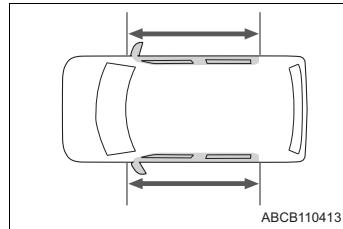
■ When to contact your Toyota dealer

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

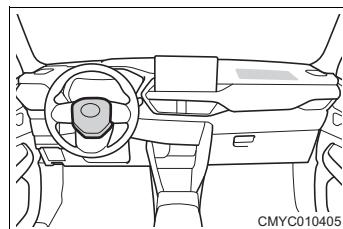
- Any of the SRS airbags have been inflated
- The vehicle was involved in an accident that involved collision to the front area or left the front area damaged or deformed, but was not severe enough to cause the SRS front airbags to inflate



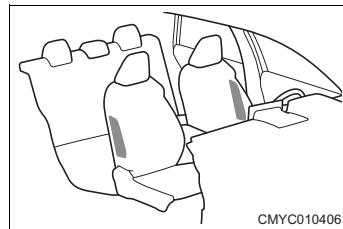
- The vehicle was involved in an accident, resulting in the collision of the door or the surrounding areas or causing the doors and the surrounding areas to be damaged or deformed even though the SRS side and curtain shield airbags did not inflate



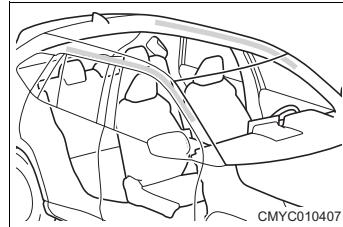
- The pad section of the steering wheel or dashboard near the front passenger SRS airbag is scratched, cracked, or otherwise damaged



- The surface of a seat housing an SRS side airbag is scratched, cracked, or otherwise damaged



- The front pillar, rear pillar, or roof side portions housing the SRS curtain shield airbags are scratched, cracked, or otherwise damaged



Exhaust gas precautions

Exhaust gases contain a substance harmful to the human body if inhaled.

WARNING

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

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

■Important points while driving

Keep the back door closed.

If you smell exhaust gas in the vehicle even when the back door is closed, open the windows to allow fresh air in and have the vehicle inspected at your Toyota dealer immediately.

■When parking the vehicle

- If the vehicle is in a poorly ventilated area or a closed area, such as a garage, stop the engine <hybrid system>.
- Do not leave the vehicle with the engine running <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 gases do not enter the vehicle interior.
- Do not leave the engine running <hybrid system operating> in an area with snow build-up, or where it is snowing. If snowbanks build up around the vehicle while the engine is running <hybrid system is operating>, exhaust gases may collect and enter the vehicle.

■Exhaust pipes

The exhaust pipes need 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 at your Toyota dealer.

When children are in the vehicle

Observe the following precautions when children are in the vehicle.

- Children should always use a seat belt. When a child who cannot properly wear the seat belt is in the vehicle, use a proper child restraint system. (→ P. 49)
- It is recommended that children sit in the rear seats to avoid accidental contact with the device that operates the vehicle.
- Use the child-protector lock (→ P. 155) and window lock switch (→ P. 196) to prevent children from opening doors or accidentally operating power windows while the vehicle is in motion.
- Do not let small children operate equipment which may catch or pinch body parts, such as power windows, hood, doors, seats, armrest, etc.

WARNING

- Never leave children unattended in the vehicle. High temperatures inside the vehicle can cause heatstroke and dehydration, which can cause death or a serious health hazard.
Also, children may operate devices inside the vehicle and get caught in the door window or move a device that operates the vehicle, leading to an unforeseen accident.
- When children are in the vehicle, please refer to P. 49, which provides precautions for ensuring your child's safety, directions on installing child restraint systems, and other related information.

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.

- The use of a Toyota genuine child restraint system is recommended, as it is safer to use in this vehicle.

Toyota genuine child restraint systems are made specifically for Toyota vehicles. They can be purchased at a Toyota dealer.

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. 56)

Child restraint system compatibility

■ Weight groups

Child restraint systems that meet the criteria of UN (ECE) R44* are classified into the following 5 types according to the weight of the child.

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

Group 0⁺ : Up to 13 kg (28 lb.)

Group I: 9 to 18 kg (20 to 39 lb.)

Group II: 15 to 25 kg (34 to 55 lb.)

Group III: 22 to 36 kg (49 to 79 lb.)

* UN (ECE) R44 is an international regulation on child restraint systems.

Types of child restraint systems

► Baby seats

Equivalent to groups 0 and 0⁺ of the UN (ECE) R44 standard



► Child restraint system

Equivalent to groups 0⁺ and I of the UN (ECE) R44 standard



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► Junior seats

Equivalent to groups II and III of the UN (ECE) R44 standard



WARNING

■ When a child is riding

Observe the following precautions.

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

- For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system which is correctly installed. For installation details, refer to the operation manual enclosed with the child restraint system. General installation instruction is provided in this manual.
- Toyota strongly urges the use of a proper child restraint system that conforms to the weight and size of the child, installed on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.
- 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 caused death 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. 56)
- 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.

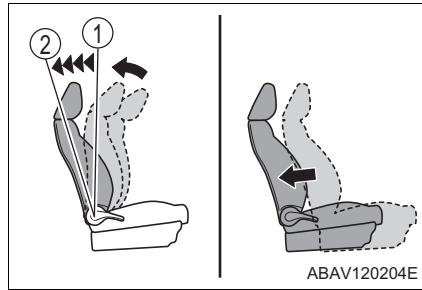
When using a child restraint system

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

- Tilt the seatback forward, place it back in its 1st fixed position (①), and adjust it to its 5th fixed position (②)
- If the child restraint system cannot be properly installed because the head restraint is in the way, fix the head restraint at its highest position or remove it (→ P. 187)
- Push the seat all the way back



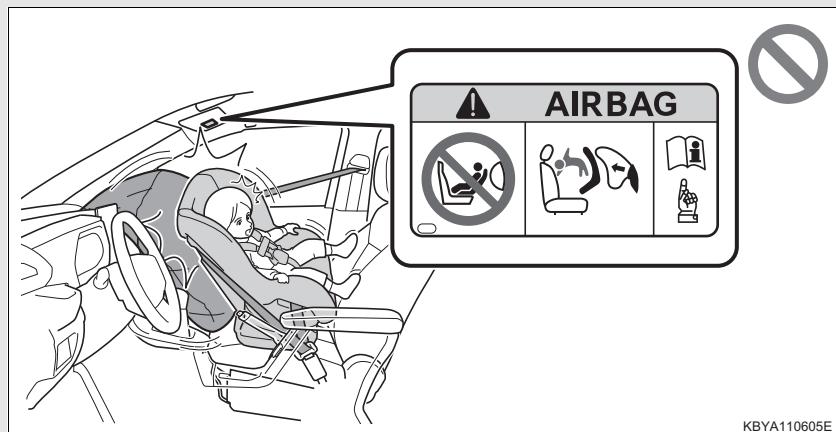
WARNING

■ When using a child restraint system

Observe the following precautions.

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

- Never use a rear-facing child restraint system on the front passenger seat. The force of the rapid inflation of the front passenger airbag can cause death or serious injury to children in the event of an accident. 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.



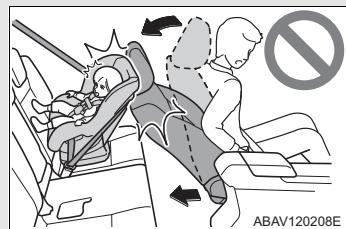
- Only put a forward-facing child restraint system on the front seat when unavoidable. When installing a forward-facing child restraint on the front passenger seat, move the seat as far back as possible.

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



WARNING

- 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 child restraint system suitable to the age and size of the child and install it to the rear seat.
- If the driver's seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the right-hand rear seat (left-hand drive vehicles) or the left-hand rear seat (right-hand drive vehicles).
- 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. 58) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols. Also, the recommended child restraint system that is suitable for your child can be selected.

Otherwise, check [Recommended child restraint systems and Compatibility table] for recommended child restraint systems. (→ P. 61)

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.

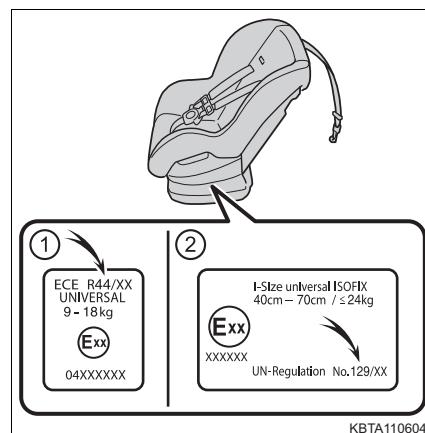
► Example of the displayed regulation number

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.



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*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.

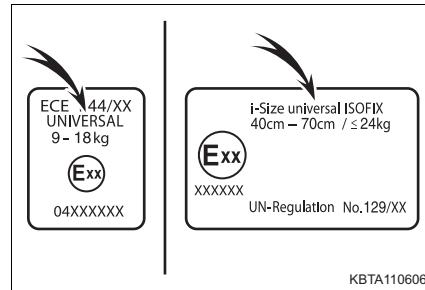
*3 The displayed mark may differ depending on the product.

[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.

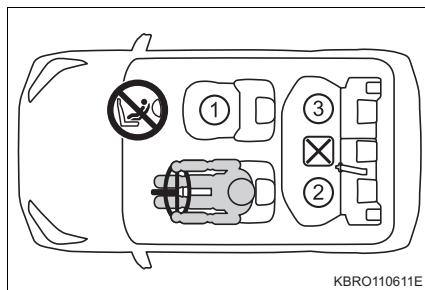
Also, if there are any uncertainties, check the user's guide included with the child restraint system or contact the retailer of the child restraint system.

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



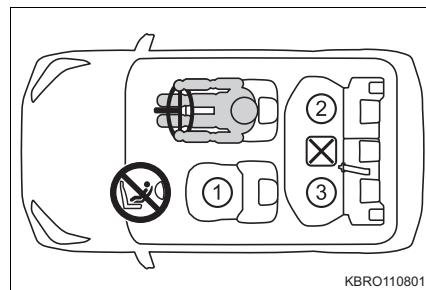
■ Compatibility of each seating position with child restraint systems

► Left-hand drive vehicles



KBRO110611E

► Right-hand drive vehicles



KBRO110801

(1)*1, 2, 3	*4
(2)*3, 5, 6	
(3)*3, 6	

Suitable for fixed with vehicle seat belt "universal" category child restraint system.

Suitable for child restraint systems given on recommended child restraint systems and compatibility table (→ P. 61).

Suitable for i-Size and ISOFIX child restraint system.

This seat is fitted with a Top tether anchorage point.

Not suitable for child restraint system.

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

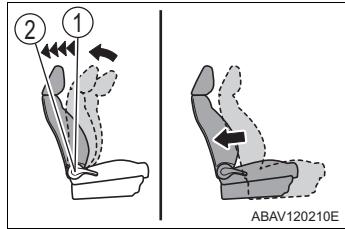
1-2. Safety information for children

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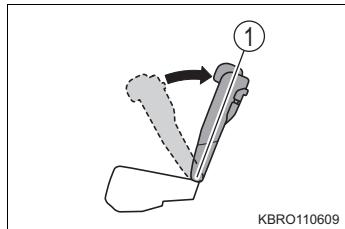
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- *1 Install the child restraint system with the seat pushed all the way back.
- *2 Tilt the seatback forward, place it back in its 1st fixed position (①), and adjust it to its 5th fixed position (②).



- *3 If the child restraint system cannot be properly installed because the head restraint is in the way, fix the head restraint at its highest position or remove it.
- *4 Child restraint systems should always be used facing forward.
- *5 Tilt the seatback forward and place it back in its 1st fixed position (①).



- *6 When installing a child seat, adjust the front seat to a position that does not interfere with the child seat.

■ Detail information for CRS installation

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

■ Recommended child restraint systems and Compatibility table

Mass groups	Recommended Child Restraint System	Seating position		
		①	②	③
0, 0 ⁺ Up to 13 kg (28 lb.)	i-Size MIDI	No	Yes	Yes
I 9 to 18 kg (20 to 39 lb.)	i-Size MIDI	No	Yes	Yes

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.

⚠ WARNING

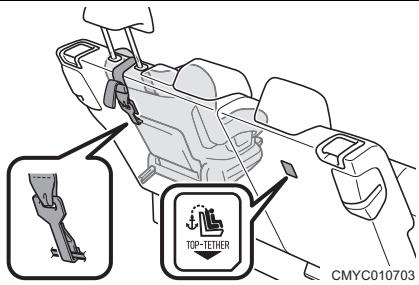
When securing some types of child restraint systems in rear seat, it may not be possible to properly use the seat belts in positions next to the child restraint without interfering with it or affecting seat belt effectiveness.

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.

Child restraint system installation method

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

Installation method		Page
Seat belt attachment	 CMYC010701	P. 63
ISOFIX lower anchorage attachment	 CMYC010702	P. 66
Top tether anchorage attachment	 CMYC010703	P. 68

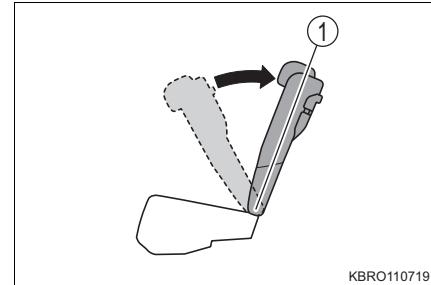
Child restraint system fixed with a seat belt

■ Installing child restraint system using a seat belt

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

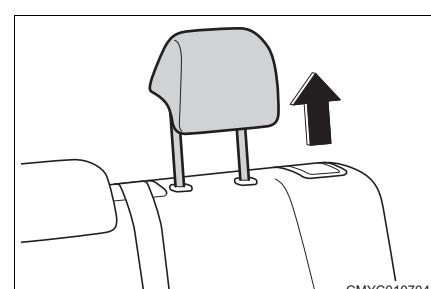
If the child restraint system on hand is not within the "universal" category (or the necessary information is not in the table), refer to the "Vehicle List" provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child seat. (→ P. 58)

- ① If installing the child restraint system to the front passenger seat is unavoidable, refer to P. 53 for front passenger seat adjustment.
- ② Tilt the seatback forward and adjust it back to its 1st fixed position (①)



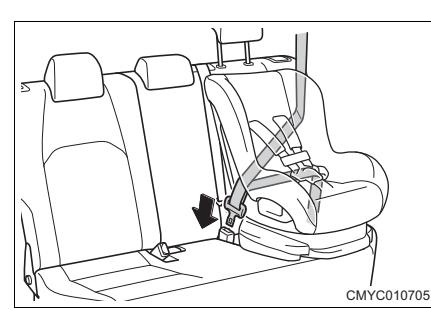
- ③ Raise the head restraint to its highest position

Remove the head restraint if it interferes with proper child restraint system installation. (→ P. 187)

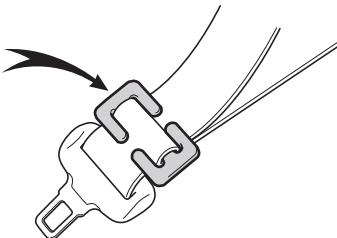


- ④ Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted.

Securely fix the seat belt to the child restraint system in accordance to the directions enclosed with the child restraint system.



- [5]** 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.



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- [6]** After installing the child restraint system, rock it back and forth to ensure that it is installed securely.

■ 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer: Locking clip for child restraint system (Part No. 73119-22010)

WARNING**■When installing a child restraint system**

Observe the following precautions.

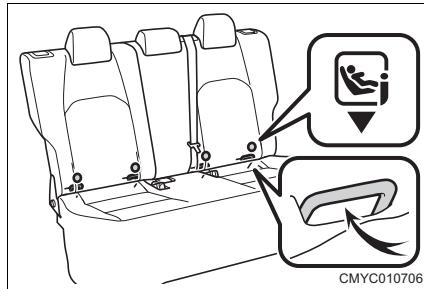
Failure to do so may result in death or serious injury.

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

Child restraint system fixed with an ISOFIX lower anchorage

■ ISOFIX lower anchorages (ISOFIX child restraint system)

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

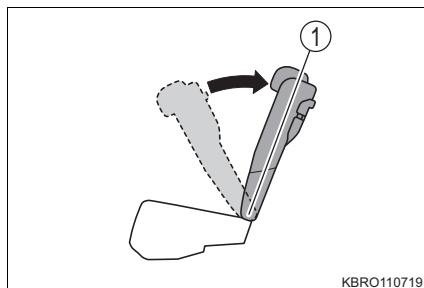


■ Installation with ISOFIX lower anchorage (ISOFIX child restraint system)

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

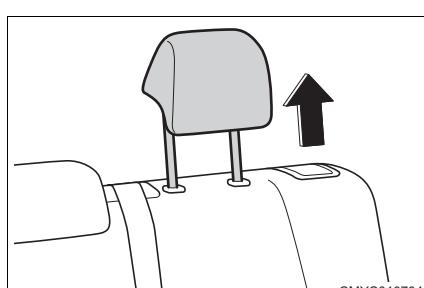
If the child restraint system on hand is not within the "universal" category (or the necessary information is not in the table), refer to the "Vehicle List" provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child seat. (→ P. 57)

- ① Tilt the seatback forward and adjust it back to its 1st fixed position ①



- ② Raise the head restraint to its highest position

Remove the head restraint if it interferes with proper child restraint system installation. (→ P. 187)



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[3] Installing the child restraint system to the seat.

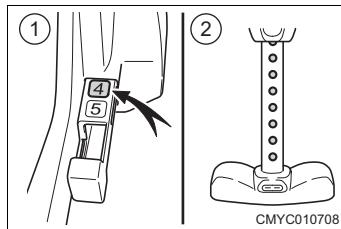
Attach the child restraint system attachment buckles to the child restraint system attachment points.

Follow the instructions in the manual provided with your child restraint system.

**[4] After installing the child restraint system, rock it back and forth to ensure that it is installed securely.****■When using an "i-Size MIDI"**

Adjust the support leg and ISOFIX connectors as follows:

- ① Lock the ISOFIX connectors where number 4 can be seen.
- ② Lock the support leg where 7 and half holes can be seen.

 **WARNING****■When installing a child restraint system**

Observe the following precautions.

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

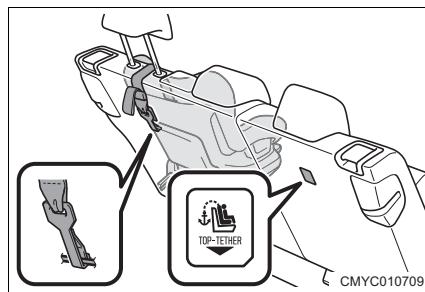
- Shake the child restraint system left and right, and forward and backward to ensure that it has been securely installed.
- After securing a child restraint system, never adjust the seat.
- When using the lower anchorages, be sure that there are no foreign objects around the anchorages and that the seat belt is not caught behind the child restraint system.
- Follow all installation instructions provided by the child restraint system manufacturer.

Using a top tether anchorage

Top tether anchorage

Top tether anchorages are provided for the outboard rear seat.

Use top tether anchorages when fixing the top strap.



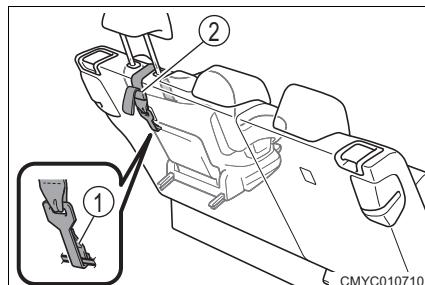
Fixing the top strap to the top tether anchorage

Install the child restraint system according to the instructions in the manual included with the child restraint system.

- 1 Fix the hook to the top tether anchorage, and tighten the top strap

Make sure that the top strap is taut and that the hook is securely fixed.

- ① Hook
- ② Top strap



- 2 Make sure that the installed child restraint system is securely locked by pushing it forward and rearward and to the right and left

WARNING**■When installing a child restraint system**

Observe the following precautions.

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

- Firmly attach the top strap and make sure that the belt is not twisted.
- Do not attach the top strap to anything other than the top tether anchorage.
- Shake the child restraint system left and right, and forward and backward to ensure that it has been securely installed.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.

■Rear head restraints

- When installing the child restraint system with the head restraint raised, make sure that insert the top strap under the head restraint. Wrapping the top strap over the head restraint can be dangerous, for it prevents the child restraint system from being fixed securely, leading to severe life-threatening injury in the event of a collision.
- When installing the child restraint system with the head restraint being raised, after the head restraint has been raised and then the top tether anchorage has been fixed, do not lower the head restraint. When the head restraint is lowered, the top strap may sag against the head restraint, causing the child seat to move in the event of a collision or other accidents, resulting in serious injury or death in the worst case.
- If you need to remove the head restraint, securely fix it in a safe place.

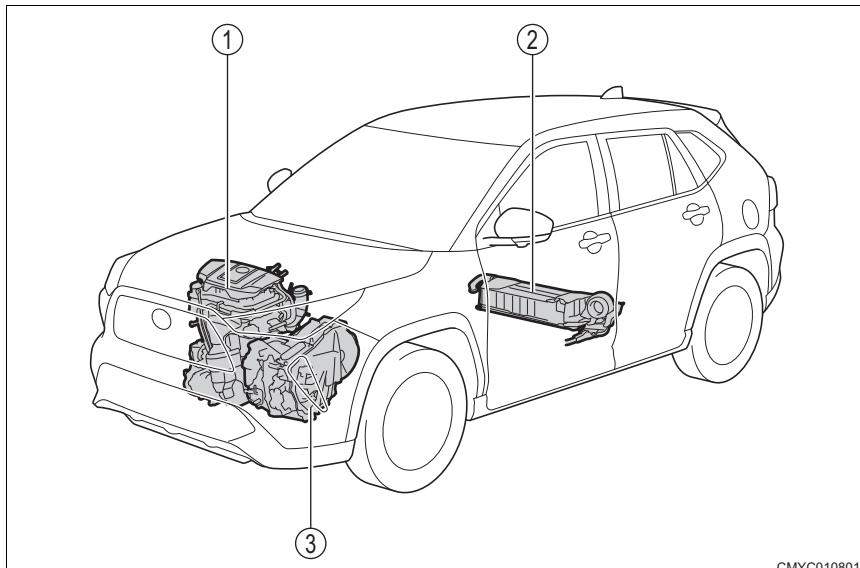
Hybrid system features (hybrid electric vehicles)

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

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

System components

■ System components



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

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

■ When stopped/during start off

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

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

* When the hybrid battery (traction battery) requires charging or the engine is warming up, etc., the gasoline engine will not automatically stop. (→ P. 72)

■ During normal driving

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

■ When accelerating sharply

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

■ When braking (regenerative braking)

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

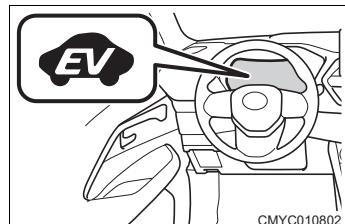
■ Regenerative braking

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

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

■ EV indicator

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



■ Conditions in which the gasoline engine may not stop

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

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

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

■ Charging the hybrid battery (traction battery)

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

■ Charging the 12-volt battery

→ P. 567

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

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

■ Sounds and vibrations specific to a hybrid electric vehicle

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

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

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

*: If equipped

1-3. Hybrid system

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For safety and security

- Sounds may be heard from the transmission when the gasoline engine starts or stops, when driving at low speeds, or during idling.
- Engine sounds may be heard when accelerating sharply.
- Sounds may be heard due to regenerative braking when the brake pedal is depressed or as the accelerator pedal is released.
- Vibration may be felt when the gasoline engine starts or stops.
- Cooling fan sounds may be heard from the air intake vent on the side of the lower part of the rear left seat.

■ Maintenance, repair, recycling, and disposal

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

■ Customization

Some functions can be customized. (→ P. 121)

Acoustic vehicle alerting system

When the gasoline engine is off while driving, a sound is produced to warn pedestrians, people riding bicycles or other people and vehicles in the surrounding area that the vehicle is approaching. The pitch of the sound adjusts according to vehicle speed. When vehicle speed is approximately 25 km/h (16 mph) or more, the warning system turns off.

■ Acoustic vehicle alerting system

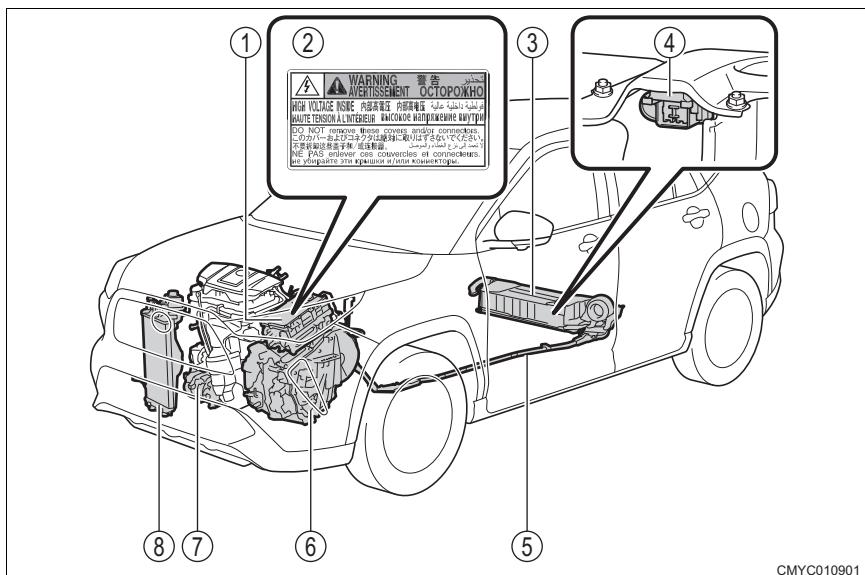
In the following cases, the acoustic vehicle alerting system sound may be difficult for pedestrians, people riding bicycles or other people and vehicles in the surrounding area to hear:

- When there is a lot of noise in the vicinity
- When it is raining or during strong winds
- When in the area surrounding the rear of the vehicle, rather than in front of the vehicle

Hybrid system precautions (hybrid electric vehicles)

Take care when handling the hybrid system, as it is a high voltage system (about 580V 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.

System components



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

- ① Power control unit
 - ② Warning label
 - ③ Hybrid battery (traction battery)
 - ④ Service plug
 - ⑤ High voltage cables (orange)
 - ⑥ Electric motor (traction motor)
 - ⑦ Air conditioning compressor
 - ⑧ Hybrid electric vehicle radiator

1-3. Hybrid system

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For safety and security

■ 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. 524) 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 6.5 L [1.7 gal, 1.4 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 electric vehicles incorporate electromagnetic shielding, and therefore emit approximately the same amount of electromagnetic waves as conventional gasoline powered vehicles or home electronic appliances.
- Your vehicle may cause sound interference in some third party-produced radio parts.

■ Hybrid battery (traction battery)

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

■ Starting the hybrid system in an extremely cold environment

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

■ Declaration of conformity

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

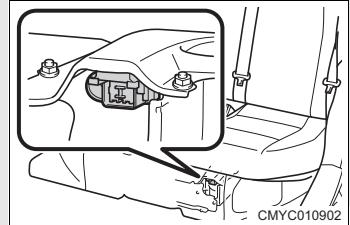
WARNING
■ High voltage precautions

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.

WARNING

- Never try to open the service plug access hole located under the left side of the rear seat. The service plug is used only when the vehicle is serviced and is subject to high voltage.



■ Road accident cautions

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

- Pull your vehicle off the road, apply the parking brake, shift the shift lever to P, and turn the hybrid system off.
- Do not touch the high voltage parts, cables and connectors.
- If electric wires are exposed inside or outside your vehicle, an electric shock may occur. Never touch exposed electric wires.
- If a fire occurs in the hybrid electric vehicle, leave the vehicle as soon as possible. Never use a fire extinguisher that is not meant for electric fires. Using even a small amount of water may be dangerous.
- If your vehicle needs to be towed, do so with the front wheels raised. If the wheels connected to the electric motor (traction motor) are on the ground when towing, the motor may continue to generate electricity. This may cause a fire. (→ P. 514)
- Carefully inspect the ground under the vehicle. If you find that liquid has leaked onto the ground, the fuel system may have been damaged. Leave the vehicle as soon as possible.
- Do not touch the battery if liquid is leaking from or adhering to it. If electrolyte (carbonate ester-based organic electrolyte) from the hybrid battery (traction battery) comes into contact with the eyes or skin, it could cause blindness or skin wounds. In the unlikely event that it comes into contact with the eyes or skin, wash it off immediately with a large amount of water, and seek immediate medical attention.
- If electrolyte is leaking from the hybrid battery (traction battery), do not approach the vehicle. Even in the unlikely event that the hybrid battery (traction battery) is damaged, the internal construction of the battery will prevent a large amount of electrolyte from leaking out. However, any electrolyte that does leak out will give off a vapor. This vapor is an irritant to skin and eyes and could cause acute poisoning if inhaled.
- Do not bring burning or high-temperature items close to the electrolyte. The electrolyte may ignite and cause a fire.

WARNING

■ Hybrid battery (traction battery)

- Your vehicle contains a sealed lithium-ion battery.
- Never resell, hand over or modify the hybrid battery. To prevent accidents, hybrid batteries that have been removed from a disposed vehicle are collected through your Toyota dealer. Do not dispose of the battery yourself. Unless the battery is properly collected, the following may occur, resulting in death or serious injury:
 - The hybrid battery may be illegally disposed of or dumped, and it is hazardous to the environment or someone may touch a high voltage part, resulting in an electric shock.
 - The hybrid battery is intended to be used exclusively with your hybrid electric vehicle. If the hybrid battery is used outside of your vehicle or modified in any way, accidents such as electric shock, heat generation, smoke generation, an explosion and electrolyte leakage may occur.

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

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

NOTICE

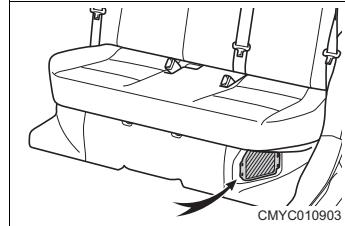
■ Hybrid battery (traction battery)

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

Hybrid battery (traction battery) air intake vent

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

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



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

NOTICE

■ Hybrid battery (traction battery) air intake vent

- Make sure not to block the air intake vent with anything, such as a seat cover, plastic cover, or luggage.
The input/output of the hybrid battery (traction battery) may be restricted, leading to a reduction in hybrid battery (traction battery) output and a malfunction.
- Periodically clean the air intake vent to prevent them from clogging.
(→ P. 490)
- Do not get water or foreign materials in the air intake vent as this may cause a short circuit and damage the hybrid battery (traction battery).

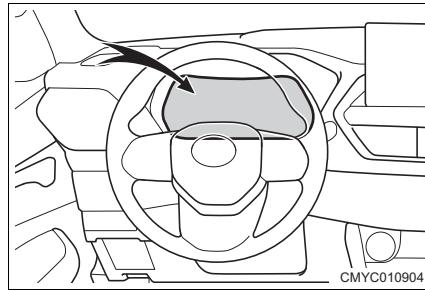
Emergency shut off system

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

Hybrid warning message

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

If a warning message is shown on the TFT color 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.

Immobilizer system

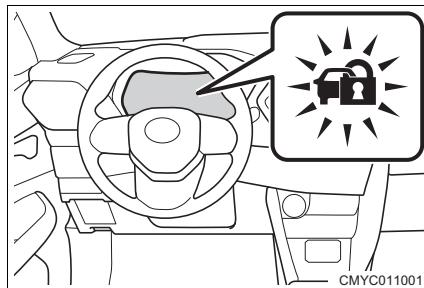
The vehicle's keys have built-in transponder chips, and the vehicle cannot be started using a key that has not been previously registered in the vehicle.

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 security indicator on the meter flashes after the engine switch <power switch> has been turned to "OFF" to indicate that the system is operating.

The system is canceled and the security indicator on the meter turns off when you turn the engine switch <power switch> to "ACC" or "ON" while carrying the registered key.



■ Maintenance

The immobilizer system is maintenance-free.

■ Conditions that may cause the system to malfunction

- If the key touches or is covered by a metal object
- If the key is in close proximity to or touching a key for the security system (key with a built-in transponder chip) of another vehicle

NOTICE

■ To ensure the immobilizer system operates properly

Do not modify or remove the system.

If modified or removed, the proper operation of the system cannot be guaranteed.

1-4. Theft deterrent system

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For safety and security

Alarm

The alarm

The alarm uses the emergency flashers and sound to give an alert when an intrusion is detected.

The alarm is triggered in the following situations when the alarm is set:

- A locked door is unlocked and opened in any way other than using the key-free function* or wireless remote control.
- The hood is opened.

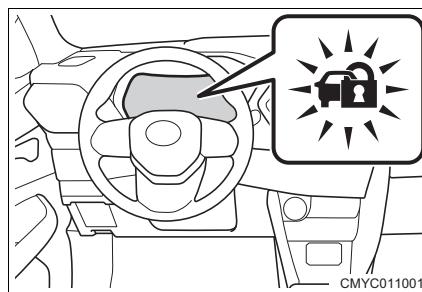
Setting the alarm system

The alarm will be set in the following cases:

Close the doors and hood, and lock all the doors using the key-free function* or wireless remote control.

- When the doors are locked automatically by the security feature.
(→ P. 159)

The indicator light is flashing when the system is set.



Deactivating the alarm

Do one of the following to deactivate the alarm:

- Unlock the doors using the key-free function* or wireless remote control.
- Turn the engine switch <power switch> to "ON", or start the engine <hybrid system>.

*: If equipped

Stopping the alarm

Do one of the following to stop the alarm:

- Press the lock or unlock button of the wireless remote control.
- Press the lock/unlock switch on the front door while carrying the electronic key with you.
- Press the lock button on the back door while carrying the electronic key with you (when opening the driver's door).
- Press the back door opener switch on the back door while carrying the electronic key with you (when closing the driver's door).
- Get in the car with the electronic key.
- Turn the engine switch <power switch> to "ON", or start the engine <hybrid system>.

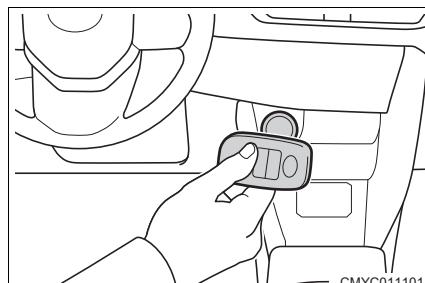
If the electronic key does not operate properly

If the electronic key does not work due to battery depletion, etc., perform the following operation.

- 1** Vehicles with a continuously variable transmission or hybrid transmission:
Depress the brake pedal.

Vehicles with a manual transmission:
Depress the clutch pedal.

- 2** Touch the electronic key to the engine switch <power switch>, as shown in the illustration.



■ System maintenance

The vehicle has a maintenance-free type alarm system.

■ Items to check before locking the vehicle

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

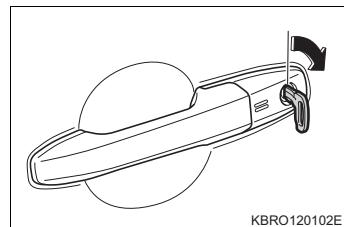
- Nobody is in the vehicle.
- The windows are closed before the alarm is set.
- No valuables or other personal items are left in the vehicle.

■ Triggering of the alarm

The alarm may be triggered in the following situations:

(Stopping the alarm deactivates the alarm system.)

- The doors are unlocked using the key.



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



■ When the battery is disconnected

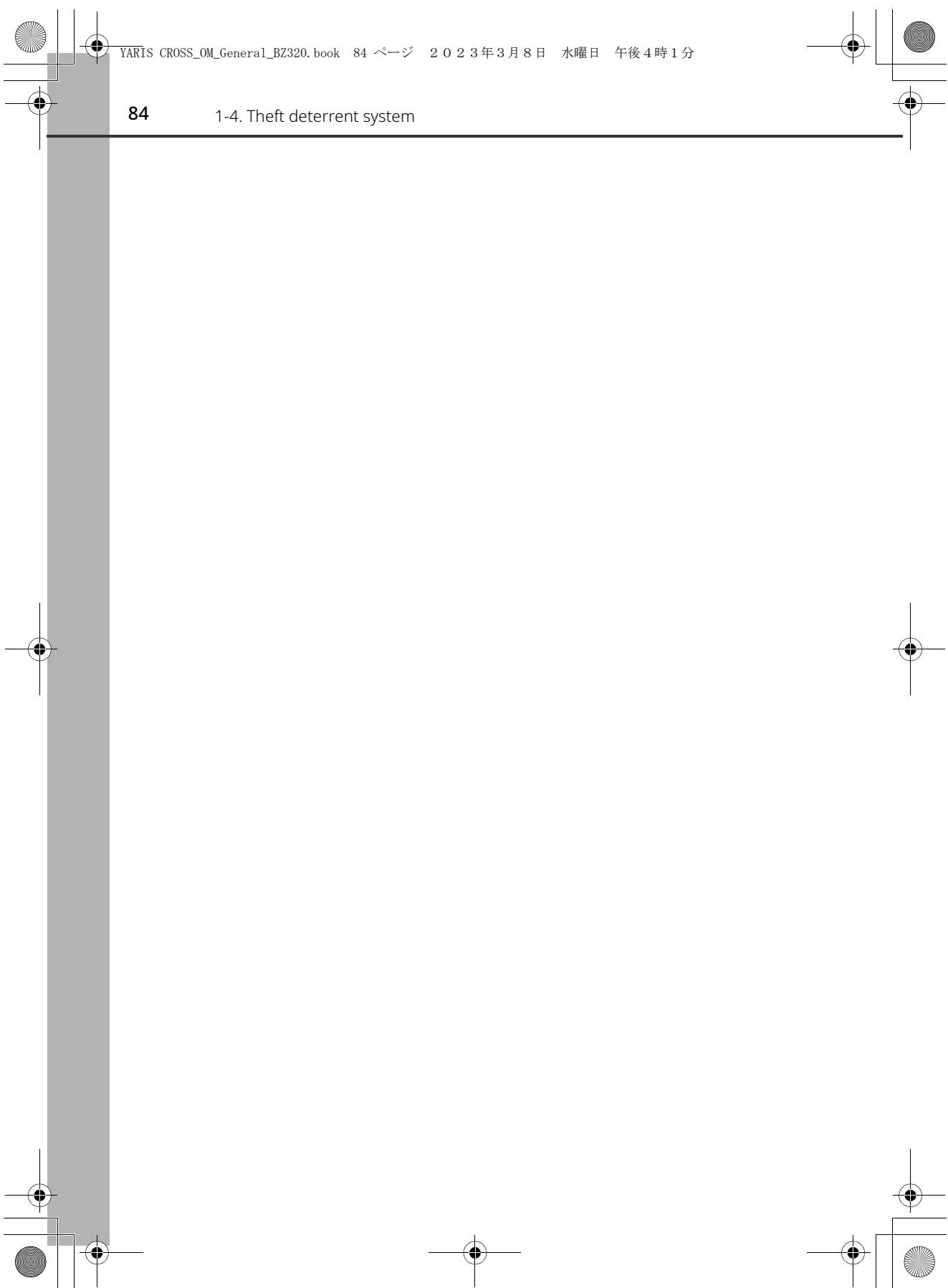
Be sure to deactivate the alarm system.

If the battery is discharged before deactivating the alarm system, the alarm may be triggered when the battery is reconnected.

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.



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1-4. Theft deterrent system

Instrument cluster**2****2-1. Instrument cluster**

Warning lights and indicators ..	86
Gauges and meters	94
TFT color multi-information display (4.2 inches)	96
TFT color multi-information display (7 inches)	112
Energy flow (hybrid electric vehicles) /fuel economy screen.....	134

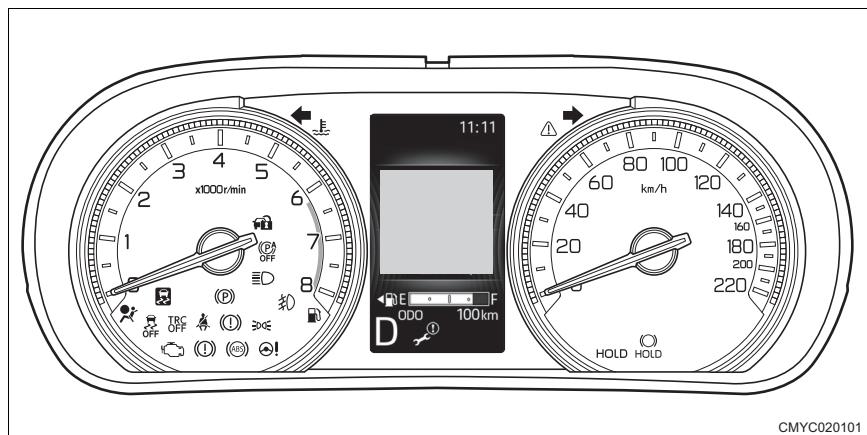
Warning lights and indicators

Warning lights and indicators in the meter and in the center portion of the instrument panel informs you of the condition the vehicle is in.

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

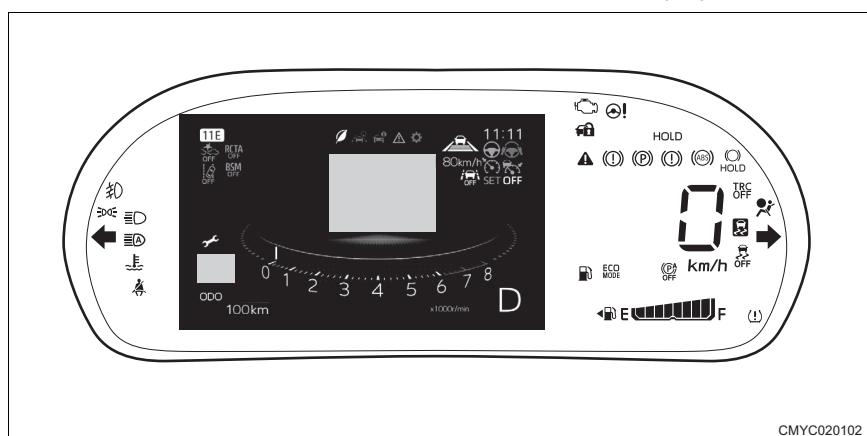
◆ Meter

- Gasoline vehicles with TFT color multi-information display (4.2 inches)



CMYC020101

- Gasoline vehicles with TFT color multi-information display (7 inches)

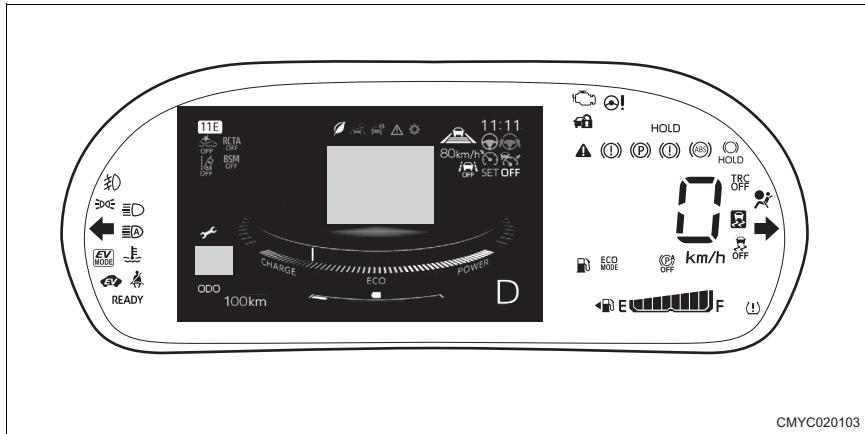


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2-1. Instrument cluster

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- Hybrid electric vehicles with TFT color multi-information display (7 inches)



2

Instrument cluster

Warning lights

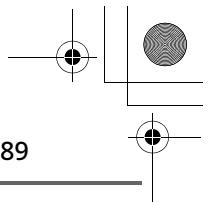
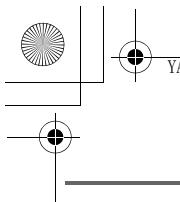
Warning lights inform the driver of malfunctions in the indicated vehicle's systems.

Warning lights			Reference
*1	(!)	Brake system warning light (red/yellow)	522
*1	(H)	High coolant temperature warning light (red)	522
*1	(M)	Malfunction indicator lamp	522
*1	(SRS)	SRS warning light	522
*1	(ABS)	ABS warning light	522
*1	HOLD	Brake hold system switch-on indicator (flashing)	523
*1	(ESP)	Electric power steering system warning light (red/yellow)	523
1	(AHB)	AHB warning light (yellow)	523

*: If equipped

Warning lights		Reference
1, 2		Toyota Safety Sense OFF indicator light (lit or flashing) 523
1, 3		Lane Departure Warning OFF indicator (lit or flashing) 523
*1, 4		Master warning light 523
1		ACC warning light (yellow) 523
1		LKC warning light (yellow) 523
*1, 5		Slip indicator (lit) 524
1		BSM OFF indicator (flashing) 524
1		RCTA OFF indicator (flashing) 524
1		Hands-off warning light 524
		Low fuel level warning light 524
		Driver's seat belt reminder warning light 524
*6		Front passenger's seat belt reminder warning light 524
*6		Rear seat belt reminder warning light 525
1		Tire pressure warning light 525
*1		Parking brake indicator (flashing) 525

*: If equipped

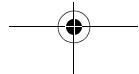
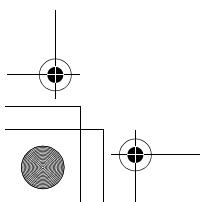
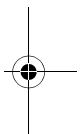
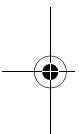


2-1. Instrument cluster

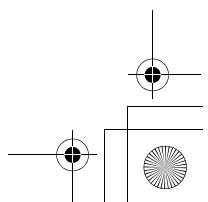
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- *¹ These lights turn on when the engine switch <power switch> is turned to "ON", to indicate that a system check is being performed. They will turn off after the engine <hybrid system> is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or if the lights do not turn off. Have the vehicle inspected at your Toyota dealer.
- *² The indicators also light up when the Toyota Safety Sense* function is stopped.
- *³ The indicator also lights up when the Lane Departure Warning*, lane departure prevention*, and LKC* are stopped.
- *⁴ The indicators also light up when the Toyota Safety Sense* is activated.
- *⁵ If the light is flashing, it indicates that the system is operating, and if the light comes on, it may indicate a system failure.
- *⁶ It lights up in the center portion of the instrument panel.

2
Instrument cluster



*: If equipped



Indicators

Indicators inform the driver of the status of the vehicle's various systems.

Indicators		Reference
		Turn signal indicator
		Headlight high beam indicator
		Front fog light indicator
1		Low coolant indicator (blue)
		Security indicator
		Tail light indicator
*2		Slip indicator (flashing)
*2		VSC OFF indicator
*2		TRC OFF indicator
2		BSM OFF indicator (lit)
2		RCTA OFF indicator (lit)
2, 3		Outside rear view mirror indicators
2		Indicator for Toyota Safety Sense enabled
2, 4		Toyota Safety Sense OFF indicator light (lit)
2		Indicator for Lane Departure Warning enabled

*: If equipped

2-1. Instrument cluster

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2

Instrument cluster

Indicators		Reference
		Lane recognition indicator* 312
2		Indicator for steering wheel assistance enabled 340
2, 4		Lane Departure Warning OFF indicator (lit) 275
		ACC indicator* (green) 329
2		Cruise control indicator 334
2		ACC SET indicator 320
		Preceding vehicle indicator* 320
		ACC OFF indicator* 320
		LKC indicator* (green) 340, 344
		LKC OFF indicator* 340
		Indicator for AHB enabled (green)* 257
		READY indicator* 223
		EV indicator* 71
		EV drive mode indicator* 228
		Power mode indicator* 232, 240
		Eco mode indicator* 232, 240

*: If equipped

Indicators			Reference
*5		Parking brake indicator (lit)	243
		Automatic EPB OFF indicator*	244
*2		Brake hold system standby indicator	248
*2		Brake hold system switch-on indicator (lit)	248

*1 The indicator lights up when the engine coolant temperature is low. If the indicator remains lit blue after the engine is warmed up enough, have it inspected at Toyota dealer.

*2 These lights turn on when the engine switch <power switch> is turned to "ON", to indicate that a system check is being performed. They will turn off after the engine <hybrid system> is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or if the lights do not turn off. Have the vehicle inspected at your Toyota dealer.

*3 It is indicated on the outside rear view mirror.

4 The light flashes when there is a malfunction in Toyota Safety Sense system.

*5 Parking brake non-release warning buzzer:

The warning buzzer sounds when the vehicle speed reaches approx. 5 km/h (3 mph) or faster with the parking brake being applied.

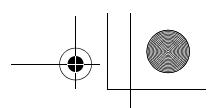
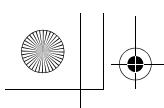
WARNING

■If a safety system warning light does not come on

If warning lights for the safety system such as ABS, and SRS airbags do not turn on when you turn the engine switch <power switch> to "ON", or if the lights remain lit after a few minutes or when you start the engine <hybrid system>, the safety system may not operate in the event of an accident, resulting in serious injury or death.

Have the vehicle inspected at your Toyota dealer immediately.

*: If equipped

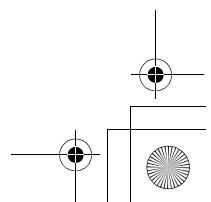
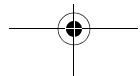
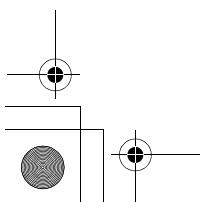
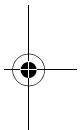
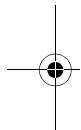
**⚠ NOTICE****■ To prevent damage to the engine and its components**

High coolant temperature warning light (→ P. 522) is equipped instead of temperature gauge. When the High coolant temperature warning light blinks in red, or remains lit, the engine is probably overheated. Stop the vehicle in a safe place immediately. (→ P. 571)

- The warning message (→ P. 531) will also be displayed.

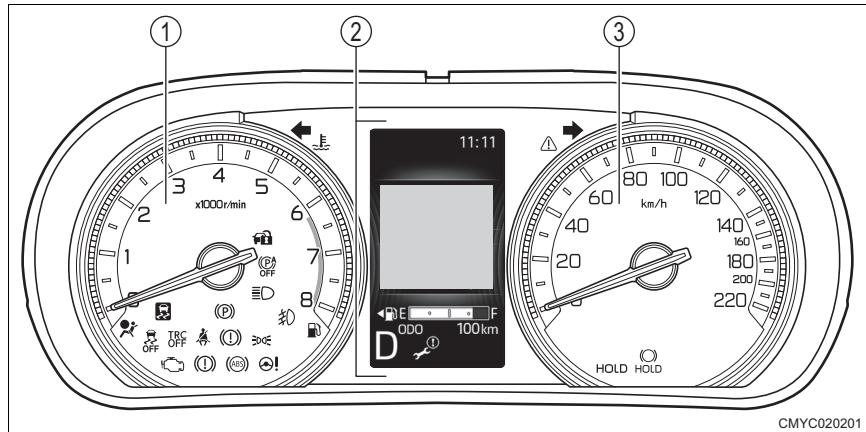
2

Instrument cluster



Gauges and meters

► Vehicles with TFT color multi-information display (4.2 inches)



① Tachometer

Shows the engine speed in revolutions per minute.

② TFT color multi-information display

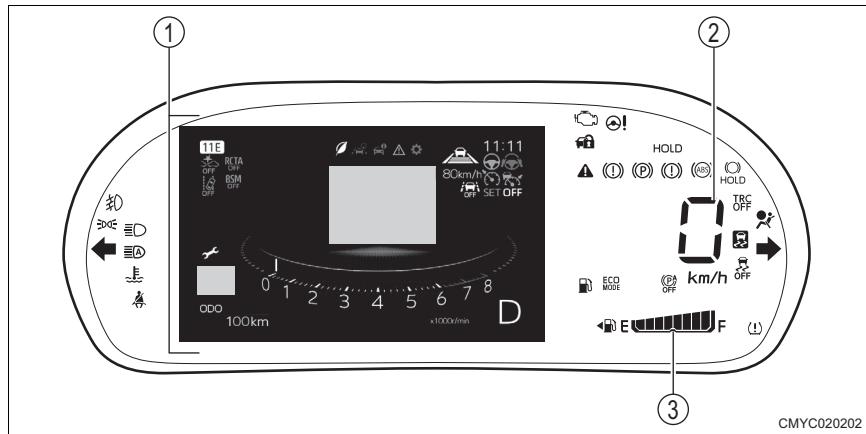
Displays and sets a variety of information about the vehicle. (→ P. 96)

③ Speedometer

Indicates the speed of the vehicle.

2-1. Instrument cluster

► Vehicles with TFT color multi-information display (7 inches)



2

Instrument cluster

① TFT color multi-information display

Displays and sets a variety of information about the vehicle. (→ P. 112)

② Speedometer

Indicates the speed of the vehicle.

③ Fuel gauge

Indicates the amount of remaining fuel.

■ Meter/display operating conditions

When the engine switch <power switch> is "ON"

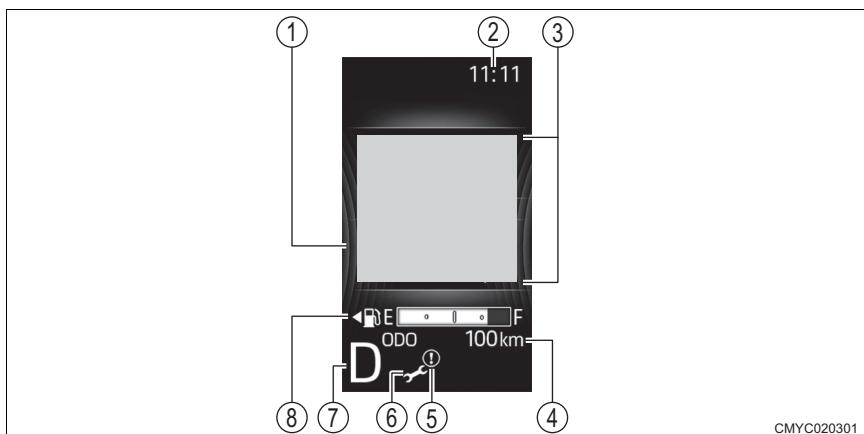
■ Liquid crystal display

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

TFT color multi-information display (4.2 inches)*

Display contents

TFT color multi-information display shows various information on vehicle and running, or allows you to change the settings.



① Eco driving assist illumination

Color of the illumination changes to green in 3 levels based on drivability regarding eco-friendliness.

② Clock display

Date is indicated while analog clock (→ P. 103) is displayed.

③ Display contents

A variety of information can be displayed by switching the basic screen.

Cautions or advice is displayed according to the driving conditions by pop-up notification.

④ Trip information (→ P. 97)

⑤ Message icon

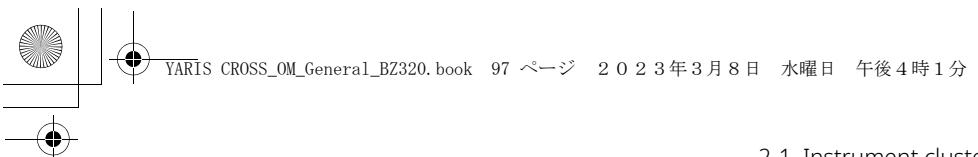
When this is lit, check the contents of the message (→ P. 99), and take appropriate measures immediately. (→ P. 530)

⑥ Maintenance icon

This icon turns on when notification is needed.

When this is lit, check the maintenance screen and after the maintenance, set again the maintenance period. (→ P. 99)

*: If equipped



⑦ Shift position display*

Indicates the selected shift position. (→ P. 231)

⑧ Fuel gauge

Indicates the amount of remaining fuel.

2-1. Instrument cluster

97

Display change

Press the display change switch to switch screens, or change the settings.

① ▲ / ▼ switches

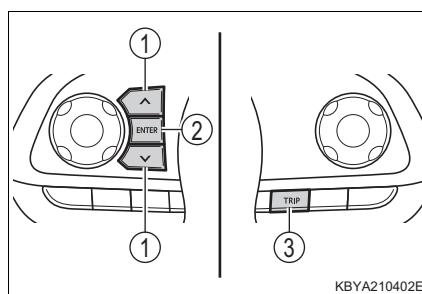
- Changes the basic screens. (→ P. 98)
- Moves up/down in the items in "Settings". (→ P. 100)

② ENTER switch

- Changes the display to "Settings". (→ P. 100)
- Determines or selects the item in "Settings". (→ P. 100)

③ TRIP switch

Switches display for trip information.
(→ P. 97)



2

Instrument cluster

Trip information

Each time you press the TRIP switch, the indication changes as follows.

① Odometer

Displays the total distance the vehicle has been driven.

② Trip meter A*

Displays the distance the vehicle has been driven since the meter was last reset.

To reset the Trip meter, press and hold the TRIP switch for more than 1 second, while trip meter A is displayed.

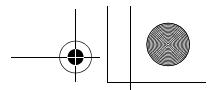
③ Trip meter B*

Displays the distance the vehicle has been driven since the meter was last reset.

To reset the Trip meter, press and hold the TRIP switch for more than 1 second, while trip meter B is displayed.

* Trip meters A and B can be used to record and display different distances independently.

*: If equipped



Basic screens

TFT color multi-information display has 4 types of basic screens.

Press the \wedge / \vee switch to select the basic screen to be displayed.

■ "Current"/"Average"

● "Current"

Indicates instantaneous fuel economy at present.

● "Average"

Indicates average fuel economy taken after reset.

- To reset, hold down the ENTER switch while "Average" is being displayed.
- Note that the figures displayed as average fuel economy are just for reference.

■ "Average"/"Range"

● "Range"

Indicates the approximate cruising distance to be attained with the amount of remaining fuel at present.

- The distance indicated is calculated based on the average fuel economy taken from the past, which does not necessarily represent the exact distance the vehicle can actually run.
- Pressing and holding the ENTER switch for approx. 5 seconds and longer while "Average"/"Range" is being displayed may erase the average fuel economy data from the past and refresh the display.
- The display may not be refreshed when the fuel supply is low.

■ "Average Speed"/"Trip Time"

● "Average Speed"

Displays the average speed from engine start to stop.

● "Trip Time"

Displays the running time from engine start to stop.

■ Clock display/outside temperature

There are 2 types of clock display/outside temperature. (\rightarrow P. 103)

● Clock display

You can select 2 types of displays: analog clock and digital clock. (\rightarrow P. 103)

● Outside temperature indication

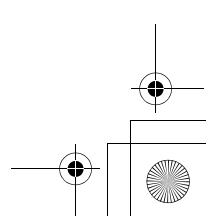
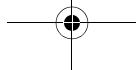
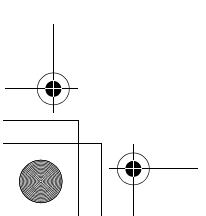
- Displays the outside temperature.

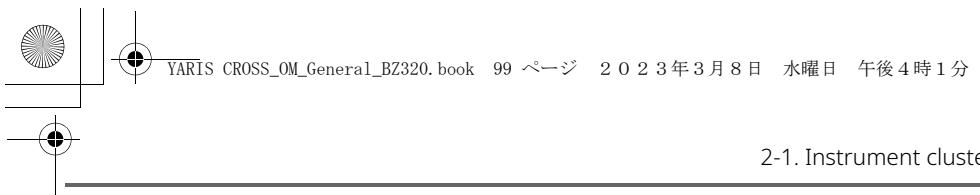
Outside temperature: the temperature is shown in a range from -30°C to 60°C (-22°F to 140°F).

- Road surface freezing warning is displayed when the outside temperature becomes 3°C (37°F) or lower.

Temperature indicator blinks indicating the road surface may possibly be frozen.

*: If equipped





2-1. Instrument cluster

99

■ Message check display

When there is a warning message that can be checked, "Messages Press ENTER" is displayed.

Press the ENTER switch to check the message.

When several messages are stored, press \wedge / \vee switch to change the display.

When no message is stored, "No Messages" will be displayed.

Steering wheel position monitor

When the shift lever is set to R, the orientation of front wheel tires displayed.

At the same time, the operating state of reverse sensors* (\rightarrow P. 359) is also displayed.

2

Instrument cluster

Opening screen

When the engine switch is turned to "ON", the date and the notification screen appear for a few seconds, after the presentation screen.

The following notification screens can be displayed.

- | | |
|------------------------------|--------------------------|
| ● New year greetings | ● Engine oil replacement |
| ● Birthday | ● Oil filter replacement |
| ● Anniversary | ● Tire rotation |
| ● Date of vehicle inspection | ● Distance driven |
| ● Date of inspection | |

■ New year greetings

Displayed on January 1.

■ Birthday, and Anniversary

Displayed on the specified days.

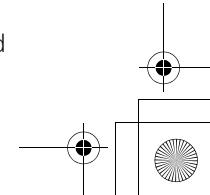
■ Date of vehicle inspection, and date of inspection

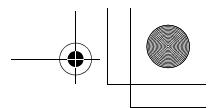
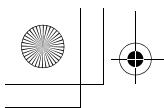
Displayed when the remaining days till the specified day are less than 1 month, and when once a day after the specified day.

■ Engine oil replacement, oil filter replacement, and tire rotation

Displayed once a day when the remaining distance to the specified distance becomes less than 500 km (300 miles) or when it has reached the specified distance.

*: If equipped





Ending screen

Displays the driving records from engine start to stop when the engine switch is turned "OFF".

■ Score (fuel economy)

When the ending setting is switched to "ECO" (→ P. 102), the driving records from engine start to stop will be displayed, and the score for environment-friendly level will be displayed as points.

Settings

While the vehicle is parked with the engine switch turned "ON", you can specify or adjust the display and configure the function "Settings" by pressing the ENTER switch to display the setup screen.

Note that the screen is not operable while the vehicle is running. Be sure to operate the screen when the vehicle is stopped in a safe place.

The following items can be set and adjusted.

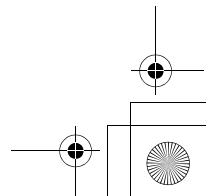
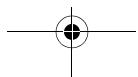
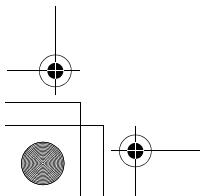
- | | |
|--|--|
| ●Instrument panel illumination adjustment (→ P. 100) | ●Wipers (→ P. 106) |
| ●Time and date (→ P. 101) | ●Turn signal lights (→ P. 106) |
| ●Display options (→ P. 102) | ●Maintenance (→ P. 106) |
| ●Clock display (→ P. 103) | ●Engine oil deterioration warning reset (→ P. 107) |
| ●Buzzers (→ P. 103) | ●Initialization of display settings (→ P. 108) |
| ●Notification dates (→ P. 104) | ●Language (→ P. 109) |
| ●Door lock (→ P. 105) | |

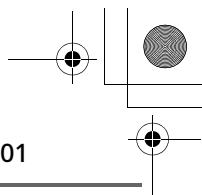
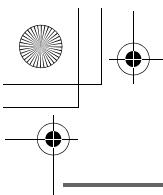
■ Instrument panel illumination adjustment

Day illumination or night illumination (→ P. 110) for the meter can be adjusted.

(Initial setting: → P. 108)

- 1 While the basic screen is displayed, press the ENTER switch to display "Settings"
- 2 Press the \wedge / \vee switch and select "Display Brightness", and then press the ENTER switch



**[3] Select the value, and press the ENTER switch**

- After is displayed, press / to adjust the brightness, and then press the ENTER switch again.
- Illumination can be adjusted in 10 steps.
 - ▶ Vehicles without auto lighting
 - Adjust day illumination by turning off the front position lights.
 - Adjust night illumination by turning on the front position lights.
 - ▶ Vehicles with auto lighting
 - Adjust day illumination when the ambient is too bright, or when front position lights are turned off.
 - Adjust night illumination when the ambient is too dark with front position lights turned on.

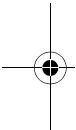
■ Time and date

Time and date can be set.

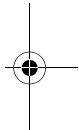
ON/OFF for automatic correction of time and date can be set.

2

Instrument cluster



[1] While the basic screen is displayed, press the ENTER switch to display "Settings"



[2] Press the and select "Time and Date", and then press the ENTER switch

[3] Press the and select an item you need to set, and then press the ENTER switch

- Each time you press the ENTER switch, the lamp for "Auto Time ADJ" changes between ON and OFF.
- When "Auto Time ADJ" is set to ON, the date and time adjustment is not available.



• For "Minute" and "Hour", after appears, use / switch to set the

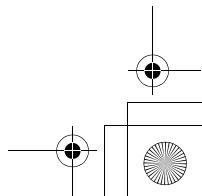
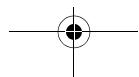
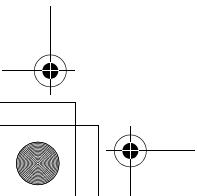
value, and press the ENTER switch again.

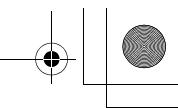
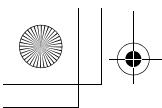
The clock starts counting from 0 second, which is the reset state of the set time.

- For "12H ⇄ 24H", "12H" (12-hour format) and "24H" (24-hour format) will be switched every time the ENTER switch is pressed.

- Regardless of the "12H ⇄ 24H" setting, the time is displayed in the 24-hour format during time adjustment.

[4] Press and hold the or press it several times to switch to the "Sort by Date", "Day", "Month", and "Year" screen





- 5 Press the \wedge / \vee switch and select "Sort by Date", "Day", "Month", or "Year", and press the ENTER switch

- For "Sort by Date", after appears, use the \wedge / \vee switch to select the display order of the date, and press the ENTER switch again.
- For "Day", "Month", and "Year", after appears, use the \wedge / \vee switch to set the value, and press the ENTER switch again.

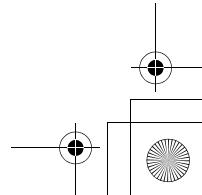
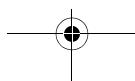
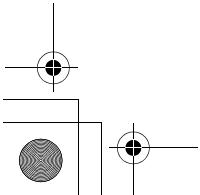
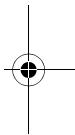
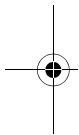
■ Settings of display options

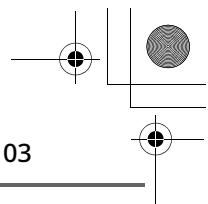
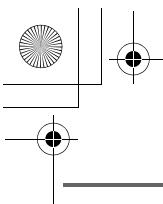
The follow settings can be selected as needed.

- ON/OFF of eco driving assist illumination
- ON/OFF of resetting average fuel economy when fueling
- ON/OFF of resetting Trip meter A when fueling
- ON/OFF of opening screen display
- Settings of ending screen display (Eco, Standard, OFF)
- ON/OFF of steering wheel position monitor (display of steering wheel position)

(Initial setting: → P. 108)

- 1 While the basic screen is displayed, press the ENTER switch to display "Settings"
- 2 Press the \wedge / \vee switch and select "Display Settings", and then press the ENTER switch
- 3 Press and hold the \wedge / \vee switch or press it several times to switch the "Display Settings" screen
- 4 Press \wedge / \vee switch to select settings for each function and press the ENTER switch
 - Each time you press the ENTER switch, the display switches to the screen to be displayed.
 - When appears after you press the ENTER switch, press \wedge / \vee switch to select the settings, and then press the ENTER switch again.





■ Clock display

The clock display screen can be selected.

(Initial setting: → P. 108)

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"
- ② Press the \wedge / \vee switch and select "Display Settings", and then press the ENTER switch
- ③ Press and hold the \wedge / \vee switch or press it several times to switch the "Display Settings" screen, select "Clock Display Type", and then press the ENTER switch
- ④ Press the \wedge / \vee switch to select "Clock1" or "Clock2", and press the ENTER switch

2

Instrument cluster

■ Buzzer setting

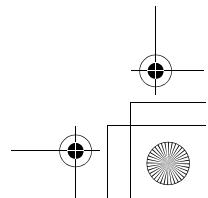
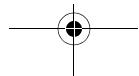
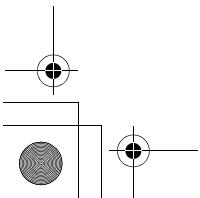
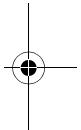
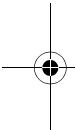
The follow settings can be selected as needed.

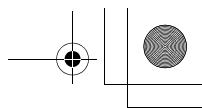
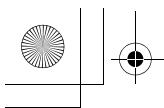
●Buzzer sound for turn signal (turn signal lights)

●Volume for opening screen

(Initial setting: → P. 108)

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"
- ② Press the \wedge / \vee switch to select "Buzzer", and press the ENTER switch
- ③ Press and hold the \wedge / \vee switch or press it several times to switch the "Buzzer Settings" screen
- ④ Press \wedge / \vee switch to select settings for each function and press the ENTER switch
 - Each time you press the ENTER switch, the display switches to the screen to be displayed.
 - When appears after you press the ENTER switch, press \wedge / \vee switch to select the settings, and then press the ENTER switch again.





■ Settings of notification dates

Notification dates to be displayed on the opening screen can be set for birthday, anniversary, date of vehicle inspection, and date of inspection.

(Initial setting: → P. 108)

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"
- ② Press and hold the \wedge / \vee switch or press it several times to switch the "Settings" screen, select "Notification Date Settings" and press the ENTER switch
- ③ Press the \wedge / \vee switch to select a value between 1 and 10 for "Date" and press the ENTER switch

Specified days from 6 to 10 can be displayed by pressing and holding \wedge / \vee switch, or press it several times.

- ④ In "Type", when appears after pressing the ENTER switch, use \wedge / \vee switch to select items

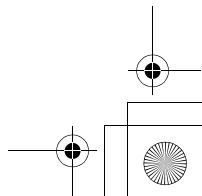
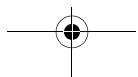
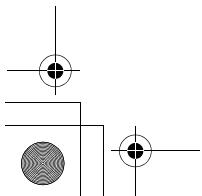
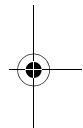
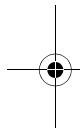
Select one of the following from "Birthday", "Anniversary", "Maintenance", or "Inspection", and press the ENTER switch again.

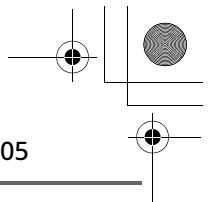
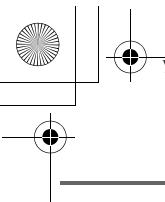
- ⑤ Press the \wedge / \vee switch and select "Day", "Month", and "Year" of the date, and press the ENTER switch

- After appears, use \wedge / \vee switch to set the value, and press the ENTER switch again.
- For "Birthday" and "Anniversary", there is no "Year" setting.

- ⑥ After completing the setting, press the \wedge / \vee switch to select , and press the ENTER switch

The selected category and will be displayed.





■ Settings of door locking

The follow settings can be selected as needed.

- ON/OFF of speed linked door locking (→ P. 156)

Setting this ON will turn OFF the setting for door locking linked with shifting.

- ON/OFF of door locking linked with shifting* (→ P. 156)

When this set to ON, the setting for speed linked door locking turns OFF.

- ON/OFF of door unlocking linked with shifting* (→ P. 156)

When this is set to ON, the setting for door unlocking at the time of the ignition OFF (when the engine switch is "OFF") turns OFF.

- ON/OFF of door unlocking at the time of the ignition OFF (when the engine switch is "OFF") (→ P. 156)

Setting this ON will turn OFF the setting for door unlocking linked with shifting.

- Buzzer volume for answering back (signal for key-free system activation) (→ P. 143)

- ON/OFF of emergency flashers for answering back (signal for key-free system activation) (→ P. 143)

(List of customizable features: → P. 588)

[1] While the basic screen is displayed, press the ENTER switch to display "Settings"

[2] Press and hold the \wedge / \vee switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch

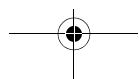
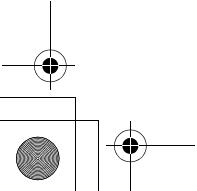
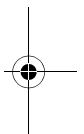
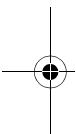
[3] Press the \wedge / \vee switch to select "Door Lock" and press the ENTER switch

[4] Press and hold the \wedge / \vee switch or press it several times to switch the "Door Lock" screen

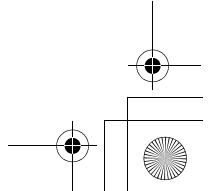
[5] Press \wedge / \vee switch to select settings for each function and press the ENTER switch

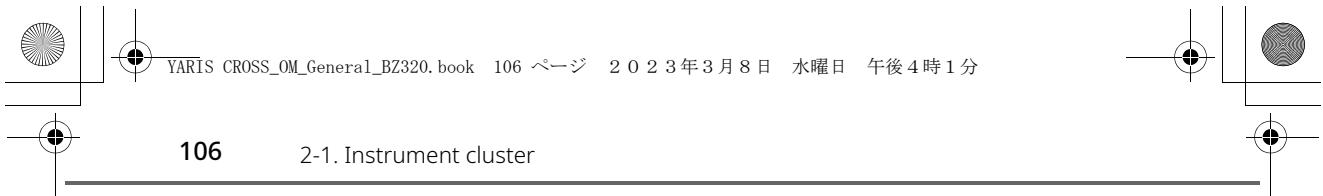
- Each time you press the ENTER switch, the display switches to the screen to be displayed.

- When appears after you press the ENTER switch, press \wedge / \vee switch to select the settings, and then press the ENTER switch again.



*: If equipped





■ Settings of wipers

The follow settings can be selected as needed.

- ON/OFF of speed linked windshield wipers (→ P. 262)
- ON/OFF of rear wiper activation linked with reverse position (→ P. 266)

(List of customizable features: → P. 588)

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"
- ② Press and hold the \wedge / \vee switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- ③ Press the \wedge / \vee switch to select "Wiper" and press the ENTER switch
- ④ Press the ENTER switch to switch settings

Each time you press the ENTER switch, the lamp changes between ON and OFF.

■ Settings of turn signal lights

You can set ON/OFF of the one-touch turn signal lights (3-time blinking of turn signal indicator when the turn signal lever is pushed half way through).

(List of customizable features: → P. 588)

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"
- ② Press and hold the \wedge / \vee switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- ③ Press the \wedge / \vee switch to select "Turn Signal" and press the ENTER switch
- ④ Press the ENTER switch to switch settings

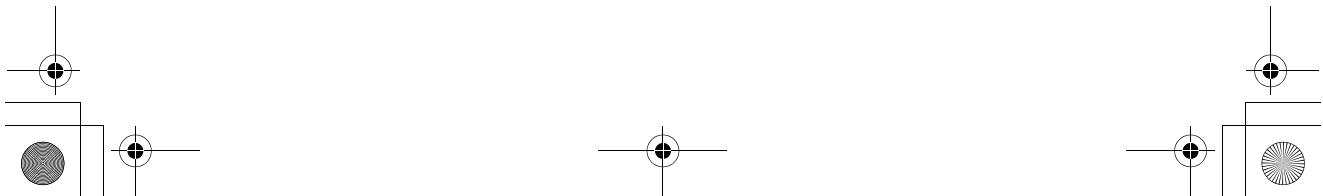
Each time you press the ENTER switch, the lamp changes between ON and OFF.

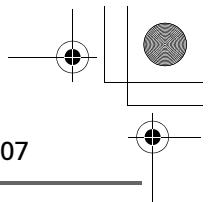
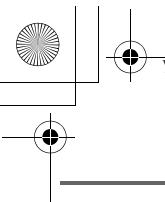
■ Settings of maintenance

Timings for engine oil replacement, oil filter replacement, and tire rotation, which appear on the opening screen can be set by the unit of distance.

(Initial setting: → P. 108)

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"





[2] Press and hold the \wedge / \vee switch or press it several times to switch the "Settings" screen, select "Maintenance Settings" and press the ENTER switch

[3] To set ON/OFF, press the ENTER switch to switch settings

Screens for oil filter replacement and tire rotation can be displayed by pressing and holding \wedge / \vee switch, or pressing it several times.

► When the display is set to OFF and the distance is not specified

It displays the "Next Notice Timing" screen, as specified in Step **[5]**. (→ P. 107)

► If the distance is already set

Each time you press the ENTER switch, the lamp changes between ON and OFF.

2

Instrument cluster

[4] To set or reset the distance, press the \wedge / \vee switch to select "Notification Timing" for each maintenance item, and then press the ENTER switch

Screens for oil filter replacement and tire rotation can be displayed by pressing and holding \wedge / \vee switch, or pressing it several times.

[5] Press \wedge / \vee switch to select distance and press the ENTER switch

- After appears, use \wedge / \vee switch to set the distance, and press the ENTER switch again.
- If the distance is already set, the distance to go before the next notification time is displayed.
- To reset the distance, press the \wedge / \vee switch to select "Reset" and press the ENTER switch.

■ Engine oil deterioration warning reset

Perform this operation after the engine oil has been changed.

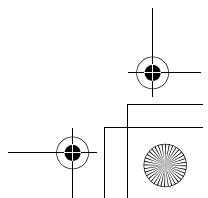
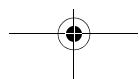
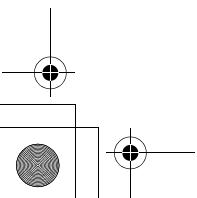
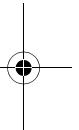
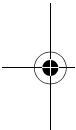
When the engine oil is deteriorated or the engine oil replacement is due soon, a message reminding you of changing the engine oil will appear (→ P. 540).

[1] While the basic screen is displayed, press the ENTER switch to display "Settings"

[2] Press and hold the \wedge / \vee switch or press it several times to switch the "Settings" screen, select "Oil Warning Reset" and press the ENTER switch

[3] Press the \wedge / \vee switch to select "Yes", and then press the ENTER switch

Make sure that "Reset Completed" is displayed.



■ Initialization of display settings

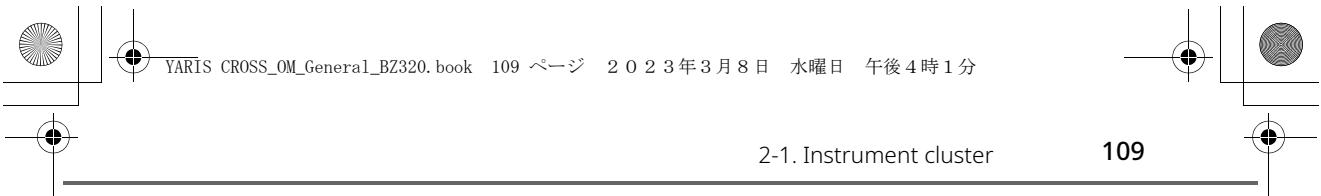
Display settings can be initialized (default setting).

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"
- ② Press and hold the **↖ / ↘** switch or press it several times to switch the "Settings" screen, select "Reset Settings" and press the ENTER switch
- ③ Press the **↖ / ↘** switch to select "Yes", and then press the ENTER switch

Items in the following table are initialized.

Item	Initial setting
"Display Brightness"	For day illumination
	Level 8
"Time and Date"	For night illumination
	Level 6
"Display Settings"	"12H/24H"
	"24H"
	"Eco Indicator Light"
	ON
	"AVG Fuel Reset after Refuel"
	OFF
	"Trip A Reset after Refuel"
	OFF
"Buzzer"	"Opening Display"
	ON
"Notification Date Settings"	"Ending Display Type"
	"STD"
"Maintenance Settings"	"Steering Angle"
	ON
"Language"	"Clock Display Type"
	"Clock1"
	*

* Initial setting of language varies according to the vehicle grade level, etc.



■ Language

The language displayed on the TFT color multi-information display can be switched to the following languages:

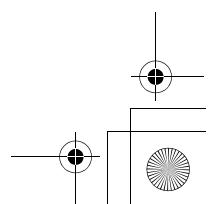
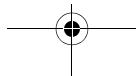
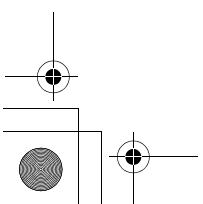
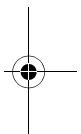
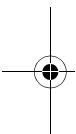
- English
- Spanish
- Portuguese
- Indonesian
- Thai
- French
- Taiwan

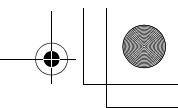
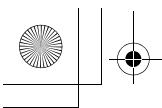
2

Instrument cluster

- ① While the basic screen is displayed, press the ENTER switch to display "Settings"
- ② Press and hold the \wedge / \vee switch or press it several times to switch the "Settings" screen, select "Language" and press the ENTER switch
- ③ Press the \wedge / \vee switch to select the language you want to use, and press the ENTER switch
- ④ Press the \wedge / \vee switch to select "Yes", and then press the ENTER switch

The display will be changed to the selected language.



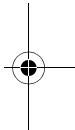
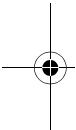


■ About instrument panel illumination (day illumination and night illumination)

- There are 2 types of instrument panel illumination: day illumination and night illumination, and the illumination changes at the following times.
 - ▶ Vehicles without auto lighting
 - Day illumination: when the front position lights are turned off
 - Night illumination: when the front position lights are turned on
 - ▶ Vehicles with auto lighting
 - Day illumination: when the ambient is bright, or front position lights are turned off
 - Night illumination: when the ambient is dark and front position lights are turned on
- Instrument panel lights become dimmer when it switches to night illumination. However, illumination does not become dimmer when the level for night illumination is set to the brightest.

■ About automatic correction of time and date

Automatic correction of time and date cannot be set if a device other than multimedia system is connected.



■ "Settings" operation

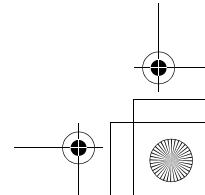
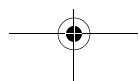
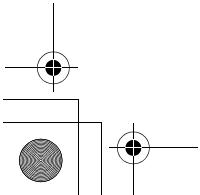
- When the basic screen of the message check display (→ P. 99) is selected and it shows "Messages Press ENTER", "Settings" cannot be displayed. (→ P. 100)
- The operation will be temporarily suspended if any of the following conditions occur during the "Settings" operation.
 - When warning messages are displayed
 - When the vehicle starts driving
- To return to the previous "Settings", press the / switch to select and press the ENTER switch.
- To finish "Settings", press the / switch to select , and press the ENTER switch.
- If the settings cannot be changed even after performing the operation, the "Settings Failed" message will appear.

■ When battery terminals are connected/disconnected

Clock data is reset when battery terminals are connected or disconnected.

■ Liquid crystal display

→ P. 95



■ About notification screen

- Notification screen is displayed once a day.
- Birthday, and Anniversary day set to February 29 are displayed on March 1, except the leap year.

■ Voice recognition system*

In vehicles with a multimedia system, you can check the outside temperature and the cruising distance via voice using the voice recognition system. For details, refer to the instruction manual included with the multimedia system.

2

Instrument cluster

WARNING

■ Caution while driving

For safety reasons, do not use the operation switch while driving. Doing so is dangerous and may lead to an accident such as incorrect operation of the steering wheel.

Stop the vehicle to operate it. While driving, keep the time that you look at the display to the minimum necessary.

■ When changing settings

As the engine needs to be running 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 cause death or a serious health hazard.

NOTICE

■ Screen display at low temperatures

When the display screen temperature is extremely low, the display changes may be delayed. Allow the interior of the vehicle to warm up before using it.

■ When changing display settings

Make sure that the engine is running, as otherwise the battery may discharge.

■ About cruising distance

Even if the value indicated for cruising distance seems sufficient, try to fill the fuel tank when the fuel gauge nears "E", or the low fuel level warning light turns on.

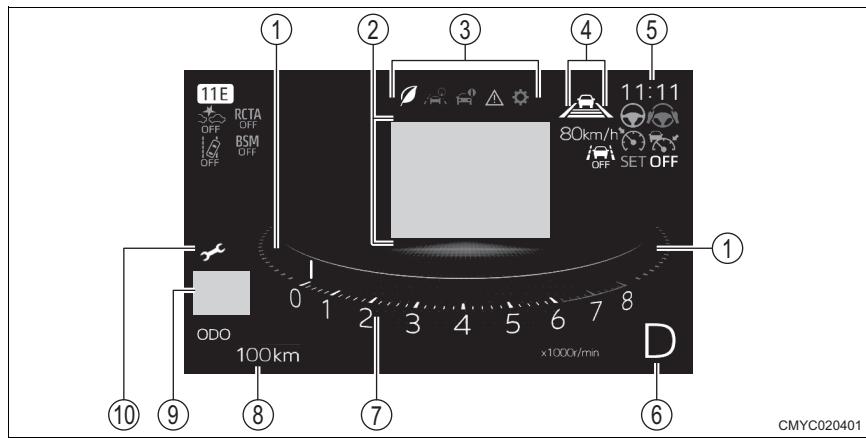
*: If equipped

TFT color multi-information display (7 inches)*

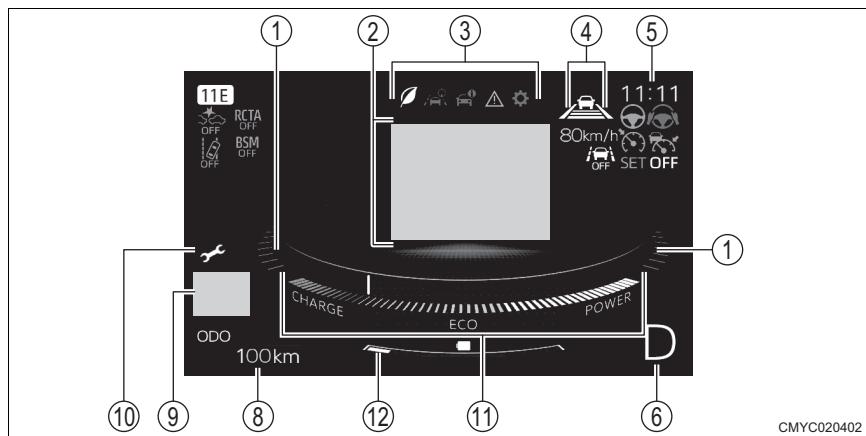
Display contents

TFT color multi-information display shows various information on vehicle and running, or allows you to change the settings.

► Gasoline vehicles



► Hybrid electric vehicles



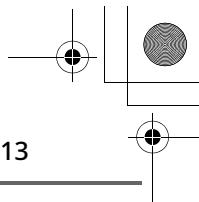
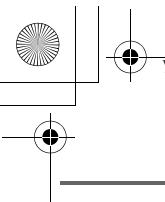
① Eco driving assist illumination

Color of the illumination changes to green in 3 levels based on drivability regarding eco-friendliness.

When power mode is selected, the illumination changes to red. (→ P. 232, 240)

The illumination color does not change when using the Adaptive Cruise Control*. (→ P. 320)

*: If equipped



② Display contents

A variety of information can be displayed by switching menu icons.

Cautions or advice is displayed according to the driving conditions by pop-up notification.

③ Menu icons

Switching icons will display various contents.

④ Display of mini driving assist screen* (→ P. 312, 320, 340)

This does not appear while driving assist screen (→ P. 116) is being displayed.

⑤ Clock display

Date is indicated while analog clock (→ P. 116) is displayed.

2

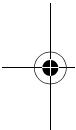
Instrument cluster

⑥ Shift position display*

Indicates the selected shift position. (→ P. 231, 239)

⑦ Tachometer display

The engine speed in revolutions per minute is displayed.

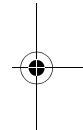


⑧ Trip information (→ P. 114)

⑨ Outside temperature indication

- Displays the outside temperature.

Outside temperature: the temperature is shown in a range from -30°C to 60°C (-22°F to 140°F).



- Road surface freezing warning is displayed when the outside temperature becomes 3°C (37°F) or lower.

Temperature indicator blinks indicating the road surface may possibly be frozen.

⑩ Maintenance icon

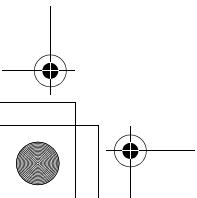
This icon turns on when notification is needed.

When this is lit, check the maintenance screen and after the maintenance, set again the maintenance period. (→ P. 127)

⑪ Hybrid system indicator

Displays the output (power) and charging (power recovery amount) states while driving.

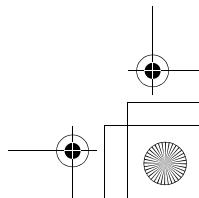
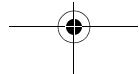
- "CHARGE" area: Indicates the state where the power produced by the regenerative braking is charged in the hybrid battery (traction battery).
- "ECO" area: Indicates the state where the vehicle is driven in consideration of the environment in the cases such as driving and accelerating at a constant speed. In the first half of the "ECO" area, gasoline engine power is not being used very often. (Hybrid Eco area)
- "POWER" area: Indicates the state where the vehicle is driven by consuming more power in the cases such as rapid acceleration.



⑫ State of charge indication of hybrid battery (traction battery)

Displays the state of charge of the hybrid battery (traction battery).

*: If equipped



Display change

Press the display change switch to switch screens, or change the settings.

① $\wedge/\vee/\langle/\rangle$ switches

- Switches menus.
- Switches contents, feeds page, and moves cursor

② ENTER switch

- Selects and confirms items.
- Resets items for running information
(→ P. 115) by pressing and holding this.

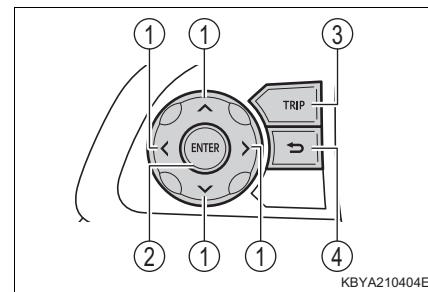
③ TRIP switch

Switches display for trip information.
(→ P. 114)

④ RETURN switch

Goes back to the previous screen.

Goes back to the initial screen by
pressing and holding this.



Basic screens

TFT color multi-information display switches between 4 types of basic screens.

(Initial setting: → P. 129)

- 1 Press \langle/\rangle switch to switch menu to
- 2 Press the \wedge/\vee switch and select "Designs", and then press the ENTER switch
- 3 Press \wedge/\vee switch to select a screen and press the ENTER switch

Trip information

Each time you press the TRIP switch, the indication changes as follows.

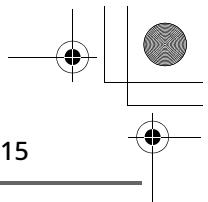
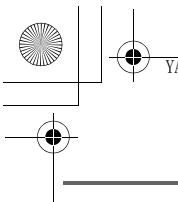
① Odometer

Displays the total distance the vehicle has been driven.

② Trip meter A*

Displays the distance the vehicle has been driven since the meter was last reset.

To reset the Trip meter, press and hold the TRIP switch for more than 1 second,
while trip meter A is displayed.



③ Trip meter B*

Displays the distance the vehicle has been driven since the meter was last reset.

To reset the Trip meter, press and hold the TRIP switch for more than 1 second, while trip meter B is displayed.

* Trip meters A and B can be used to record and display different distances independently.

Running information

Various information on fuel economy is displayed.

2

Instrument cluster

① Press < / > switch to switch menu to

② Press ▲ / ▼ switch to switch display contents

■ "Current"/"Average"

● "Current"

Indicates instantaneous fuel economy at present.

● "Average"

Indicates average fuel economy taken after reset.

- To reset, hold down the ENTER switch while "Average" is being displayed.
- Note that the figures displayed as average fuel economy are just for reference.

■ "Range"

Indicates the approximate cruising distance to be attained with the amount of remaining fuel at present.

● The distance indicated is calculated based on the average fuel economy taken from the past, which does not necessarily represent the exact distance the vehicle can actually run.

- Pressing and holding the ENTER switch for approx. 5 seconds and longer while "Range" is being displayed may erase the average fuel economy data from the past and refresh the display.

● The display may not be refreshed when the fuel supply is low.

■ "Trip Time"/"EV Driving Ratio" (hybrid electric vehicles)

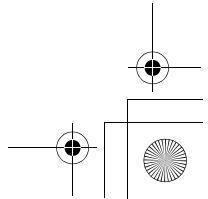
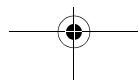
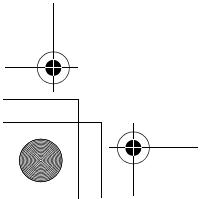
● "Trip Time"

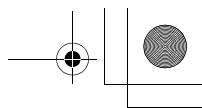
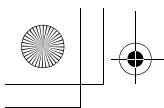
Displays the driving time since the hybrid system has started.*

* Since the calculation standard is different, the value may be different from "Trip Time" displayed on the ending screen.

● "EV Driving Ratio"

Displays the ratio of EV driving in "Trip Time".





Running assistance function (vehicles with Toyota Safety Sense)

Various information on Running assistance is displayed.

- ① Press < / > switch to switch menu to
- ② Press ▲ / ▼ switch to switch display contents

■ Driving assist screen

Operating conditions for the following of systems can be checked:

- Adaptive Cruise Control (→ P. 320)
- LKC (→ P. 340)
- Lane Departure Warning/Lane departure prevention (→ P. 311)

Vehicle information

Various information on vehicles is displayed.

- ① Press < / > switch to switch menu to
- ② Press ▲ / ▼ switch to switch display contents

■ Energy monitor (hybrid electric vehicles)

Displays the vehicle driving status, hybrid system operating status, and energy recovery status. (→ P. 134)

■ Tire pressure*

Displays the air pressure and temperature of each tire. (→ P. 478)

■ Analog clock

Analog clock is displayed.

■ Screen OFF

Contents are hidden.

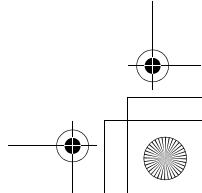
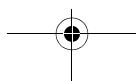
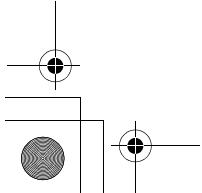
Warning messages

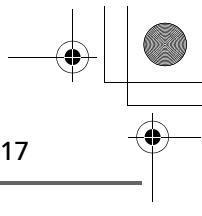
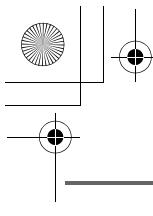
turns yellow only when a warning message with further confirmation is available.

Press < / > switch to switch menu to .

When a malfunction is found, messages regarding the issue and the measure to be taken are displayed.

*: If equipped





When several messages are displayed, press **▲ / ▼** switch to toggle the messages.

When no message is stored, "No Messages" will be displayed.

Spot display (vehicles with Toyota Safety Sense)

When any of the following systems get activated, the screen changes to the spot display and shows the operating state. The previous screen will be restored after the following systems are no longer activated.

- Adaptive Cruise Control (→ P. 320)
- LKC (→ P. 340)
- Lane Departure Warning/Lane departure prevention (→ P. 311)

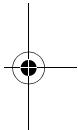
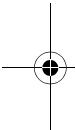
2

Instrument cluster

Steering wheel position monitor

When the shift lever is set to R, the orientation of front wheel tires displayed.

At the same time, the operating state of the corner sensors*/reverse sensors* (→ P. 359) is also displayed.



Opening screen

When the engine switch <power switch> is turned to "ON", the date and the notification screen appear for a few seconds, after the presentation screen.

The following notification screens can be displayed.

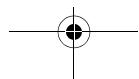
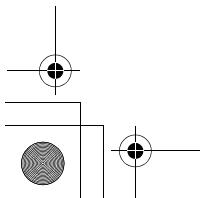
- | | |
|------------------------------|--------------------------|
| ● New year greetings | ● Engine oil replacement |
| ● Birthday | ● Oil filter replacement |
| ● Anniversary | ● Tire rotation |
| ● Date of vehicle inspection | ● Distance driven |
| ● Date of inspection | |

■ New year greetings

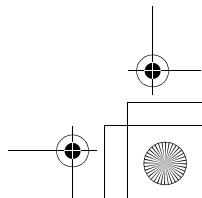
Displayed on January 1.

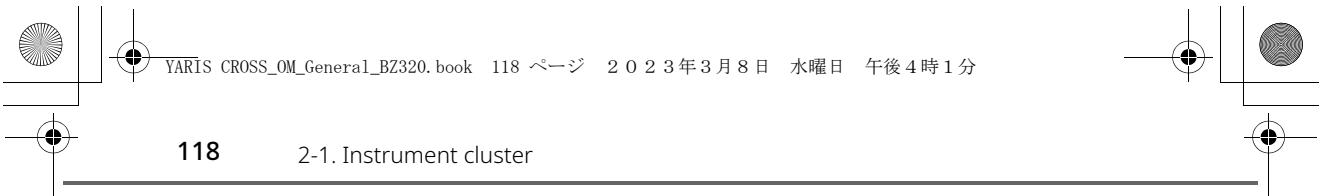
■ Birthday, and Anniversary

Displayed on the specified days.



*: If equipped





■ Date of vehicle inspection, and date of inspection

Displayed when the remaining days till the specified day are less than 1 month, and when once a day after the specified day.

■ Engine oil replacement, oil filter replacement, and tire rotation

Displayed once a day when the remaining distance to the specified distance becomes less than 500 km (310 miles) or when it has reached the specified distance.

Ending screen

When the engine switch <power switch> is turned "OFF", the notification screen appears.

■ Driving record, scores (fuel economy)

When the ending setting is switched to "ECO" (→ P. 121), the driving records, which were taken between a period from turning the engine switch <power switch> "ON" to "OFF", will be displayed, and the score for environment-friendly level will be displayed as points.

Settings

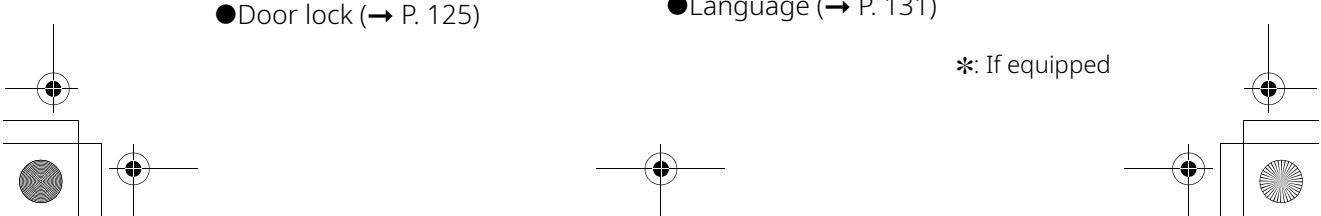
While the vehicle is parked with the engine switch <power switch> turned "ON", you can specify or adjust the display and configure the function settings by pressing the </> switch to change the menu to .

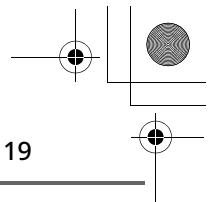
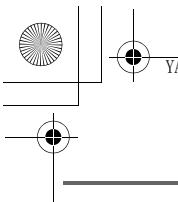
Note that the screen is not operable while the vehicle is running. Be sure to operate the screen when the vehicle is stopped in a safe place.

The following items can be set and adjusted.

- | | |
|---|---|
| ● Instrument panel illumination adjustment (→ P. 119) | ● Wipers (→ P. 126) |
| ● Time and date (→ P. 120) | ● Turn signal lights (→ P. 126) |
| ● Screens (→ P. 114) | ● Welcome lamp setting* (→ P. 126) |
| ● Display options (→ P. 121) | ● Power back door* (→ P. 127) |
| ● Buzzers (→ P. 122) | ● Maintenance (→ P. 127) |
| ● Notification dates (→ P. 123) | ● Engine oil deterioration warning reset (→ P. 129) |
| ● Toyota Safety Sense* (→ P. 123) | ● Initialization of display settings (→ P. 129) |
| ● BSM/RCTA* (→ P. 124) | ● Language (→ P. 131) |
| ● Door lock (→ P. 125) | |

*: If equipped





■ Instrument panel illumination adjustment

Day illumination or night illumination (→ P. 132) for the meter can be adjusted.

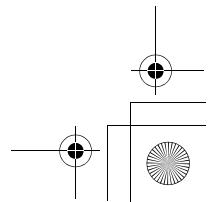
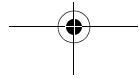
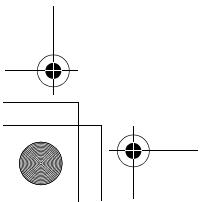
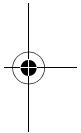
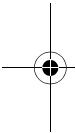
(Initial setting: → P. 129)

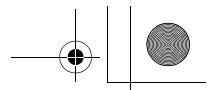
- ① Press < / > switch to switch menu to
- ② Press the ▲ / ▼ switch and select "Display Brightness", and then press the ENTER switch
- ③ After pressing the ENTER switch, press ▲ / ▼ switches to adjust the brightness

2

Instrument cluster

- After is displayed, press ▲ / ▼ to adjust the brightness, and then press the ENTER switch again.
- Illumination can be adjusted in 10 steps.
 - ▶ Vehicles without auto lighting
 - Adjust day illumination by turning off the front position lights.
 - Adjust night illumination by turning on the front position lights.
 - ▶ Vehicles with auto lighting
 - Adjust day illumination when the ambient is too bright, or when front position lights are turned off.
 - Adjust night illumination when the ambient is too dark with front position lights turned on.





■ Time and date

Time and date can be set.

For vehicles equipped with the multimedia system:

ON/OFF for automatic correction of time and date can be set.

- 1 Press </> switch to switch menu to 
- 2 Press the ▲ / ▼ switch and select "Time and Date", and then press the ENTER switch
- 3 Press ▲ / ▼ / </> switch to select an item you need to set, and press the ENTER switch

- Each time you press the ENTER switch, the lamp for "Auto Adjust" changes between ON and OFF.
- When "Auto Adjust" is set to ON, the date and time adjustment is not available.

- For Hour/Minute, after  appears, use ▲ / ▼ switch to set the value, and press the ENTER switch again.

The clock starts counting from 0 second, which is the reset state of the set time.

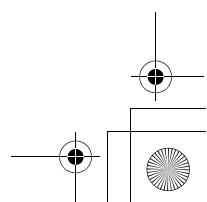
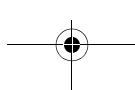
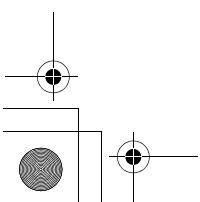
- For "12H/24H", "12H" (12-hour format) and "24H" (24-hour format) will be switched every time the ENTER switch is pressed.
- Regardless of the "12H/24H" setting, the time is displayed in the 24-hour format during time adjustment.

- For "Sort by Date", after  appears, use ▲ / ▼ switch to select the display order of the date, and press the ENTER switch again.

- For "Day", "Month", and "Year", after  appears, use ▲ / ▼ switch to set the value, and press the ENTER switch again.

■ Screen selection

Basic screens can be changed. (→ P. 114)



■ Settings of display options

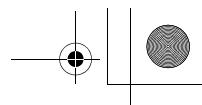
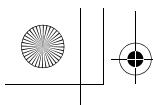
The follow settings can be selected as needed.

- ON/OFF of eco driving assist illumination
- ON/OFF of resetting average fuel economy when fueling
- ON/OFF of resetting Trip meter A when fueling
- ON/OFF of opening screen display
- Settings of ending screen display (Eco, Standard, OFF)
- ON/OFF of steering wheel position monitor (display of steering wheel position)
- ON/OFF of driving assist screen automatic switching*
- ON/OFF of driving mode switching guide display* (→ P. 232, 240)
- ON/OFF of EV indicator (hybrid electric vehicles) (→ P. 71)

(Initial setting: → P. 129)

- ① Press < / > switch to switch menu to 
- ② Press the ▲ / ▼ switch and select "Display Settings", and then press the ENTER switch
- ③ Press and hold the ▲ / ▼ switch or press it several times to switch the "Display Settings" screen
- ④ Press ▲ / ▼ switch to select settings for each function and press the ENTER switch
 - Each time you press the ENTER switch, the display switches to the screen to be displayed.
 - When  appears after you press the ENTER switch, press ▲ / ▼ switch to select the settings, and then press the ENTER switch again.

*: If equipped



■ Buzzer setting

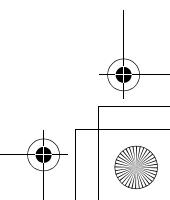
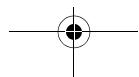
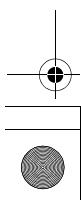
The follow settings can be selected as needed.

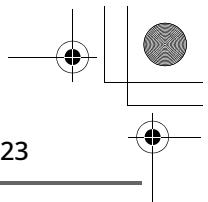
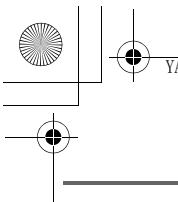
- Buzzer volume for front departure alert* (→ P. 318)
- Buzzer volume for Lane Departure Warning* (→ P. 311)
- Buzzer sound for turn signal (turn signal lights)
- Volume for opening screen
- ON/OFF of vehicle ahead recognition buzzer for Adaptive Cruise Control* (→ P. 320)
- BSM buzzer volume* (→ P. 348)
- RCTA buzzer volume* (→ P. 348)

(Initial setting: → P. 129)

- ① Press < / > switch to switch menu to
- ② Press and hold the / switch or press it several times to switch the "Settings" screen, select "Buzzer" and press the ENTER switch
- ③ Press and hold the / switch or press it several times to switch the "Buzzer Settings" screen
- ④ Press / switch to select settings for each function and press the ENTER switch
 - Each time you press the ENTER switch, the display switches to the screen to be displayed.
 - When appears after you press the ENTER switch, press / switch to select the settings, and then press the ENTER switch again.

*: If equipped





■ Settings of notification dates

Notification dates to be displayed on the opening screen can be set for birthday, anniversary, date of vehicle inspection, and date of inspection.

(Initial setting: → P. 129)

- ① Press < / > switch to switch menu to
- ② Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Notification Date Settings" and press the ENTER switch
- ③ Press the ▲ / ▼ switch to select a value between 1 and 10 for "Date" and press the ENTER switch

Specified days from 6 to 10 can be displayed by pressing and holding ▲ / ▼ switch, or press it several times.

- ④ In "Category", when appears after pressing the ENTER switch, use ▲ / ▼ switch to select items

Select one of the following from "Birthday", "Anniversary", "Car Inspection Day", or "Maintenance Day", and press the ENTER switch again.

- ⑤ Press the ▲ / ▼ switch to select the year, month, and day for "Date" and press the ENTER switch

- After appears, use ▲ / ▼ switch to set the value, and press the ENTER switch again.
- For "Birthday" and "Anniversary", there is no "Year" setting.

- ⑥ When setting is complete, press the RETURN switch

The selected category and will be displayed.

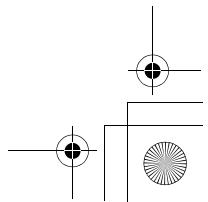
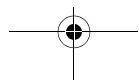
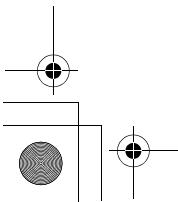
■ Settings of Toyota Safety Sense*

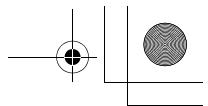
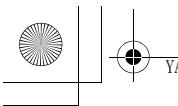
The follow settings can be selected as needed.

- ON/OFF of front departure alert (→ P. 318)
- Timing for front departure alert (→ P. 318)
- Timing for pre-collision warning (→ P. 284, 293)
- Timing for Lane Departure Warning (→ P. 311)
- ON/OFF of steering assist (lane departure prevention, LKC) (→ P. 311)

(List of customizable features: → P. 588)

*: If equipped





- 1 Press </> switch to switch menu to
- 2 Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- 3 Press the ▲ / ▼ switch to select "Front Camera" and press the ENTER switch
- 4 Press and hold the ▲ / ▼ switch or press it several times to switch the "Front Camera" screen
- 5 Press ▲ / ▼ switch to select settings for each function and press the ENTER switch
 - Each time you press the ENTER switch, the display switches to the screen to be displayed.
 - When appears after you press the ENTER switch, press ▲ / ▼ switch to select the settings, and then press the ENTER switch again.

■ Settings of BSM/RCTA*

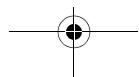
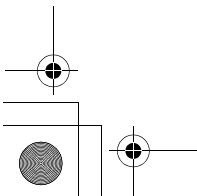
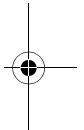
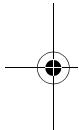
The follow settings can be selected as needed.

- ON/OFF of BSM (→ P. 348)
- ON/OFF of RCTA (→ P. 348)
- Luminance of outside rear view mirror indicators (→ P. 348)

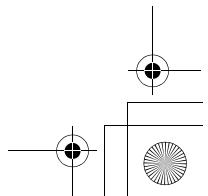
(List of customizable features: → P. 588)

- 1 Press </> switch to switch menu to
- 2 Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- 3 Press the ▲ / ▼ switch to select "BSM/RCTA" and press the ENTER switch
- 4 Press ▲ / ▼ switch to select settings for each function and press the ENTER switch

Each time you press the ENTER switch, the display switches to the screen to be displayed.



*: If equipped



■ Settings of door locking

The follow settings can be selected as needed.

●ON/OFF of speed linked door locking (→ P. 156)

Setting this ON will turn OFF the setting for door locking linked with shifting*.

●ON/OFF of door locking linked with shifting* (→ P. 156)

When this set to ON, the setting for speed linked door locking turns OFF.

●ON/OFF of door unlocking linked with shifting* (→ P. 156)

When this is set to ON, the setting for door unlocking at the time of the ignition OFF (when the engine switch <power switch> is "OFF") turns OFF.

●ON/OFF of door unlocking at the time of the ignition OFF (when the engine switch <power switch> is "OFF") (→ P. 156)

Setting this ON will turn OFF the setting for door unlocking linked with shifting*.

●Buzzer volume for answering back (signal for key-free system activation) (→ P. 143)

●ON/OFF of emergency flashers for answering back (signal for key-free system activation) (→ P. 143)

●ON/OFF of welcome door unlocking* (→ P. 159)

(List of customizable features: → P. 588)

1 Press </> switch to switch menu to 

2 Press and hold the  /  switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch

3 Press the  /  switch to select "Door Lock" and press the ENTER switch

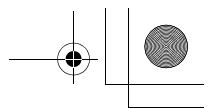
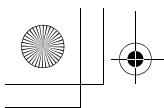
4 Press and hold the  /  switch or press it several times to switch the "Door Lock" screen

5 Press  /  switch to select settings for each function and press the ENTER switch

- Each time you press the ENTER switch, the display switches to the screen to be displayed.

- When  appears after you press the ENTER switch, press  /  switch to select the settings, and then press the ENTER switch again.

*: If equipped



■ Settings of wipers

The follow settings can be selected as needed.

- ON/OFF of speed linked windshield wipers (→ P. 262)
 - ON/OFF of rear wiper activation linked with reverse position (→ P. 266)
- (List of customizable features: → P. 588)

- 1 Press < / > switch to switch menu to
- 2 Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- 3 Press the ▲ / ▼ switch to select "Wiper" and press the ENTER switch
- 4 Press the ENTER switch to switch settings

Each time you press the ENTER switch, the lamp changes between ON and OFF.

■ Settings of turn signal lights

You can set ON/OFF of the one-touch turn signal lights (3-time blinking of turn signal indicator when the turn signal lever is pushed half way through).

(List of customizable features: → P. 588)

- 1 Press < / > switch to switch menu to
- 2 Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- 3 Press the ▲ / ▼ switch to select "Turn Signal" and press the ENTER switch
- 4 Press the ENTER switch to switch settings

Each time you press the ENTER switch, the lamp changes between ON and OFF.

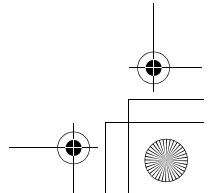
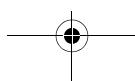
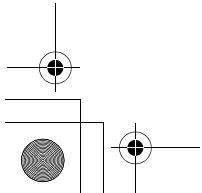
■ Welcome lamp setting*

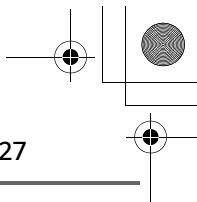
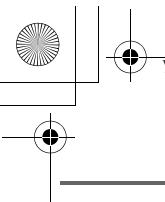
The following settings can be made.

- ON/OFF of linking with interior light (→ P. 162)
 - Brightness of illumination light (→ P. 413)
 - ON/OFF of leaving home lamp (→ P. 256)
- (List of customizable features: → P. 588)

- 1 Press < / > switch to switch menu to

*: If equipped





- 2 Press and hold the / switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- 3 Press and hold the / switch or press it several times to switch the "Vehicle Settings" screen, select "Welcome Lamp" and press the ENTER switch
- 4 Press the ENTER switch to switch settings
 - Each time you press the ENTER switch, the lamp changes between ON and OFF.
 - When appears after you press the ENTER switch, press / switch to select the settings, and then press the ENTER switch again.

2

Instrument cluster

■ Power back door*

The following settings can be made.

- ON/OFF of power back door
- ON/OFF of hands free power back door
- Adjustment of open position for power back door
- Buzzer volume

(List of customizable features: → P. 588)

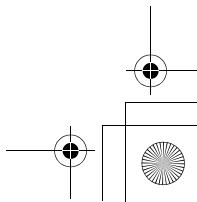
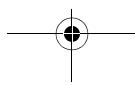
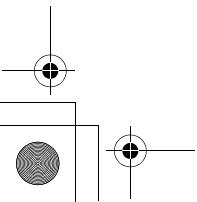
- 1 Press / switch to switch menu to
- 2 Press and hold the / switch or press it several times to switch the "Settings" screen, select "Vehicle Settings" and press the ENTER switch
- 3 Press and hold the / switch or press it several times to switch the "Vehicle Settings" screen, select "PBD" and press the ENTER switch
- 4 Press the ENTER switch to switch settings
 - Each time you press the ENTER switch, the lamp changes between ON and OFF.
 - When appears after you press the ENTER switch, press / switch to select the settings, and then press the ENTER switch again.

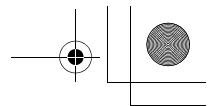
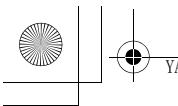
■ Settings of maintenance

Timings for engine oil replacement, oil filter replacement, and tire rotation, which appear on the opening screen can be set by the unit of distance.

(Initial setting: → P. 129)

*: If equipped





- 1 Press </> switch to switch menu to
- 2 Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Maintenance Settings" and press the ENTER switch
- 3 To set ON/OFF, press the ENTER switch to switch settings

Screens for oil filter replacement and tire rotation can be displayed by pressing and holding ▲ / ▼ switch, or pressing it several times.

► When the display is set to OFF and the distance is not specified

It displays the "Next Notice Timing" screen, as specified in Step 5. (→ P. 128)

► If the distance is already set

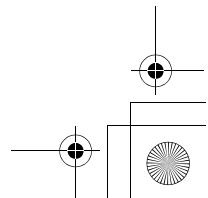
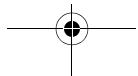
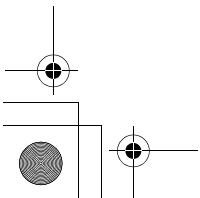
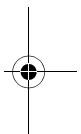
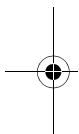
Each time you press the ENTER switch, the lamp changes between ON and OFF.

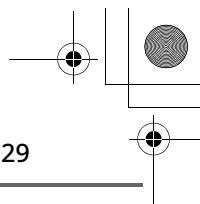
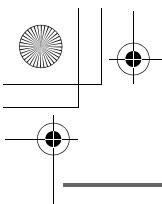
- 4 To set or reset the distance, press the ▲ / ▼ switch to select "Notification Timing Settings" for each maintenance item, and then press the ENTER switch

Screens for oil filter replacement and tire rotation can be displayed by pressing and holding ▲ / ▼ switch, or pressing it several times.

- 5 Press ▲ / ▼ switch to select distance and press the ENTER switch

- After appears, use ▲ / ▼ switch to set the distance, and press the ENTER switch again.
- If the distance is already set, the distance to go before the next notification time is displayed.
- To reset the distance, press ▲ / ▼ switch to select "Reset" and press the ENTER switch.





■ Engine oil deterioration warning reset

Perform this operation after the engine oil has been changed.

When the engine oil is deteriorated or the engine oil replacement is due soon, a message reminding you of changing the engine oil will appear (→ P. 540).

- ① Press < / > switch to switch menu to
- ② Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Oil Deteriorate WNG Reset" and press the ENTER switch
- ③ Press the ▲ / ▼ switch to select "Yes", and then press the ENTER switch

Make sure that "Reset Completed" is displayed.

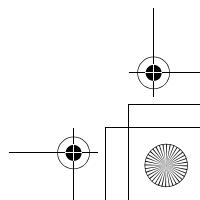
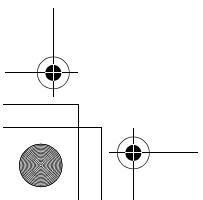
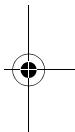
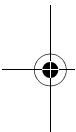
■ Initialization of display settings

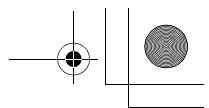
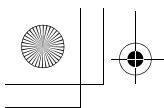
Display settings can be initialized (default setting).

- ① Press < / > switch to switch menu to
- ② Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Reset Settings" and press the ENTER switch
- ③ Press the ▲ / ▼ switch to select "Yes", and then press the ENTER switch

Items in the following table are initialized.

Item		Initial setting
"Display Brightness"	For day illumination	Level 8
	For night illumination	Level 6
"Time and Date"	"Auto Adjust"	ON
	"12H/24H"	"24H"
"Designs"		"Disp.1"

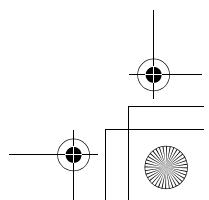
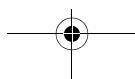
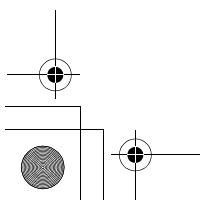


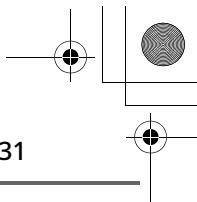
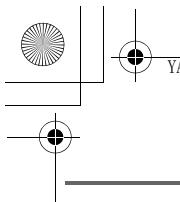


Item		Initial setting
"Display Settings"	"Eco Indicator Light"	ON
	"AVG Fuel Reset after Refuel"	OFF
	"Trip A Reset after Refuel"	OFF
	"Opening Display"	ON
	"Ending Display Type"	"STD"
	"Steering Angle"	ON
	"Drive Mode Guide"	ON
	"ACC Auto Disp."	ON
	"EV Indicator" ^{*1}	ON
"Buzzer"	"Fr Vehicle Departure Alert Volume"	
	"LDW Warning Buzzer Volume"	
	"Turn Signal Tone Type"	"1"
	"Opening Sound Volume"	
	"ACC Fr Vehicle Recognition"	ON
	"BSM Buzzer Volume"	
	"RCTA Buzzer Volume"	
"Notification Date Settings"	"Date 1" - "Date 10"	"(Not Set)"
"Maintenance Settings"	"Oil Change Timing Notice"	OFF
	"Oil Filter Change Timing Notice"	OFF
	"Tire Rotation Timing Notice"	OFF
"Language"		*2

^{*1} Hybrid electric vehicles

^{*2} Initial setting of language varies according to the vehicle grade level, etc.





■ Language

The language displayed on the TFT color multi-information display can be switched to the following languages:

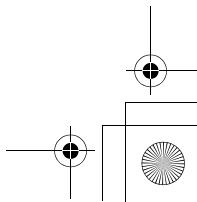
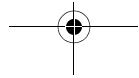
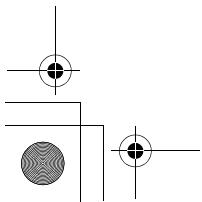
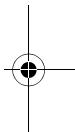
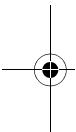
- English
- Spanish
- Portuguese
- Indonesian
- Thai
- French
- Arabic
- Taiwan

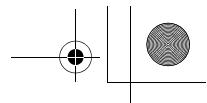
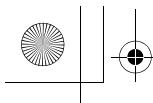
2

Instrument cluster

- ① Press < / > switch to switch menu to
- ② Press and hold the ▲ / ▼ switch or press it several times to switch the "Settings" screen, select "Language" and press the ENTER switch
- ③ Press the ▲ / ▼ switch to select the language you want to use, and press the ENTER switch
- ④ Press the ▲ / ▼ switch to select "Yes", and then press the ENTER switch

The display will be changed to the selected language.



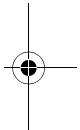
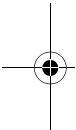


■ About instrument panel illumination (day illumination and night illumination)

- There are 2 types of instrument panel illumination: day illumination and night illumination, and the illumination changes at the following times.
 - ▶ Vehicles without auto lighting
 - Day illumination: when the front position lights are turned off
 - Night illumination: when the front position lights are turned on
 - ▶ Vehicles with auto lighting
 - Day illumination: when the ambient is bright, or front position lights are turned off
 - Night illumination: when the ambient is dark and front position lights are turned on
- Instrument panel lights become dimmer when it switches to night illumination. However, illumination does not become dimmer when the level for night illumination is set to the brightest.

■ About automatic correction of time and date

Automatic correction of time and date cannot be set if a device other than multimedia system is connected.



■ "Settings" operation

- The operation will be temporarily suspended if any of the following conditions occur during the "Settings" operation.
 - When warning messages are displayed
 - When the vehicle starts driving
- If the settings cannot be changed even after performing the operation, the "Settings Failed" message will appear.

■ When battery <12-volt battery> terminals are connected/disconnected

Clock data is reset when battery <12-volt battery> terminals are connected or disconnected.

■ Liquid crystal display

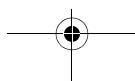
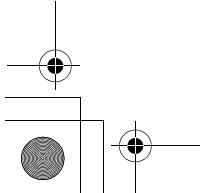
→ P. 95

■ About notification screen

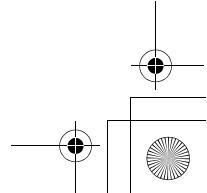
- Notification screen is displayed once a day.
- Birthday, and Anniversary day set to February 29 are displayed on March 1, except the leap year.

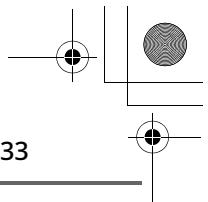
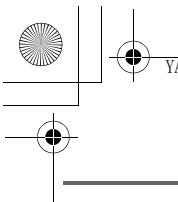
■ Voice recognition system*

→ P. 111



*: If equipped





⚠ WARNING

■ Caution while driving

For safety reasons, do not use the operation switch while driving. Doing so is dangerous and may lead to an accident such as incorrect operation of the steering wheel.

Stop the vehicle to operate it. While driving, keep the time that you look at the display to the minimum necessary.

■ When changing settings

→ P. 111

2

Instrument cluster

⚠ NOTICE

■ Screen display at low temperatures

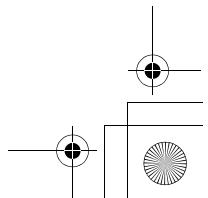
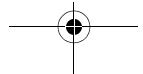
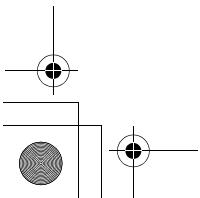
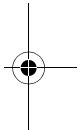
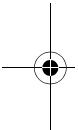
→ P. 111

■ When changing display settings

→ P. 111

■ About cruising distance

→ P. 111



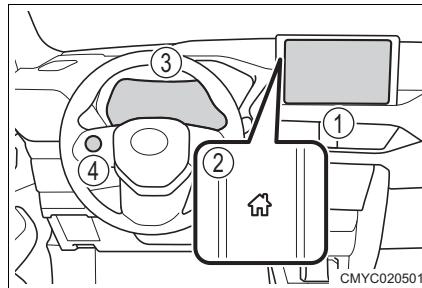
Energy flow (hybrid electric vehicles) /fuel economy* screen

The state of the hybrid system can be viewed on the multi-information display and/or multimedia screen.

The fuel economy screen can be displayed on the multimedia screen.

System components

- ① Multimedia screen*
- ②  button*
- ③ TFT color multi-information display
- ④ Meter control switches
(→ P. 97, 114)



Voice recognition system

Vehicles equipped with the multimedia system can use the voice recognition system to display the energy flow (hybrid electric vehicles)/fuel economy screen. For details, refer to the instruction manual included with the multimedia system.

*: If equipped

Energy flow screen (hybrid electric vehicles)

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

Display procedure

- ▶ TFT color multi-information display

Operate the meter control switches on the steering wheel to select the energy flow. (→ P. 116)

- ▶ Multimedia screen

- 1 Press the  .
- 2 Select "Vehicle Information".
- 3 Select  .
- 4 Select  .

2

Instrument cluster

Reading the display

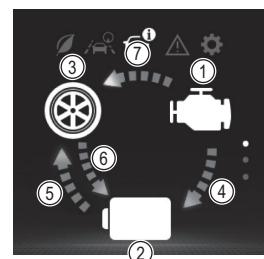
The arrows will appear in accordance with the energy flow.

When there is no energy flow, arrows will not be displayed.

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

- ▶ TFT color multi-information display

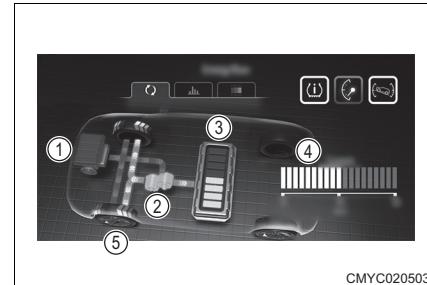
- ① Gasoline engine
- ② Hybrid battery (traction battery)
- ③ Front tire
- ④ When power generated by the gasoline engine is being charged to the hybrid battery (traction battery) or supplied to the electric motor (traction motor)
- ⑤ When driving with the electric motor (traction motor)
- ⑥ When power generated by regenerative braking is being charged to the hybrid battery (traction battery)
- ⑦ When driving with the gasoline engine



CMYC020502

▶ Multimedia screen

- ① Gasoline engine
- ② Electric motor (traction motor)
- ③ Hybrid battery (traction battery)
- ④ Current fuel economy
- ⑤ Front tire



The color of the arrows will change as follows.

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

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

When a yellow arrow is displayed pointing from the hybrid battery (traction battery) towards the electric motor (traction motor), the battery is discharged.

Red : When the gasoline engine is in use.

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

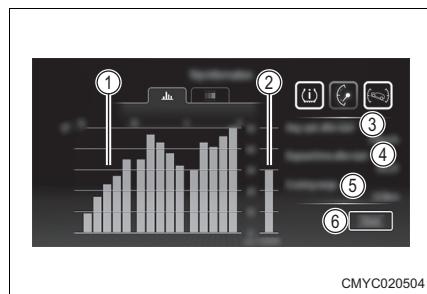
- The buzzer sounds intermittently when the hybrid battery (traction battery) remains without charging while the shift lever is in N, or the remaining charge amount drops below a certain level. If the remaining charge amount drops further, the buzzer sounds continuously.
- When a warning message is shown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

Fuel economy screen

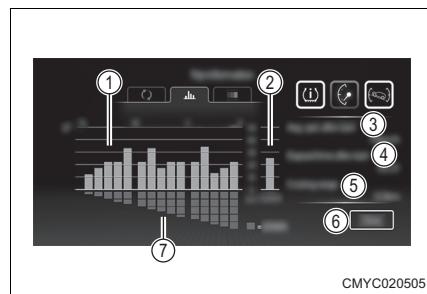
Trip information

- 1 Press the .
- 2 Select "Vehicle Information".
- 3 Select .
- 4 Select .

► Gasoline vehicles



► Hybrid electric vehicles



- ① Fuel economy in the past 15 minutes

Fuel economy of the past 15 minutes is displayed in a color-coded manner, for the previous drive time and since the engine switch <power switch> has been turned on.

- ② Current fuel economy

③ Displays the average vehicle speed since the engine <hybrid system> was started

- ④ Displays the elapsed time since the engine <hybrid system> was started

- ⑤ Cruising range

- ⑥ "Clear" button

Resetting the fuel economy data

- ⑦ Regenerated energy in the past 15 minutes

Regenerated energy of the past 15 minutes is displayed in a color-coded manner, for the previous drive time and since the power switch has been turned on.

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

2

Instrument cluster

■ Cruising range

The distance indicated is calculated based on the average fuel economy taken from the past, which does not necessarily represent the exact distance the vehicle can actually run.

■ History

1 Press the  .

2 Select "Vehicle Information".

3 Select  .

4 Select  .

① Previous fuel economy record

② Current fuel economy

③ Best past fuel economy

④ "Clear" button

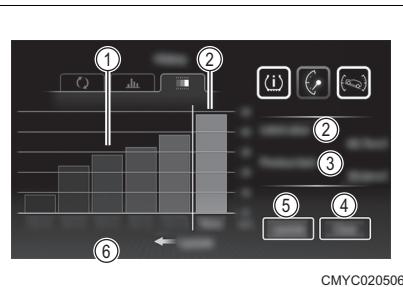
Resetting the past record data

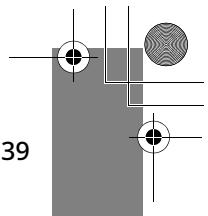
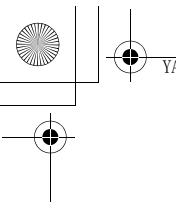
⑤ "Update" button

Updating the average fuel economy data

⑥ Updated date

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





Operation of each component

3

3-1. Keys

Keys 140

3-2. Opening, closing and locking the doors

Key-free system 143

Doors
(front doors, rear doors) 153

Back door 164

3-3. Adjusting the seats

Front seats 182

Rear seats 184

Head restraints 187

3-4. Steering wheel position and mirrors

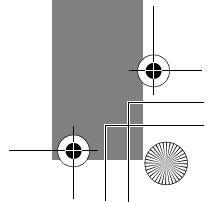
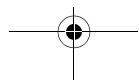
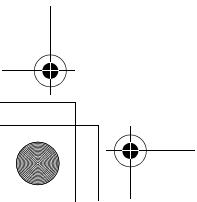
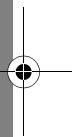
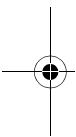
Steering wheel 189

Inside rear view mirror 191

Outside rear view mirrors 193

3-5. Opening and closing the windows

Power windows 196



Keys

Keys

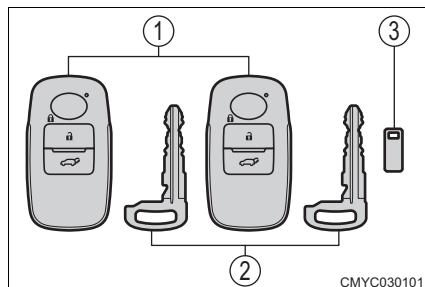
The following keys are provided with the vehicle.

① Electronic key

Activating the key-free system (→ P. 143)
Activating the wireless function
(→ P. 153)

② Emergency key

③ Key number plate

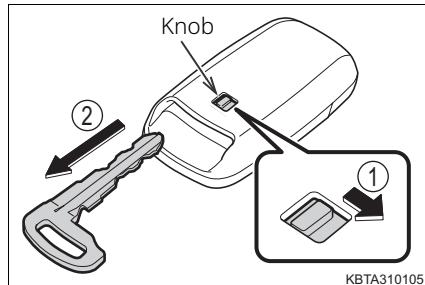


Using the emergency key

① Slide the knob

② Remove the emergency key

After use, restore the key to the original position and carry it with the electronic key. When the electronic key's battery has run out, or the key-free system is not working as intended, you will need the emergency key. (→ P. 561)



If you have lost your emergency key

Toyota dealers can make new genuine keys using the key number stamped on your key number plate and the other key.

Keep the key number plate in a safe place such as your wallet, not in the vehicle.

When boarding an aircraft

When you bring the key to an aircraft, do not press the key switch in the aircraft. Even when you store the key inside your luggage, be careful not to have the switch get pressed easily. If the switch is pressed, the key emits a radio wave that could interfere with aircraft operation.

Low battery

→ P. 150

■ When you see a warning message about the electronic key status or the engine switch <power switch> mode

To avoid leaving your electronic key inside the vehicle, allowing the passengers from taking the key out, or accidentally leaving the power on, the TFT color multi-information display shows a message reminding you to check the electronic key or engine switch <power switch> status. If that happens, follow the displayed instruction immediately. (→ P. 544)

■ When the TFT color multi-information display shows "Key Battery Low Replace Key Battery"

The electronic key's battery is low. Replace it with a new battery. (→ P. 498)

■ Replacing the battery

→ P. 498

■ Purchasing keys

You can set up to 4 electronic keys. Please contact your Toyota dealer for purchasing and the usage information.

3

Operation of each component

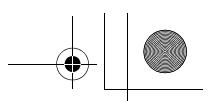
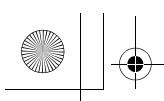
⚠ NOTICE

■ To prevent damage to the keys

- Do not leave the keys in direct sunlight or expose them to high temperatures
- Do not put the electronic key in the back pockets of your pants or clothes
- Do not drop the keys, subject them to strong shocks or bend them
- Do not expose the keys to high humidity for long periods of time
- Do not wet the keys or wash them in an ultrasonic washer or the like
- 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 put stickers or the like on the surface of the keys
- Do not place the keys near magnetic products such as TVs, audio devices, electromagnetic cookers, or electro-medical devices such as low-frequency therapy devices

■ When carrying the keys

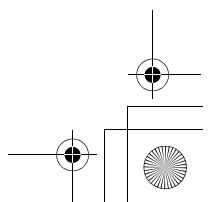
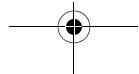
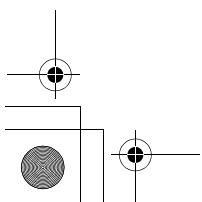
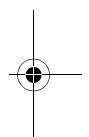
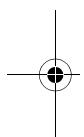
Keep the key at least 10 cm (3.9 in.) away from any electrical equipment with its power turned on. When the key is placed within 10 cm (3.9 in.) from such electrical equipment, it may interfere with its radio waves and may not function properly.

**⚠ NOTICE****■ When bringing your vehicle to a Toyota dealer due to malfunction of the key-free system**

Bring all the electronic keys that came with your vehicle.

■ If you have lost your electronic key

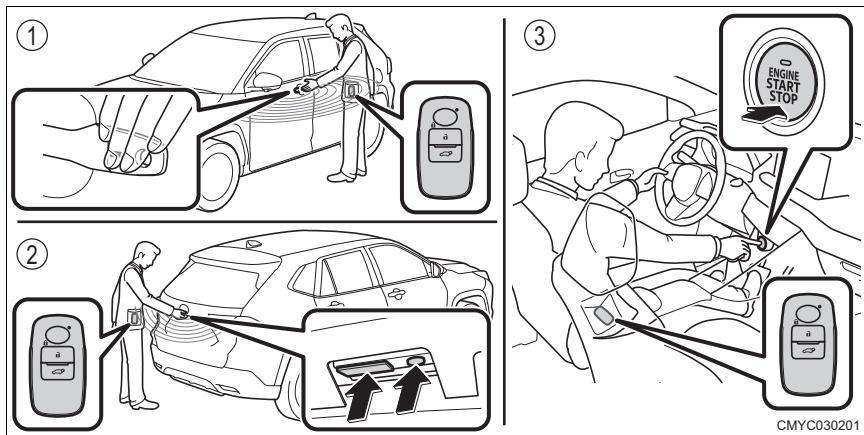
If you do nothing after losing your electronic key, you will face a greater risk of theft. Bring all other electronic keys that came with your vehicle and visit a Toyota dealer immediately.



Key-free system

Function overview

When you have your electronic key in your pocket etc., you can perform the following operations. (Make sure that the driver carries the key)



3

Operation of each component

- ① Unlocking and locking all the doors* (→ P. 153)
- ② Unlocking and locking all the doors* (→ P. 164)
- ③ Starting the engine <hybrid system> (→ P. 218, 223)

■ Signaling of the operation

The buzzer and the blinking emergency flashers will notify you of locking and unlocking the doors. (1 time for locking and 2 times for unlocking)

■ Customizations

The signaling of the operation can be changed.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 100, 118)

■ Security features for unlocking operation

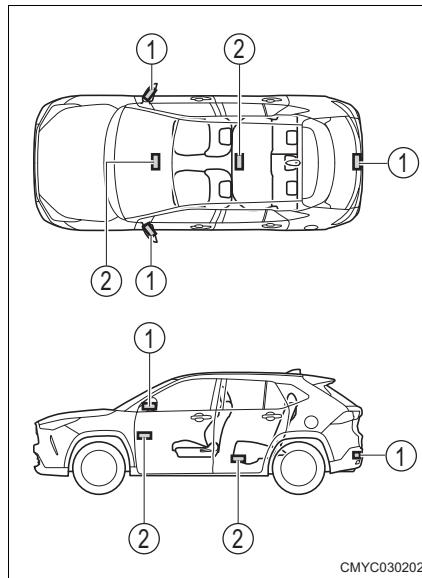
→ P. 159

*: If equipped

Antenna position and operating range

■ Antenna positions

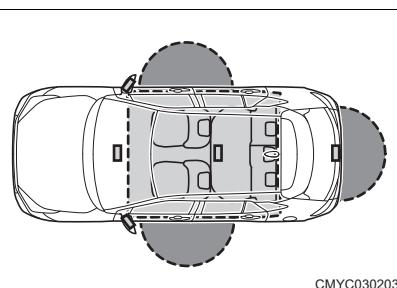
- ① Antenna outside the vehicle*
- ② Antenna inside the vehicle



■ Operating range (electronic key's detection range)

- : Locking and unlocking the doors*

It works when you have the electronic key within the area of approx. 80 cm (32 in.) from the door handle.
(It only works when the door handle detects the electronic key)



- : Starting the engine <hybrid system> or switching modes

It works when you have the electronic key inside the vehicle.

*: If equipped

■ Warning sound and warning light

For the prevention of unexpected accidents or theft resulting from mishandling, you may hear a warning sound, find the warning light coming on or see a warning message being displayed. If the warning light comes on or the message appears, take appropriate action for your situation. (→ P. 522, 530)

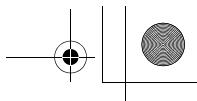
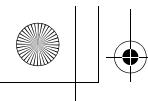
The following table summarizes the correction procedures for each situation when you hear the warning sound.

Warning sound	Situation	Measures to take
A high-pitch short beep sounds 5 times from inside the vehicle, and a high-pitch intermittent beep sounds 3 times from outside the vehicle	When the engine switch <power switch> was "ACC" or "ON", any of the doors were opened, and the electronic key was taken outside the vehicle, and then the door was closed	Get in the vehicle with the electronic key
A long continuous low-pitch beep sounds from inside the vehicle	The engine switch <power switch> was turned to "ACC" with the driver's door open (The driver's door was opened when the engine switch <power switch> was "ACC")	Turn the engine switch <power switch> to "OFF" and close the door
A high-pitch beep sounds from outside the vehicle	When the engine switch <power switch> was "ACC" or "ON", someone tried to lock the doors using the lock/unlock switch* on the front door or back door	Turn the engine switch <power switch> to "OFF" and lock the doors
	With the electronic key left inside the vehicle, someone tried to lock the doors using the lock/unlock switch* on the front door or back door	Take the electronic key with you and lock the doors
	While any of the doors or hood were open, someone tried to lock the doors using the lock/unlock switch* on the front door or back door or the wireless remote control	Close all the doors and hood and lock them

3

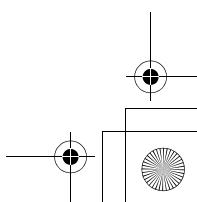
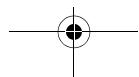
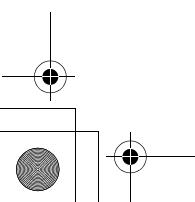
Operation of each component

*: If equipped



Warning sound	Situation	Measures to take
A high-pitch beep sounds from outside the vehicle, and all the doors get unlocked	When the engine switch <power switch> was "OFF" and the electronic key was left inside the vehicle, the door was closed while the inside lock button of the driver's door was set to the locked side and the driver's door handle was pulled	
	When the engine switch <power switch> was "OFF" and the electronic key was left inside the vehicle, the door was opened and closed while driver's door were locked and any of the inside lock buttons except the driver's door were set to the unlocked side	Take the electronic key with you and lock the doors
A high-pitch intermittent beep sounds 3 times from inside the vehicle	The engine switch <power switch> was turned to "OFF" when the electronic key's battery was close to its end of life*	Replace it with a new battery (→ P. 498)
A long continuous low-pitch beep sounds from inside the vehicle	The engine switch <power switch> was turned from "ON" to "OFF" with the driver's door open	Close the driver's door

* If the low-battery state continues, the warning buzzer will sound even when the engine switch <power switch> is turned to "ACC" or "ON".

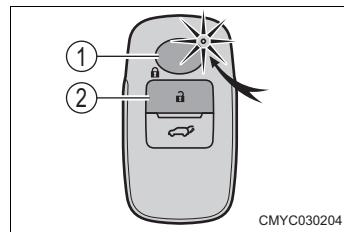


■ Electronic key's battery-saving mode

- The electronic key's battery consumption can be reduced by setting the key to the battery-saving mode since the key no longer is in standby for receiving signals.

While holding down the lock switch (①) on the electronic key, press the unlock switch (②) 2 times. Make sure that the indicator of the electronic key blinks 4 times.

The key-free system does not work in the battery-saving mode. To cancel the battery-saving mode, press any of the switches on the electronic key.



3

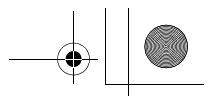
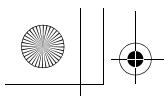
Operation of each component

- If you do not plan on using the electronic key for a long time, we recommend that you set the key to the battery-saving mode.
- If you plan on setting the electronic key to the battery-saving mode immediately after replacing the key battery, wait for approximately 10 seconds before doing so.

■ Situations where the function may not work properly

The key-free system uses weak radio waves. Communication between the electronic key and the vehicle may be interrupted, and the key-free system, wireless remote control, and immobilizer system may not function properly in the following situations. (Measures to take: → P. 561)

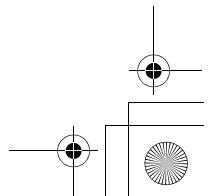
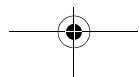
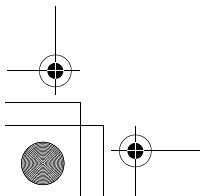
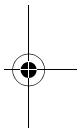
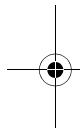
- When the battery of the electronic key is low
- When you are in an area with strong radio waves or noise present, such as near TV towers, power plants, gas stations, broadcast stations, large display, coin-operated parking lots, airports, and so on
- When the electronic key is touching or covered by the metal objects listed below
 - Cards with aluminum foil or other metal pasted on
 - Cigarette boxes made of aluminum foil
 - Metal wallets or purses
 - Coins
 - Heating pad
 - Media such as CDs or DVDs
- When another wireless keys (that emit radio waves) is in use

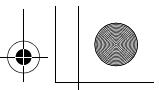
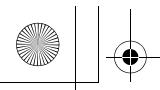


- When the electronic key is carried with products that transmit radio waves as follows
 - Wireless communication devices such as radios, mobile phones, and cordless telephones
 - Electronic keys or wireless keys (that emit radio waves) of other vehicles
 - Computers or portable information terminals (electronic organizers)
 - Digital audio players
 - Portable gaming devices
- When a metal-containing film is pasted on the rear window
- When the electronic key is placed near electronic devices such as a charger

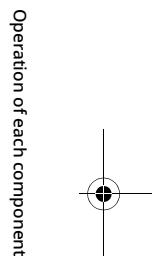
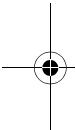
■ Important information

- Even when the electronic key is placed in the operating (detection) range, it may not work properly in the following situations.
 - The electronic key is located too close to the door windows or door handles when you lock or unlock the doors or located near the ground or at a high place
 - The electronic key is placed on the instrument panel or the floor, placed inside the door pockets or in the glove box when you start the engine <hybrid system> or switch the modes
- Even when you have the electronic key in your pocket, the key may not work properly depending on the position or shape of your pocket. (Operating range: → P. 144)
- Depending on the signal conditions, the electronic key could be trapped inside the vehicle if you step outside of your vehicle by leaving the electronic key on the instrument panel or near the door pockets since the external antenna could detect the signal and lock the doors.
- As long as the electronic key is located within the operating range, the doors can be locked and unlocked by anyone besides the person who is carrying the key. Note that the doors other than those detecting the electronic key cannot be unlocked in this case.
Even when the electronic key is located near the door that is opposite from the unlocked door, the opposite door can detect the electronic key and get unlocked.
- If the electronic key is located near the door window outside the vehicle, the key could start the engine <hybrid system> sometimes.

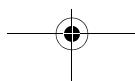
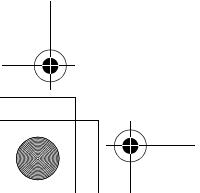




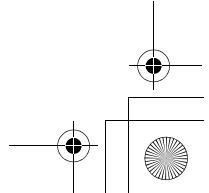
3-2. Opening, closing and locking the doors

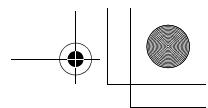
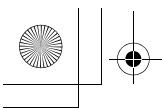


- If water splashes on the door handle* during a car wash or heavy rain, the doors may get locked and unlocked repeatedly while the electronic key is located within the operating range. If that happens, perform the procedures listed below. (Without opening or closing the doors, the unlocked doors will be automatically locked approximately after 30 seconds)
 - Place the key approx. 3 m (9.8 ft.) or more away from the vehicle (beware of theft)
 - Disabling the key-free system activation by setting the key to the battery-saving mode (→ P. 147)
- When a part of your clothes touches the lock/unlock switch* on the front door, it could lock or unlock the door while the electronic key is located within the operating range.
- If you lock the vehicle using the wireless remote control when the electronic key is placed inside or near the vehicle, unlocking by the key-free system may not work. (The system can be restored by unlocking the vehicle using the wireless remote control)
- Operate the door handle switch* properly and ensure that the door has been locked or unlocked. If you operate the switch too fast, the door may not be locked or unlocked.
- If the switch on the door handle* is covered with ice, snow, or mud, the switch may not work. If the switch is not working, remove the ice, snow, or mud from the surface, and operate the switch again.
- When you operate the door handle switch*, your nails may touch the door. Be careful not to damage the door or break your nails.
- When you operate the lock/unlock switch on the front door with gloves on, the locking or unlocking gets delayed, or the door may not even get locked or unlocked.
- Depending on the surrounding conditions, the doors may not get locked or unlocked by operating the lock/unlock switch* on the front door. In that case, use the wireless function or the emergency key to lock and unlock the door. (→ P. 153, 561)
- The power-saving function will be activated in the situations listed below in order to prevent battery depletion of the electronic key and the battery discharge of the vehicle. If that happens, it takes longer to lock and unlock the vehicle using the key-free system.
 - The electronic key was left for approx. 2 minutes or longer within the approx. 3 m (9.8 ft.) range from the vehicle
 - The key-free system was not used for approximately 5 days or longer



*: If equipped



**■Important points when locking the doors**

During an automatic car wash, the vehicle's internal buzzer may sound if water splashes on the door handle* while the electronic key is left inside the vehicle.

■Important points when unlocking the doors

- When you pull the door handle while operating the door handle switch*, the door may not get unlocked. In that case, restore the door handle to the original position and operate the switch again (except for the back door). When you verify that the door has been unlocked, pull the door handle.
- When another electronic key is placed within the operating range, it may take longer to unlock the door from the time when you operate the switch on the door handle.

■Leaving the vehicle unused for a long period

- To prevent theft, keep the electronic key away from the vehicle for approx. 3 m (9.8 ft.).
- You can also disable the key-free system beforehand.
Contact your Toyota dealer for further information.

■Starting the system normally

Make sure to carry the electronic key with you when you start the system. When you start the system from outside the vehicle, be careful not to keep the electronic key too close to the vehicle.

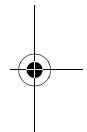
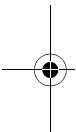
Depending on the electronic key's position or how you hold it when starting the system, the key may not be detected correctly, preventing the system from starting normally. (It could cause the alarm to go off unexpectedly or the door lock prevention function may not work. : → P. 160)

■When the key-free system does not work properly

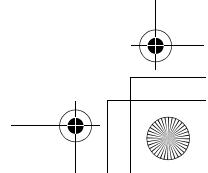
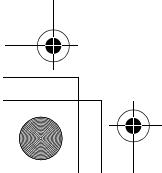
- Locking and unlocking doors: → P. 561
- Starting the engine <hybrid system>: → P. 561

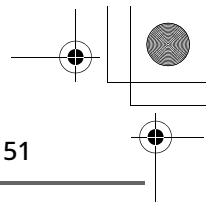
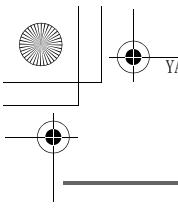
■Low battery

- The standard battery life is between 1 and 2 years.
- The battery still depletes without using the wireless remote control. Since the electronic key is constantly receiving radio waves, the battery depletes even when it is not in use. If you encounter any of the following situations, the key may be running out of battery. Replace it with a new battery.
 - The key-free system or wireless remote control will not start
 - The operating range has become narrower
 - The LED of the electronic key will not light



*: If equipped





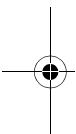
3-2. Opening, closing and locking the doors

151

- When the remaining battery becomes low, a warning buzzer will sound from inside the vehicle when the engine <hybrid system> is stopped. (→ P. 546)
- To prevent significant battery drainage, do not store the electronic key within 1 m (3.3 ft.) from the following electronic devices that are known to emit a magnetic field.
 - TV
 - Audio system
 - Personal computers
 - AC adapters
 - Mobile phones, cordless phones, and chargers
 - Desk lamps
 - Medical electronic devices such as low-frequency electric therapy equipment
 - Liquid crystal display
 - Motors
 - Induction cookers
- Do not leave electronic keys inside or near the vehicle. Since the electronic key and the vehicle are constantly communicating with one another, it speeds up the battery draining. When they enter in the constant communication state, the indicator of the electronic key starts blinking. Keep the electronic key away from the vehicle until the indicator turns off.
- If you do not plan on using the electronic key for a long time, set the key to the battery-saving mode to minimize battery consumption. (→ P. 147)

3

Operation of each component

**■ Running out of the battery**

→ P. 498

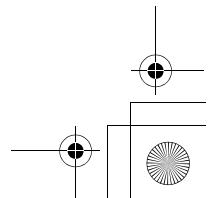
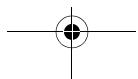
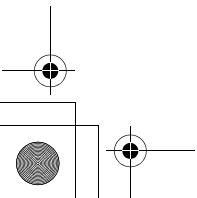
■ Functions configurable by Toyota dealers

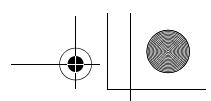
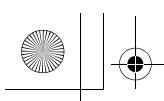
Toyota dealers can deactivate the key-free system.

(List of customizable features: → P. 588)

■ When the key-free system was deactivated by a Toyota dealer

- Locking and unlocking doors: The doors can be locked and unlocked using the wireless function or the emergency key. (→ P. 153, 561)
- Starting the engine <hybrid system> and switching the engine switch <power switch> mode: → P. 561
- Stopping the engine <hybrid system>: → P. 219, 224



**⚠ WARNING****■ Caution regarding interference with electronic devices**

- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the key-free system antennas.
(→ P. 144)

The radio waves may affect the operation of such devices. If necessary, the key-free 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 key-free function.

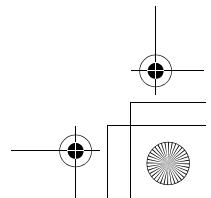
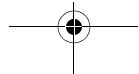
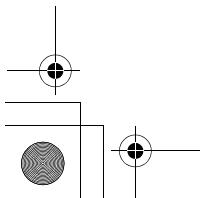
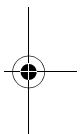
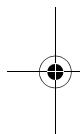
- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.

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

Ask your Toyota dealer for details on disabling the key-free function.

⚠ NOTICE

- Never apply excessive force or use a sharp object to press the switch on the door handle. Doing so could cause the switch to break.



Doors (front doors, rear doors)

Locking and unlocking the doors

You can lock and unlock the doors using the key-free system*, wireless function, keys, door lock switches or inside lock buttons.

■ Key-free system*

Keep the electronic key with you and touch the lock/unlock switch of the front door (indented part of the handle) to lock or unlock all the doors

Touch the switch as specified.

When you lock the doors, make sure that they have been locked.

The doors cannot be unlocked after approximately 3 seconds from being locked.

► Welcome door unlocking*

When you have the electronic key and enter the unlocking range of the key, all the doors are unlocked (→ P. 159)

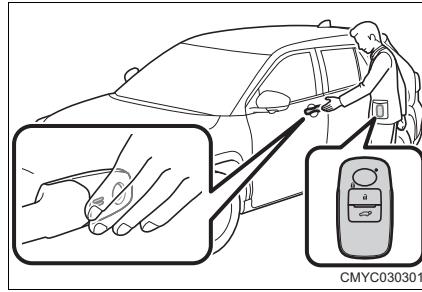
The welcome door unlocking cannot be used to lock the doors.

■ Wireless function

① Locking all the doors

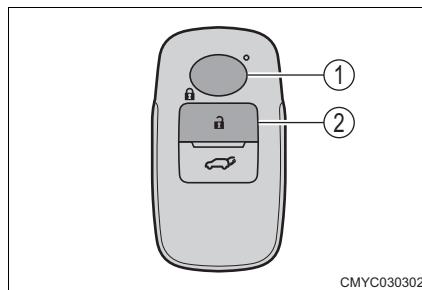
Make sure that the doors have been locked.

② Unlocking all the doors



3

Operation of each component

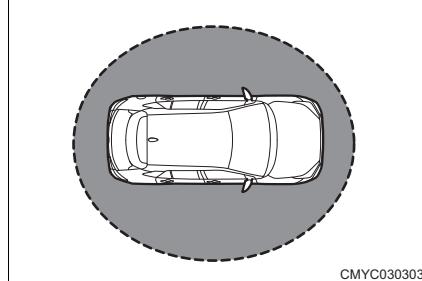


*: If equipped

154 3-2. Opening, closing and locking the doors

► Operating range

- : Approx. within the 3 m (9.8 ft.) range from the center of the vehicle

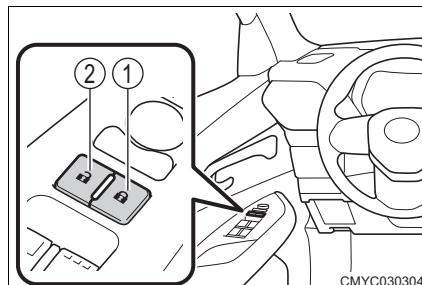


■ Keys

You can lock and unlock the doors using the emergency key. (→ P. 561)

■ Door lock switches

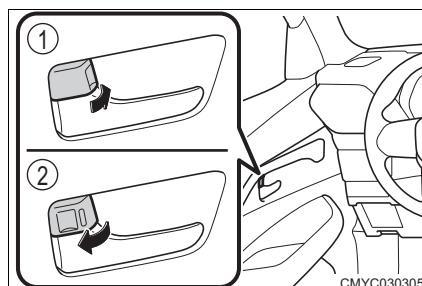
- ① Locking all the doors
- ② Unlocking all the doors



■ Inside lock button

- ① Locking the doors
- ② Unlocking the doors

Even when the inside lock button of the driver's door is set to the locked side, pulling the door handle inside the vehicle will unlock the driver's door and open the driver's door.



When locking the front door from outside without using the key

- ① Move the inside lock button to the locked side
- ② Close the door while pulling the door handle

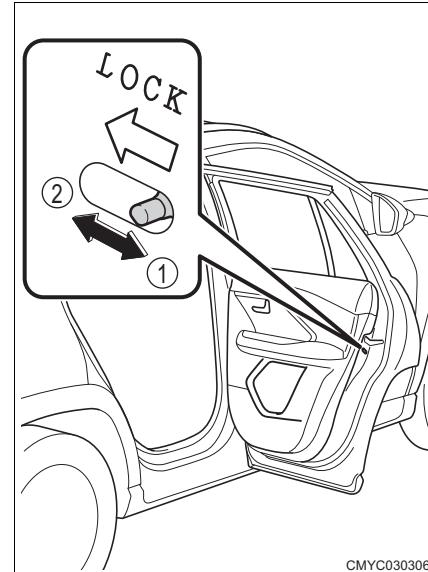
When the door lock prevention function (→ P. 160) is activated, the door may not be locked.

Child-protector lock

When set to the locked side, the rear doors will not open from inside the vehicle.

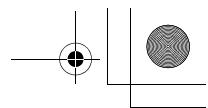
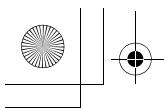
- ① Unlock
- ② Lock

This feature prevents children from opening the rear door from inside the vehicle. Set both rear doors to the locked side.



3

Operation of each component



Auto lock and unlock function

This function automatically locks or unlocks all the doors according to the vehicle condition.

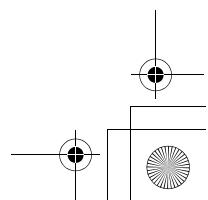
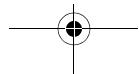
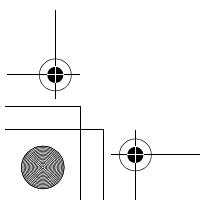
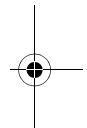
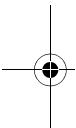
You can set and cancel the following functions.

► Auto lock function

Function	Description
Speed linked door locking function (Initial setting)	When the vehicle speed becomes approx. 20 km/h (12 mph) or faster, all the doors will be locked.
Shift-linked auto lock (continuously variable transmission vehicles or hybrid transmission vehicles)	All the doors will be locked by moving the shift lever from the P position while the engine is running <hybrid system is operating>.

► Auto unlock function (for regions other than Indonesia, this function is disabled in the initial state)

Function	Description
Engine switch <power switch> "OFF"-linked auto unlock (Initial setting for Indonesia)	All the doors will be unlocked by turning the engine switch <power switch> to "ACC" or "OFF" after driving at approximately 20 km/h (12 mph) or faster.
Shift-linked auto unlock (continuously variable transmission vehicles or hybrid transmission vehicles)	All the doors will be unlocked by moving the shift lever to P.



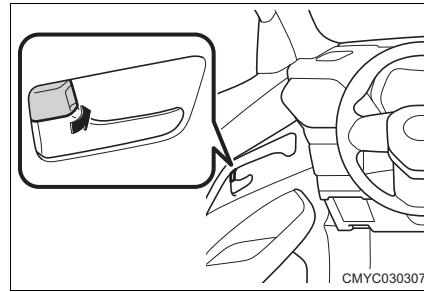
■ How to switch the auto lock function

When you complete each step listed below, the auto lock function will switch in the order of ①, ②, and ③.

- ① Speed linked door locking function
- ② Shift-linked auto lock function (continuously variable transmission vehicles or hybrid transmission vehicles)
- ③ Function disabled

- 1** Set the vehicle to the following state

- Turn off the front position lights
- Turn the engine switch <power switch> to "OFF"
- Close all the doors
- Move the inside lock button of the driver's door to the locked side



3

Operation of each component

- 2** Turn the engine switch <power switch> to "ACC" (Within 5 seconds after this, perform **3**)

- 3** Turn on and off the front position lights

- 4** Move the inside lock button of the driver's door to the unlocked side

Once the switchover is complete, all the doors will be locked within approximately 3 seconds after the inside lock button of the driver's door is set to the unlocked side.

If you stop the operation without finishing to the end, try again from the beginning.

■ How to switch the auto unlock function

When you complete each step listed below, the auto unlock function will switch in the order of ①, ②, and ③.

► For Indonesia

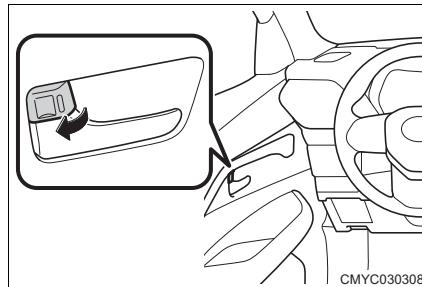
- ① Engine switch <Power switch> "OFF"-linked auto unlock
- ② Function disabled
- ③ Shift-linked auto unlock (continuously variable transmission vehicles or hybrid transmission vehicles)

► Except for Indonesia

- ① Function disabled
- ② Shift-linked auto unlock (continuously variable transmission vehicles or hybrid transmission vehicles)
- ③ Engine switch <Power switch> "OFF"-linked auto unlock

1 Set the vehicle to the following state

- Turn off the front position lights
- Turn the engine switch <power switch> to "OFF"
- Close all the doors
- Move the inside lock button of the driver's door to the unlocked side



CMYC030308

2 Turn the engine switch <power switch> to "ACC" (Within 5 seconds after this, perform **3**)

3 Turn on and off the front position lights

4 Move the inside lock button of the driver's door to the locked side

Once the switchover is complete, all the doors will be unlocked within approximately 3 seconds after the inside lock button of the driver's door is set to the locked side.

If you stop the operation without finishing to the end, try again from the beginning.

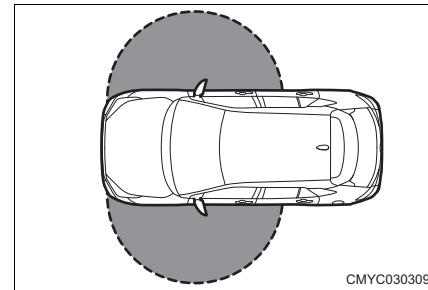
Welcome door unlocking*

When you have the electronic key and enter the unlocking range, all the doors are unlocked.

■ Unlocking range of welcome door unlocking

● : Unlocking range

It works when you have the electronic key within the area of approx. 1.5 m (59 in.) from the outside rear view mirrors



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3

Operation of each component

■ How to make engagement

- ① Get off the vehicle, and use the key-free system or wireless function to lock the doors (engagement standby)
- ② When you leave the unlocking range and then approx. 5 seconds elapse, the engagement will be completed
The effective period of the engagement is approx. 5 days. When the effective period expires, the engagement is canceled.

■ When the alarm is set

If you unlock and open the door without using the key-free system* or wireless remote control, the alarm will be activated. When that happens, stop the alarm immediately. (→ P. 82)

■ Impact detection door lock release system

When the vehicle receives a strong impact on the front, back, right, and left side, all the doors will be unlocked.

This system will not be activated depending on the degree of the impact or the type of accident.

■ Security features for unlocking operation

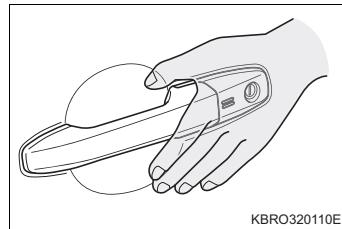
If the door is not opened within approximately 30 seconds after the key-free system* or wireless remote control has unlocked the door, the door will be locked automatically for theft prevention.

● After the door has been locked, the alarm will be set. (→ P. 81)

*: If equipped

■When the lock/unlock switch on the front door will not lock or unlock the doors

If you cannot lock or unlock the doors by touching the lock/unlock switch on the front door with your finger, touch the lock/unlock switch of the front door with the palm of your hand. If you wear gloves, take them off.



■Door lock prevention function

This function prevents the doors from being locked with the key left inside the vehicle.

- When the engine switch <power switch> is "ACC" or "ON", performing the following operations will activate the door lock prevention function, unlocking all the doors.

- Moving the inside lock button of the driver's door to the locked side with the driver's door open
- Unlocking any of the inside lock buttons except the driver's seat from inside the vehicle with the driver's door locked, and opening the door and then closing it (The function will not activate when the engine switch <power switch> is "ON")

- When the engine switch <power switch> is "OFF" and the electronic key is left inside the vehicle, performing the following operations will activate the door lock prevention function, unlocking all the doors.

- Closing the door while pulling the driver's door handle with the inside lock button on the driver's door inside the vehicle being set to the locked side
- Unlocking any of the inside lock buttons except the driver's seat from inside the vehicle with the driver's door locked, and opening the door and then closing it

■Open door warning buzzer

→ P. 536

■Situations where the function may not work properly

→ P. 147

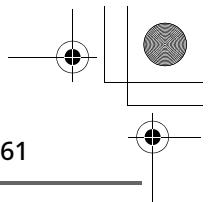
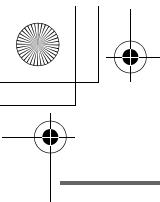
■Customizations

You can customize some of the key-free system/wireless functions, some of the auto lock and unlock functions, and welcome door unlocking*

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 100, 118)

*: If equipped



3-2. Opening, closing and locking the doors

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■ Auto lock and unlock function

If you unlock the door after it was locked by the auto lock function, the door will not be locked again. However, the function will be reactivated in any of the following conditions:

- One of the doors is opened while the vehicle is stopped
- The engine switch <power switch> is turned to "ACC" or "OFF"
- The doors are unlocked by the auto unlock function

■ How to open doors when the child-protector lock is used

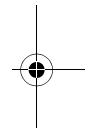
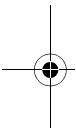
Unlock the door and pull the door handle outside the vehicle to open the door. If you need to open the door from inside the vehicle, lower the window and put your hand out, and pull the door handle outside the vehicle.

3

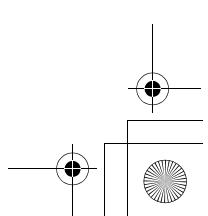
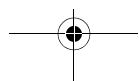
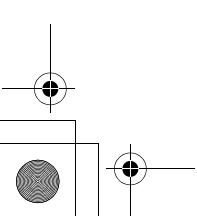
Operation of each component

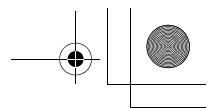
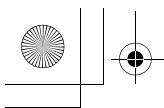
■ Activation of welcome door unlocking*

- The buzzer and the blinking (2 times) emergency flashers will notify you of unlocking of doors using the welcome door unlocking.
- The welcome door unlocking will not be engaged in any of the following situations.
 - When the key-free system or electronic key's auto detection function outside the vehicle was deactivated by customization (→ P. 588)
 - When the welcome door unlocking was turned OFF (→ P. 125)
- When you lock the doors and leave the unlocking range and then enter the unlocking range within approx. 5 seconds, the engagement will not be completed and the welcome door unlocking will not be activated.
- Even if the electronic key is located within the unlocking range, when the electronic key is located too close to the door windows or door handles or located near the ground or at a high place, the welcome door unlocking may not work properly.
- Even when you have the electronic key in your pocket, the key may not work properly depending on the position or shape of your pocket.
- When the following situation occurs before the engagement is completed, the engagement will be canceled.
 - When the electronic key is located in the unlocking range for approx. 2 minutes or longer after the doors are locked
- When you enter the unlocking range and the doors are unlocked and then approx. 15 seconds elapse without the doors opened, the doors are automatically locked and the engagement will be canceled.
- When the electronic key is located close to the vehicle after the engagement is completed, the welcome door unlocking may be activated unintentionally.



*: If equipped



**■Situations where the welcome door unlocking* may not work properly**

Under the situations where the key-free system may not work properly
(→ P. 147)

■Electronic key when the welcome door unlocking* is used

When you pass the electronic key to a third party, make sure to inform that the engagement is made.

■Welcome lamp setting (linked to interior light)*

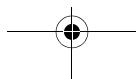
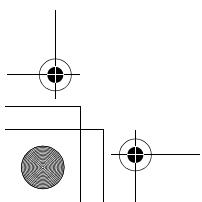
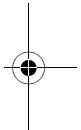
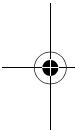
● When all of the following conditions are satisfied, approaching the vehicle (within approx. 1.5 m [59 in.] of the outside rear view mirror) with the electronic key can cause the interior light to turn on.

- Activation of electronic key's auto detection function outside the vehicle (→ P. 588) is ON
- The welcome lamp setting "Room Lamp Linked" is ON (→ P. 126)
- The interior light switch is set to the door position

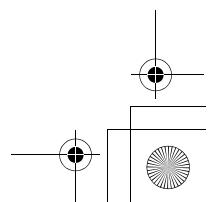
● The lighting time of the interior light is linked to the lighting time of the illuminated entry system (→ P. 412).

■Leaving home lamp*

→ P. 256



*: If equipped



3-2. Opening, closing and locking the doors

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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 falling out, causing death or serious injury.

- Always use a seat belt

- Always securely close and lock all the doors

- Do not pull the inside handle of the doors while driving.

Be especially careful of the drivers door, as the door may be opened even if the inside lock knob is in the locked position.

- When children are in the rear seats, use the child-protector lock to prevent the doors from being opened from inside the vehicle

■ Considerations when opening and closing the doors

- Check the surroundings, such as whether the vehicle is on sloping ground, whether the space between the door and the wall is narrow, and whether there are strong winds. Hold the door handle securely when opening and closing the door so that you can deal with any unexpected movement.

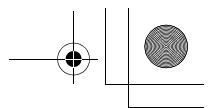
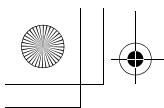
- Be careful not to get your fingers caught in the closing door.

■ When children are in the vehicle

Do not allow children to open or close doors or play with them. The death or serious injury can occur as a result of an unforeseen accident.

3

Operation of each component



Back door

The back door can be locked, unlocked and opened in the following procedures:

⚠ WARNING

■ Caution while driving

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

■ When children are in the vehicle

Observe the following precautions.

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

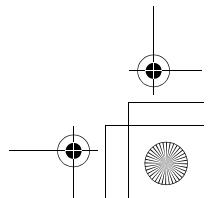
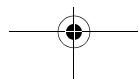
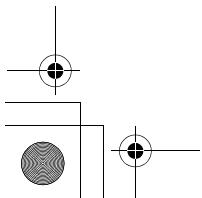
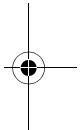
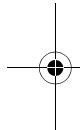
- Do not allow children to play in the luggage compartment.
If a child is accidentally locked in the luggage compartment, they could have heat exhaustion or other injuries.
- Do not allow a child to open or close the back door.
Doing so may cause the back door to move unexpectedly, or cause the child's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

■ 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.

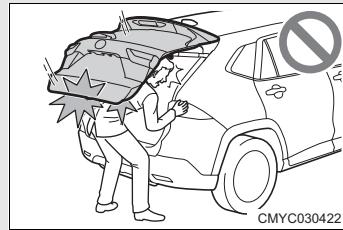


3-2. Opening, closing and locking the doors

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WARNING

- Use caution when opening or closing the back door in windy weather as it may move abruptly in strong wind.
- Vehicles without power back door:
The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.
- Vehicles with power back door:
The back door may suddenly shut if it is not opened fully, while on a steep incline. Make sure that the back door is secured before using the luggage compartment.
- When closing the back door, take extra care to prevent your fingers, etc., from being caught.
- Vehicles without power back door:
When closing the back door, make sure to press it lightly on its outer surface. If the edge of the door is held when fully closing 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.



3

Operation of each component



Unlocking and locking the back door from the outside

■ Key-free system

Operate this system when you have the electronic key with you.

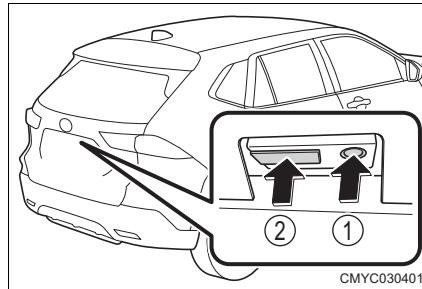
① Locking all the doors*

Make sure that the doors have been locked.

② Unlocking all the doors

The back door will open.

The doors cannot be unlocked after approximately 3 seconds from being locked.



■ Wireless function

→ P. 153

Unlocking and locking from inside the vehicle

■ Inside lock button

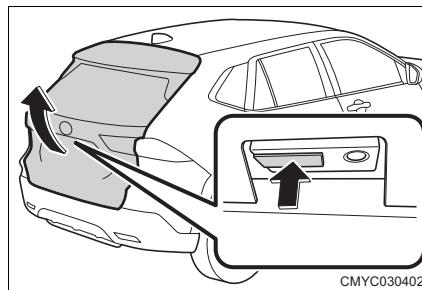
→ P. 154

Opening/closing the back door (vehicles without power back door)

■ Open

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

The back door cannot be closed immediately after the back door opener switch is pushed.

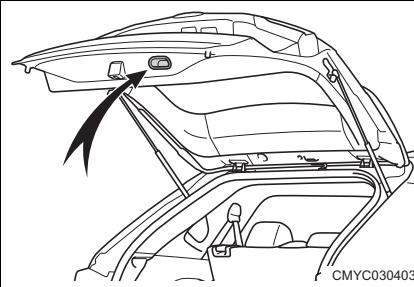


*: If equipped

■ Close

Lower the back door using a back door handle, and then push the back door from the outside to close it.

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



■ Open door warning buzzer

→ P. 536

3

■ Luggage compartment light

- The luggage compartment light turns on when the back door is opened.
- If the luggage compartment light is left on when the engine switch <power switch> is turned off, the light will go off automatically after 10 minutes.

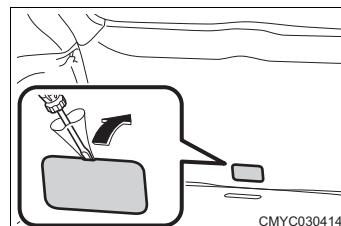
■ If the back door opener is inoperative

The back door can be unlocked from the inside

Operation of each component

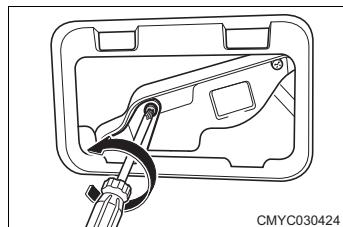
1 Remove the cover.

To prevent damage, wrap a cloth around the tip of the screwdriver or the like to protect it.

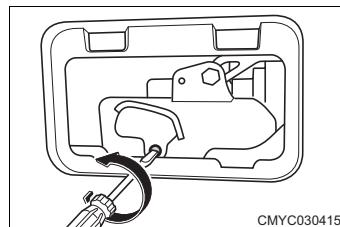


2 Loosen the screw.

► vehicles without power back door



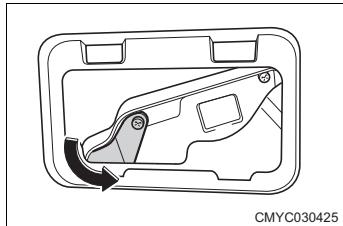
► vehicles with power back door



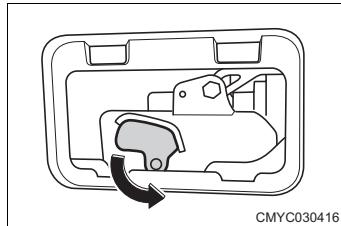
168 3-2. Opening, closing and locking the doors

3 Turn the cover.

▶ vehicles without power back door

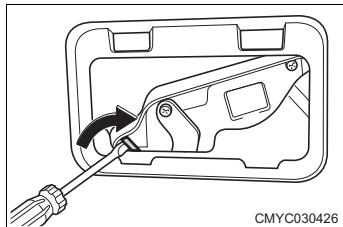


▶ vehicles with power back door

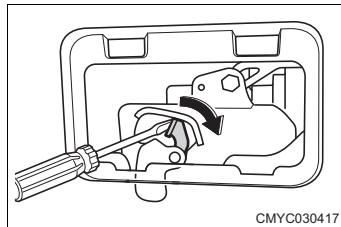


4 Move the lever.

▶ vehicles without power back door



▶ vehicles with power back door



5 When installing, reverse the steps listed.

■ Customizations

You can customize the operations performed by the back door switch.

(List of customizable features: → P. 588)

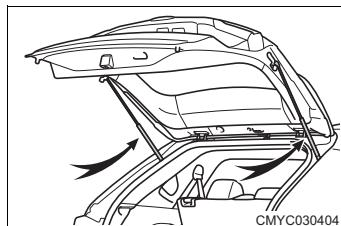
! NOTICE

■ 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.

 **NOTICE**

- Do not attach any accessories other than genuine Toyota parts to the back door.
- Do not place your hand on the damper stay or apply lateral forces to it.

Opening/closing the back door (vehicles with power back door)

■ Using the wireless function

Press and hold the switch.

A buzzer sounds and the power back door automatically opens/closes.

Unlock the back door before operating.

Pressing the switch while the power back door is opening/closing stops the operation. When the switch is pressed again during the halted operation, the back door will perform the reverse operation.



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3

Operation of each component

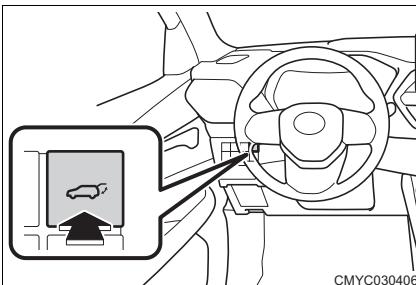
■ Opening/closing the back door from the inside

Press and hold the switch.

A buzzer sounds and the power back door automatically opens/closes.

Unlock the back door before operating.

Pressing the switch while the power back door is opening/closing stops the operation. When the switch is pressed again during the halted operation, the back door will perform the reverse operation.



CMYC030406

■ Opening/closing the back door from the outside

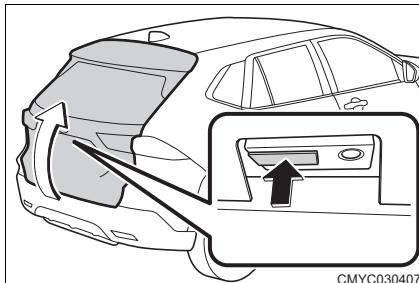
● Open

When the back door is unlocked: Press the back door opener switch.

When the back door is locked: While carrying the electronic key on your person, press the back door opener switch.

A buzzer sounds and the power back door automatically opens.

Pressing the switch while the power back door is opening/closing stops the operation.

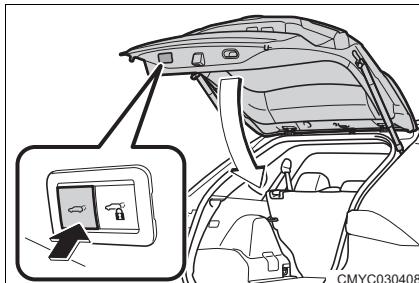


● Close

Press the switch.

A buzzer sounds and the power back door automatically closes.

Pressing the switch while the power back door is operating will stop the operation. When the switch is pressed again during the halted operation, the back door will perform the reverse operation.

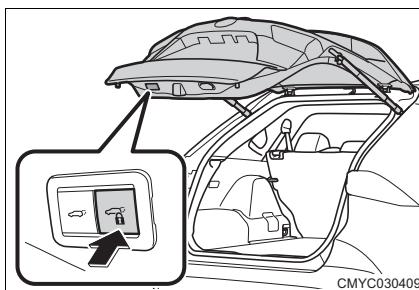


● Close the back door and lock all doors (close & lock function)

Press the close & lock switch.

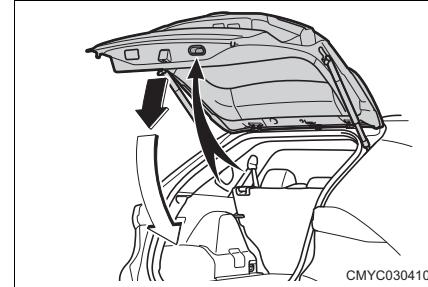
The power back door will close and all of the doors will be locked at the same time. A different buzzer than the normal one will sound and the power back door will begin closing automatically. When the power back door is closed, all of the doors will lock simultaneously and operation signals will indicate that all of the doors have been locked.

If the close & lock switch is pressed during the power back door closing, the operation stops and all the doors unlock. If the close & lock switch is pressed again, the power back door closes and all the doors lock.



■ Using the back door handles

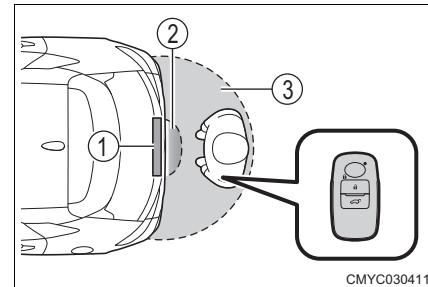
Lower the back door using the back door handle, then a buzzer sounds and the back door automatically closes.



■ Using the kick sensor (Hands Free Power Back Door)

- 1** While carrying an electronic key, stand within the key-free system operation range, approximately 30 to 50 cm (11.8 to 19.7 in.) from the rear bumper.

- ① Kick sensor
- ② Hands Free Power Back Door operation detection area
- ③ Key-free system operation detection area (→ P. 144)



3

Operation of each component

- 2** Perform a kick operation by moving your foot to within approximately 10 cm (3.9 in.) of the rear bumper and then pulling it back.

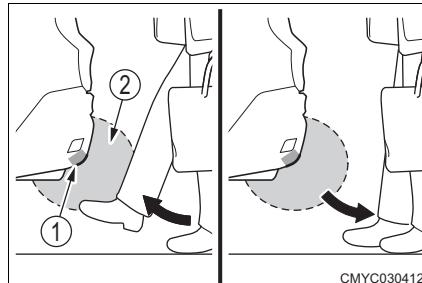
Perform the entire kick operation within 1 second.

The back door will not start operating while a foot is detected under the rear bumper.

Operate the Hands Free Power Back Door without contacting the rear bumper with your foot.

If another electronic key is in the cabin or luggage compartment, it may take slightly longer than normal for the operation to occur.

- ① Kick sensor
- ② Hands Free Power Back Door operation detection area



3 When the kick sensor detects that your foot is pulled back, a buzzer will sound and the back door will automatically fully open/close.

If a foot is moved under the rear bumper while the back door is opening/closing, the back door will stop moving.

If a foot is moved under the rear bumper again during the halted operation, the back door will perform the reverse operation.

■ Luggage compartment light

→ P. 167

■ Back door closer

In the event that the back door is left slightly open, the back door closer will automatically close it to the fully closed position.

Whatever the state of the engine switch <power switch>, the back door closer operates.

■ Power back door operating conditions

The power back door can automatically open and close under the following conditions:

- When the power back door system is enabled. (→ P. 127)
- When the back door is unlocked.

However, if the back door opener switch is pressed while carrying the electronic key on your person, the power back door will be operated even if the back door is locked. (→ P. 169)

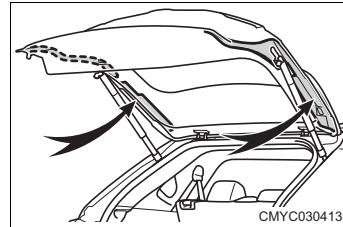
- When the engine switch <power switch> is in ON, in addition to the above for the opening operations, the back door operates for any of the following conditions:
 - Parking brake is engaged
 - The brake pedal is depressed
 - The shift lever is in P.

■ Operation of the power back door

- When the power back door begins to operate, a buzzer will sound.
- When the power back door system is disabled, the power back door does not operate but it can be opened and closed by hand.
- When the power back door automatically opens, if an abnormality due to people or objects is detected, operation will stop.

■ Jam protection function

Sensors are equipped on both sides of the power back door. If anything obstructs the power back door while it is closing, the back door will automatically operate in the opposite direction or stop.



3

Operation of each component

■ Back door reserve lock function

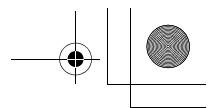
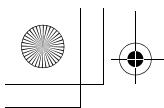
This function is a function which reserves locking of all doors, beforehand, when the power back door is open.

When the following procedure is performed, all the doors except the power back door are locked and then power back door will also be locked at the same time it is closed.

- ①** Close all doors, except the back door.
- ②** During the power back door closing operation, lock the doors using the key-free system from the front doors (→ P. 153) or the wireless remote control. (→ P. 153)

A buzzer sounds and the emergency flashers flash to indicate that all the doors have been closed and locked.

- If the electronic key is placed inside the vehicle after starting a close operation via the door reserve lock function, the electronic key may become locked inside the vehicle.
- If the power back door does not fully close due to the operation of the jam protection function, etc., while the back door is automatically closing after a door reserve lock operation is performed, the door reserve lock function is canceled and all the doors will unlock.
- Before leaving the vehicle, make sure that all the doors are closed and locked.



■ Close & lock function

When the power back door is open, this function closes the power back door and then locks all of the doors simultaneously.

When the following procedures are performed and there are no electronic keys for the vehicle within the vehicle, all of the doors will lock when the power back door is completely closed.

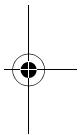
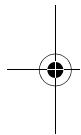
- ① Close all of the doors except the power back door.
- ② While carrying an electronic key, press the close & lock switch on the lower part of the power back door (→ P. 169).

A different buzzer than the normal one will sound and then the power back door will begin closing automatically. When the power back door is closed, all of the doors will lock simultaneously and operation signals will indicate that all of the doors have been locked.

■ Situations in which the close & lock function may not operate properly

In the following situations, the close & lock function may not operate properly:

- If the close & lock switch on the lower part of the power back door (→ P. 169) is pressed by a hand which is holding an electronic key
- If the close & lock switch on the lower part of the power back door is pressed when the electronic key is in a bag, etc. that is placed on the ground
- If the close & lock switch on the lower part of the power back door is pressed with the electronic key not near the vehicle

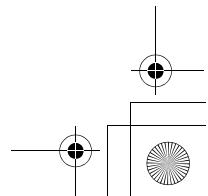
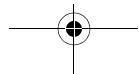
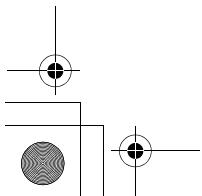


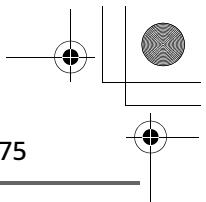
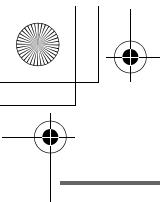
■ Kick sensor operating conditions

The Hands Free Power Back Door will open/close automatically when the following conditions are met:

- The kick sensor operation is enabled (→ P. 127)
- The electronic key is within the operational range. (→ P. 171)
- A foot is put near the lower center part of the rear bumper and moved away from the rear bumper.

The power back door may also be operated by putting a hand, an elbow, a knee, etc. near the lower center part of the rear bumper and moving it away from the rear bumper. Make sure to hold it close enough to the center part of the rear bumper.





3-2. Opening, closing and locking the doors

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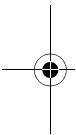
Situations in which the Hands Free Power Back Door may not operate properly

In the following situations, the Hands Free Power Back Door may not operate properly:

- When a foot remains under the rear bumper
- If the rear bumper is strongly hit with a foot or is touched for a while
If the rear bumper has been touched for a while, wait for a short time before attempting to operate the Hands Free Power Back Door again.
- When operated while a person is too close to the rear bumper
- When an external radio wave source interferes with the communication between the electronic key and the vehicle (→ P. 147)
- When the vehicle is parked near an electrical noise source which affects the sensitivity of the Hands Free Power Back Door, such as a pay parking spot, gas station, electrically heated road, or fluorescent light
- When the vehicle is near a TV tower, electric power plant, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When a large amount of water is applied to the rear bumper, such as when the vehicle is being washed or in heavy rain
- When mud, snow, ice, etc. is attached to the rear bumper
- When the vehicle has been parked for a while near objects that may move and contact the rear bumper, such as plants
- When an accessory is installed to the rear bumper
If an accessory has been installed, turn the Hands Free Power Back Door (kick sensor) operation setting off.

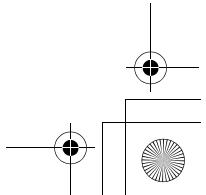
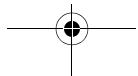
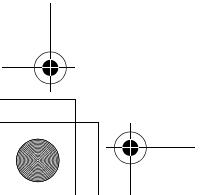
3

Operation of each component

**Preventing unintentional operation of the Hands Free Power Back Door**

When an electronic key is in the operation range, the Hands Free Power Back Door may operate unintentionally, so be careful in the following situations.

- When a large amount of water is applied to the rear bumper, such as when the vehicle is being washed or in heavy rain
- When dirt is wiped off the rear bumper
- When a small animal or small object, such as a ball, moves under the rear bumper
- When an object is moved from under the rear bumper
- If someone is swinging their legs while sitting on the rear bumper
- If the legs or another part of someone's body contacts the rear bumper while passing by the vehicle



- When the vehicle is parked near an electrical noise source which affects the sensitivity of the Hands Free Power Back Door, such as a pay parking spot, gas station, electrically heated road, or fluorescent light
 - When the vehicle is near a TV tower, electric power plant, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
 - When the vehicle is parked in a place where objects such as plants are near the rear bumper
 - If luggage, etc. is set near the rear bumper
 - If accessories or a vehicle cover is installed/removed near the rear bumper
 - When the vehicle is being towed
- To prevent unintentional operation, turn the Hands Free Power Back Door (kick sensor) operation setting off. (→ P. 127)

■ When reconnecting the battery <12-volt battery>

To enable the power back door to operate properly, close the back door manually.

■ If the power back door opener is inoperative

→ P. 167

■ Customization

You can change the power back door opening angle, etc.

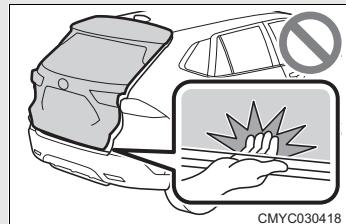
(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 127)

! WARNING

■ Back door closer

- In the event that the back door is left slightly open, the back door closer will automatically close it to the fully closed position. It takes several seconds before the back door closer begins to operate. Be careful not to catch fingers or anything else in the back door, as this may cause bone fractures or other serious injuries.
- Use caution when using the back door closer as it still operates when the power back door system is canceled.



CMYC030418

WARNING

■ Power back door

Observe the following precautions when operating the power back door.

Failure to do so may cause death or serious injury.

- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- If the power back door system is turned off while the back door is operating automatically, the automatic operation is stopped. The back door then has to be operated manually. Take extra care when on an incline, as the back door may open or close unexpectedly.
- If the operating conditions of the power back door are no longer met, a buzzer may sound and the back door may stop opening or closing. The back door then has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
- On an incline, the back door may suddenly shut after it opens. Make sure the back door is fully open and secure.
- In the following situations, the power back door may detect an abnormality and automatic operation may be stopped. In this case, the back door has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
 - When the back door contacts an obstacle
 - When the battery <12-volt battery> voltage suddenly drops, such as when the engine switch <power switch> is turned to ON or the engine <hybrid system> is started during automatic operation
- 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.

■ Jam protection function

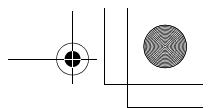
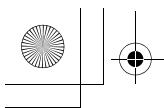
Observe the following precautions.

Failure to do so may cause death or serious injury.

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the back door fully closes. Be careful not to catch fingers or anything else.
- The jam protection function may not work depending on the shape of the object that is caught. Be careful not to catch fingers or anything else.

3

Operation of each component



⚠ WARNING

■ Hands Free Power Back Door

Observe the following precautions when operating the Hands Free Power Back Door.

Failure to do so may cause death or serious injury.

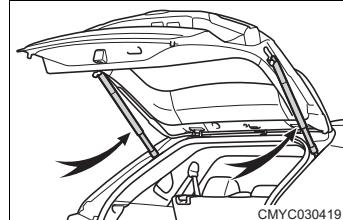
- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.
- When putting your foot near the lower center part of the rear bumper and moving it from the rear bumper, be careful not to touch the exhaust pipes until they have cooled down sufficiently, as touching hot exhaust pipes can cause burns.
- Do not leave the electronic key within the effective range (detection area) of the luggage compartment.

⚠ NOTICE

■ Back door spindles

The back door is equipped with spindles that hold the back door in place. Observe the following precautions.

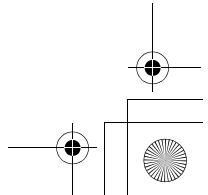
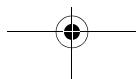
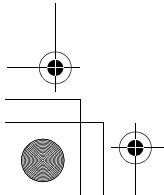
Failure to do so may cause damage to the back door spindle, resulting in malfunction.

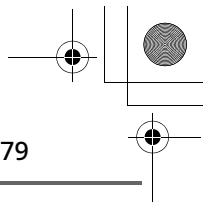
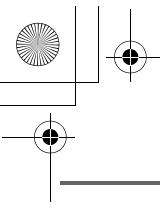


- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the spindle rod.
- Do not touch the spindle rod with gloves or other fabric items.
- Do not attach heavy accessories to the back door. When attaching, ask your Toyota dealer for details.
- Do not place your hand on the spindle or apply lateral forces to it.

■ To prevent back door closer malfunction

Do not apply excessive force to the back door while the back door closer is operating. Applying excessive force may cause the back door closer to malfunction.





3-2. Opening, closing and locking the doors

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NOTICE**To prevent damage to the power back door**

- Make sure that there is no ice between the back door and frame that would prevent movement of the back door. Operating the power back door when excessive load is present on the back door may cause a malfunction.
- Do not apply excessive force to the back door while the power back door is operating.
- Take care not to damage the sensors (installed on the right and left edges of the power back door) with a knife or other sharp object. If the sensor is disconnected, the power back door will not close automatically.

Close & lock function

When closing the power back door using the close & lock function, a different buzzer than the normal one will sound before the operation begins. To check that the operation has started correctly, check that a different buzzer than the normal one has sounded. Additionally, when the power back door is fully closed and locked, operation signals will indicate that all of the doors have been locked. Before leaving the vehicle, make sure that the operation signals have operated and that all of the doors are locked.

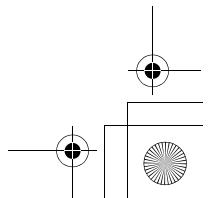
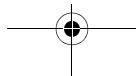
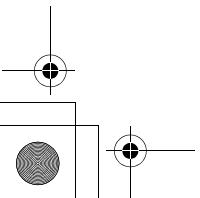
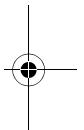
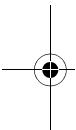
3

Operation of each component

Hands Free Power Back Door precautions

The kick sensor is located behind lower center part of the rear bumper. Observe the following to ensure that the Hands Free Power Back Door function operates properly:

- Keep the lower center part of the rear bumper clean at all times.
If the lower center part of the rear bumper is dirty or covered with snow, the kick sensor may not operate. In this situation, clean off the dirt or snow, move the vehicle from the current position and then check if the kick sensor operates.
If it does not operate, have the vehicle inspected by your Toyota dealer.
- Do not apply coatings that have a rain clearing (hydrophilic) effect, or other coatings, to the lower center part of the rear bumper.
- Do not park the vehicle near objects that may move and contact the lower center part of the rear bumper, such as grass or trees.
If the vehicle has been parked for a while near objects that may move and contact the lower center part of the rear bumper, such as grass or trees, the kick sensor may not operate. In this situation, move the vehicle from the current position and then check if the kick sensor operates. If it does not operate, have the vehicle inspected by your Toyota dealer.



180 3-2. Opening, closing and locking the doors

NOTICE

- Do not subject the kick sensor or its surrounding area to a strong impact.
If the kick sensor or its surrounding area has been subjected to a strong impact, the kick sensor may not operate properly. If the kick sensor does not operate in the following situations, have the vehicle inspected by your Toyota dealer.
 - The kick sensor or its surrounding area has been subjected to a strong impact.
 - The lower center part of the rear bumper is scratched or damaged.
- Do not disassemble the rear bumper.
- Do not attach stickers to the rear bumper.
- Do not paint the rear bumper.
- If a bicycle carrier or similar heavy object is attached to the power back door, disable the kick sensor. (→ P. 127)

Adjusting the open position of the back door (vehicles with power back door)

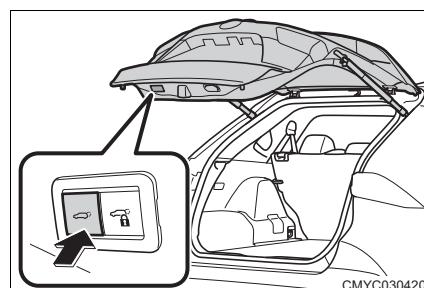
The open position of the power back door can be adjusted.

1 Stop the back door in the desirable position. (→ P. 169)

2 Press and hold the power back door switch on the back door for approximately 2 seconds.

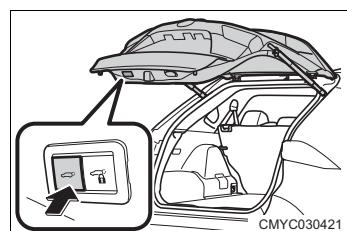
When the settings are completed, the buzzer sounds 4 times.

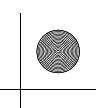
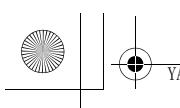
When opening the back door the next time, the back door will stop at that position.

**Cancelling the adjusted open position of the back door**

Press and hold the power back door switch on the back door for approximately 7 seconds.

After the buzzer sounds 4 times, it sounds twice more. When the power back door does the opening operation the next time, the door will open to the initial settings position.





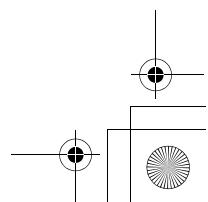
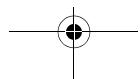
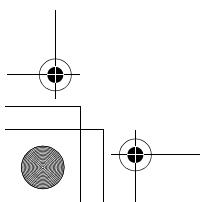
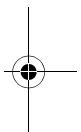
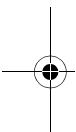
■ Customization

The opening position can be set with the TFT color multi-information display.
(→ P. 127)

Priority for the stop position is given to the last position set by either the power back door switch on the back door or TFT color multi-information display.



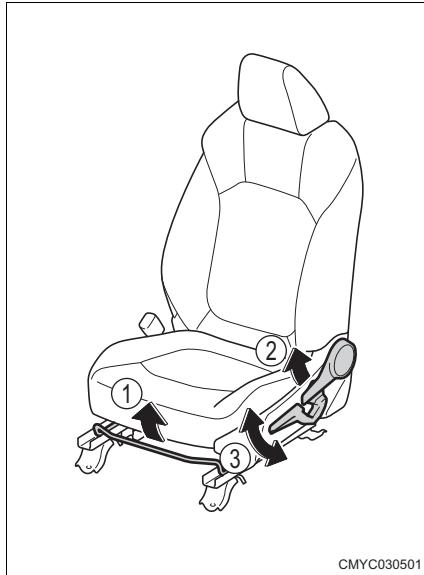
Operation of each component



Front seats

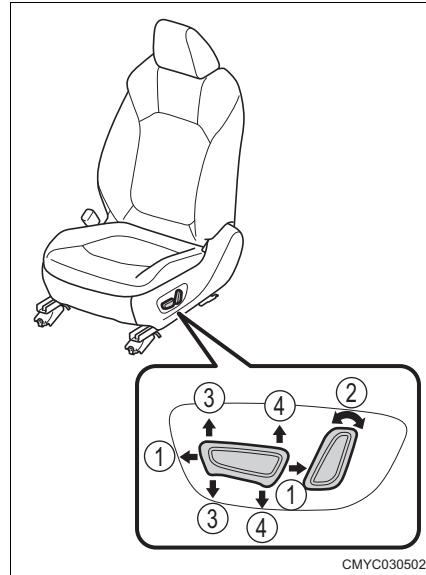
Adjustment procedure

► Manual seat*



CMYC030501

► Power seat* (driver's side only)



CMYC030502

① Front/rear position adjustment

② Reclining adjustment

③ Overall seat height adjustment*
(driver's seat only)

① Front/rear position adjustment

② Reclining adjustment

③ Seat cushion (front) angle adjustment
④ Overall seat height adjustment

*: If equipped

WARNING

■ When adjusting the seat

- 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 serious injury.
Fingers or hands may become jammed in the seat mechanism.
- Provide sufficient legroom and be careful not to get your feet caught.

■ Reclining adjustment

- Be sure support the seatback with your hands when operating the seatback. The seatback may fall back suddenly.
- Do not apply excessive force to the seatback. If a strong force is applied to the seatback, it may suddenly fall back and cause injury.
- Do not recline the seatback more than necessary.
If the seat is too reclined, the seat belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.
- After adjusting the seat, make sure that the seat is locked in position.

3

Operation of each component

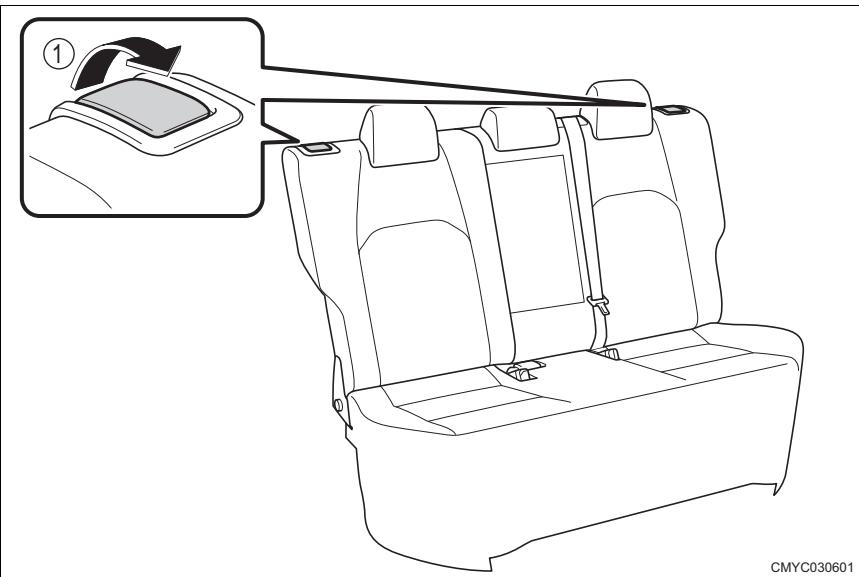
NOTICE

■ When adjusting a front seat

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

Rear seats

Adjustment procedure



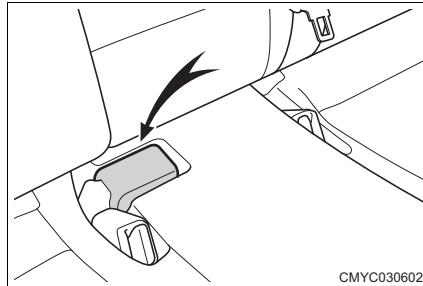
CMYC030601

① Reclining adjustment

Pull the reclining lever and adjust the seatback in 2 stages.

Folding the seat forward

- 1** Store the seat belt buckle of the rear middle seat



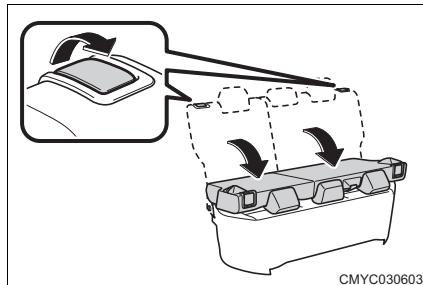
- 2** Lower the head restraint all the way to be bottom (→ P. 187)

- 3** While pulling the reclining lever, bend the seatback forward

Pull the lever until the lock is fully released.

3

Operation of each component



- 4** To return the seatback to its original position, perform the steps in the reverse order

WARNING

Observe the following precautions.

Failure to do so may cause death or serious injury.

■Seat adjustments

- Be careful not to hit the passengers or luggage with the seat.
- Be sure support the seatback with your hands when operating the seatback. The seatback may fall back suddenly.
- Do not apply excessive force to the seatback. If a strong force is applied to the seatback, it may suddenly fall back and cause injury.
- When someone sits in the rear middle seat, make sure to adjust the seatback angle of the rear seats on both sides.
Failure to maintain the correct posture could result in serious injury or death in the event of an accident.
- After adjusting the seat, make sure that the seat is secured in place.

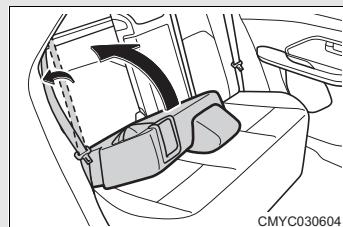
WARNING

■ When folding the seatback forward

- Do not operate the rear seats while driving
- Make sure that the parking brake is applied on a flat area and set the shift lever to P (for continuously variable transmission vehicles or hybrid transmission vehicles) or N (manual transmission vehicles)
- When adjusting the seat, be careful not to get your hands or feet caught in the movable parts or coupling parts
- Do not allow anyone sit on a folded seatback or ride in the luggage compartment while driving
- Be careful not to let a child enter the luggage compartment

■ After returning the seatback to the upright position

- Make sure the seatback is securely locked by pushing it forward and rearward
- Check that the seat belts are not twisted or caught in the seatback.
If the seat belt gets caught between the seatback's securing hook and latch, it may damage the seat belt.



NOTICE

■ When folding the seatback forward

Before you fold the seatback down, make sure to retract the seat belt and the buckle of the rear middle seat.

Failure to do so may damage the seat or buckle.

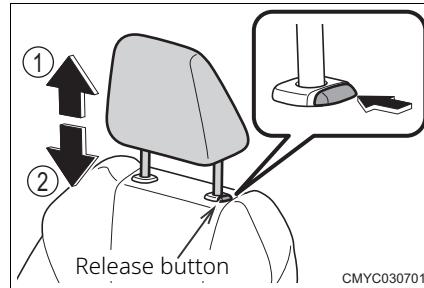
Head restraints

Front seats

① Raise

② Lower

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



3

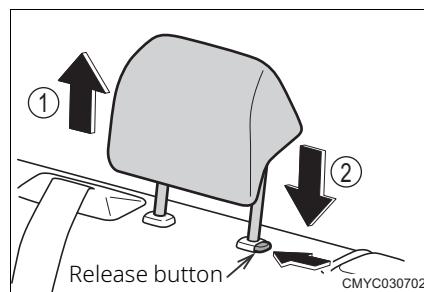
Operation of each component

Rear seats

① Raise

② Lower

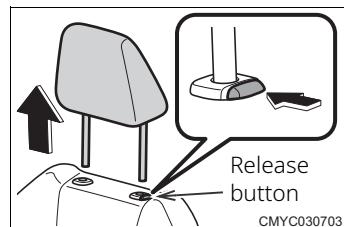
Push the head restraint down while pressing the lock release button.



■ Removing the head restraints

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

If the ceiling is preventing you from removing the front seat's head restraints, fold down the seatback.
(→ P. 182)

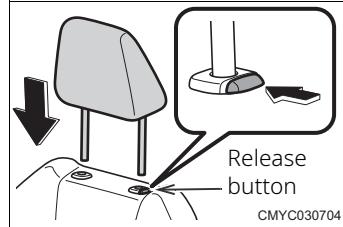


■ Installing the head restraints

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

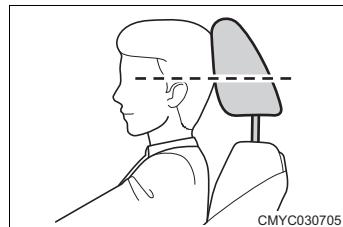
Press and hold the lock release button when lowering the head restraint further.

* If it is difficult to push the head restraint down, press the lock release button while pushing down.



■ Height of the front seat head restraint

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



■ Using head restraints on the rear seats

When using, make sure that it is one stage above the stored position.

WARNING

■ Head restraints

Observe the following precautions.

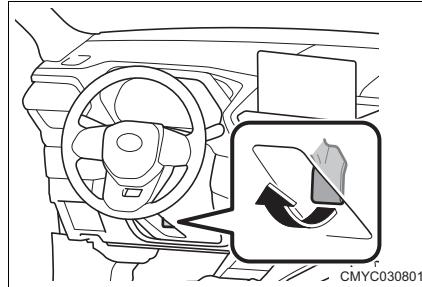
Failure to do so may cause death or serious injury.

- Use the head restraints designed for each respective seat.
- Adjust the head restraints to the correct position at all times
- Do not attach the head restraints backwards
- 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

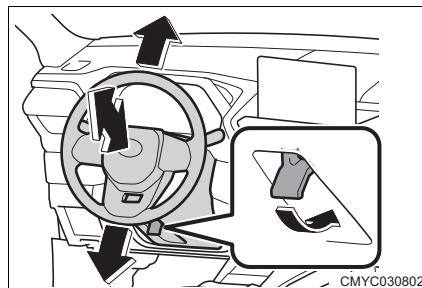
- 1** Grip the steering wheel and raise the lever



CMYC030801

- 2** Move the steering wheel up and down or front and back* to adjust it to the right position

Once you decided on the position, lower the lever and secure the steering wheel in place.



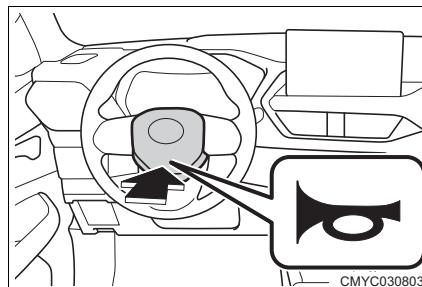
CMYC030802

3

Operation of each component

Horn

If you press the periphery of  on the steering wheel, the horn will sound.



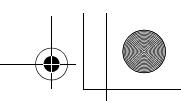
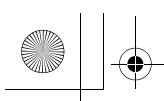
CMYC030803

After adjusting the steering wheel position

Make sure that the steering wheel is secured in place.

If it is not secured in place, the horn may not sound. (→ P. 189)

*: If equipped

**WARNING****■Important points while driving**

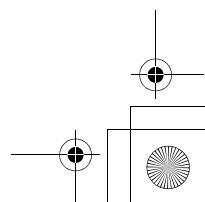
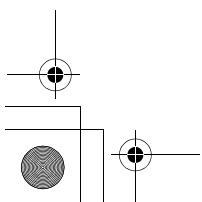
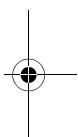
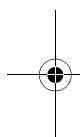
Do not adjust the steering wheel position while driving.

Doing so may lead to mishandling of the vehicle that could result in serious injury or death.

■After adjusting the steering wheel position

Make sure that the steering wheel is secured in place.

If the steering wheel is not secured in place, its position changes all of a sudden, which could lead to an unforeseen accident and result in serious injury or death.



Inside rear view mirror

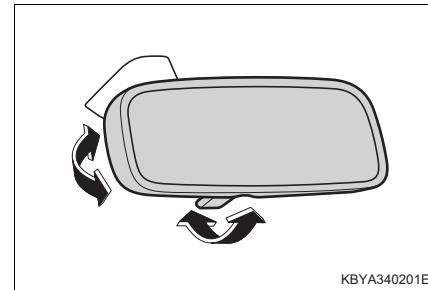
The inside rear view mirror's position can be adjusted to enable sufficient confirmation of the rear view.

Adjustment procedure

The inside rear view mirror's angle and height can be adjusted according to the driver's position.

■ Adjusting the angle

Adjust it by holding the inside rear view mirror body



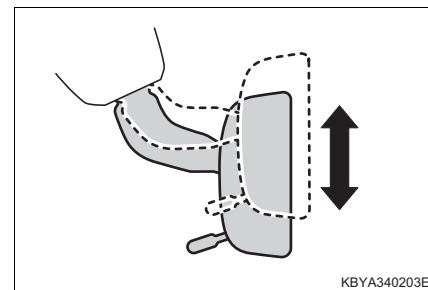
KBYA340201E

3

Operation of each component

■ Adjusting the height

Adjust it in vertical direction by holding the inside rear view mirror body

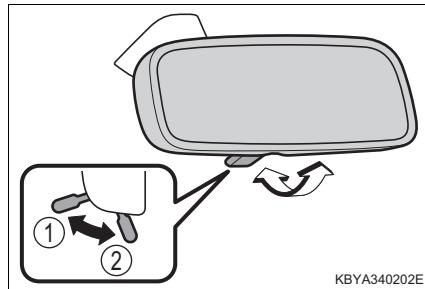


KBYA340203E

Anti-glare function

Operate the lever to reduce the reflected light by the headlights of the vehicle behind you.

- ① Normal use
- ② Anti-glare ON



WARNING

Caution while driving

Do not adjust the mirror while driving.

Doing so may lead to mishandling of the vehicle and cause an accident, resulting in death or serious injury.

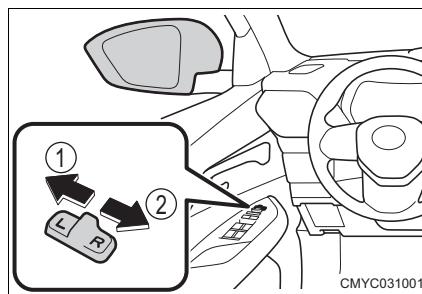
Outside rear view mirrors

Adjustment procedure

Use the switch to adjust the mirror angle.

① Select a mirror to adjust

- ① Left
- ② Right

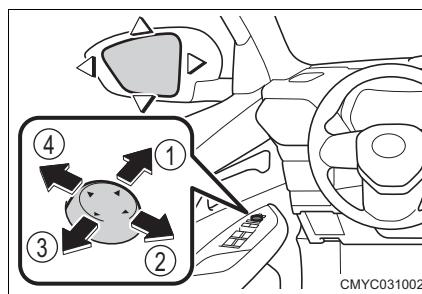


3

Operation of each component

② Operate the switch to adjust the mirror surface

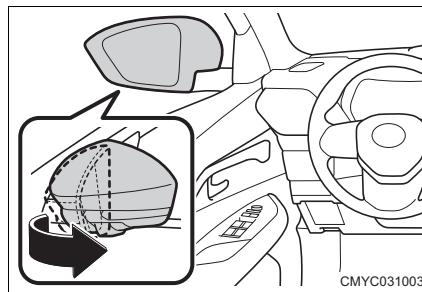
- ① Top
- ② Right
- ③ Bottom
- ④ Left



Folding the outside rear view mirrors (manual type)

Fold the outside rear view mirrors by pushing them backward with hand

Use your hand to push them forward and restore them to the original position.

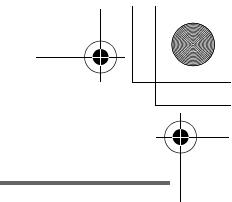
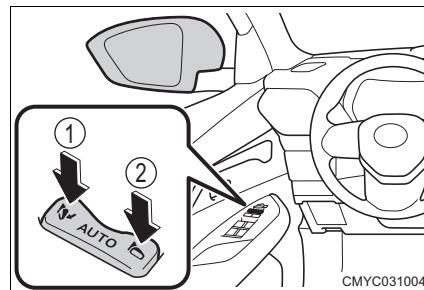


Folding the outside rear view mirrors (electric type)

■ How to fold and extend the mirrors manually

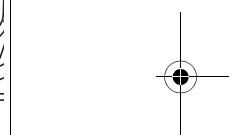
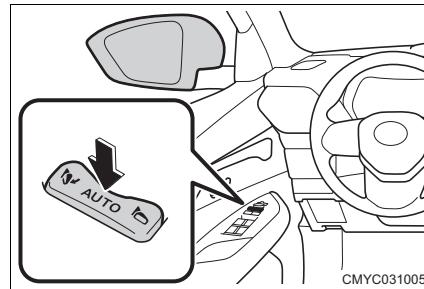
Press the switch

- ① Fold
- ② Extend



■ Automatic mode

When the switch is set to the neutral (AUTO) position, the outside rear view mirrors are automatically folded and extended according to the door locking and unlocking operation by the lock/unlock switch or key-free system.



■ Operating conditions

When the engine switch <power switch> is "ACC" or "ON"

■ When using the outside rear view mirrors in a cold weather

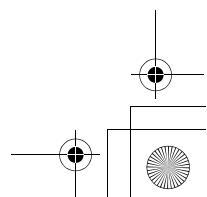
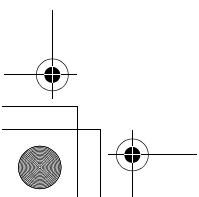
When it is cold and the outside rear view mirrors are frozen, it may not be possible to fold/extend them or adjust the mirror surface. Remove the ice, snow, etc. covering the outside rear view mirrors.

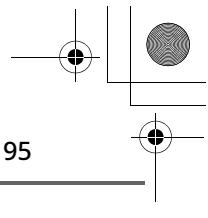
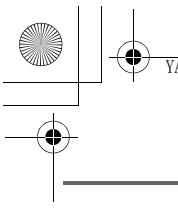
■ Disabling folding (or extension) in the automatic mode (electric type)

Set the switch to the extend (or fold) position.

■ Customizations (electric type)

You can customize the operation contents of the automatic mode. (List of customizable features: → P. 588)





3-4. Steering wheel position and mirrors

195

WARNING**■Important points while driving**

Be sure to observe the following precautions while driving the vehicle.

Failure to do so may result in mishandling 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 outside rear view mirrors folded
- Both the driver and passenger side mirrors must be extended and properly adjusted before driving

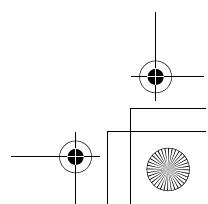
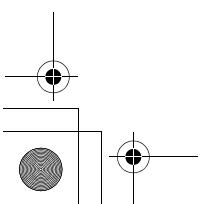
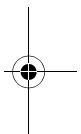
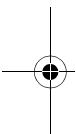
■When the mirror is moving (electric type)

Do not touch it with your hands.

Doing so could get your hands caught and cause injury or the mirror to malfunction.

3

Operation of each component



Power windows

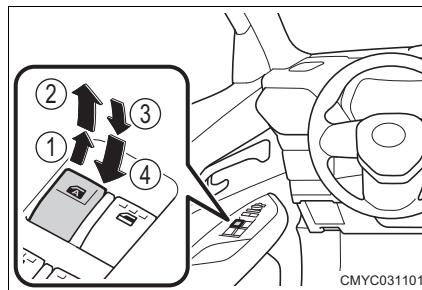
Opening and closing procedures

You can use the switch to open and close the door windows.

Using the switch, you can move the door windows as specified below.

- ① Close
- ② Automatic full close (driver's seat only)*
- ③ Open
- ④ Automatic full open (driver's seat only)*

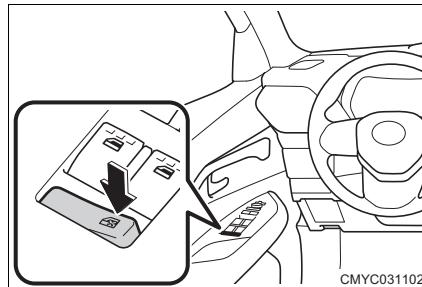
* To interrupt the operation, lightly move the switch to the opposite side.



Window lock switch

Pressing the switch disables operations of all the door windows except the driver's door window.

This function can prevent children from accidentally opening and closing the door windows.



■ Operating conditions

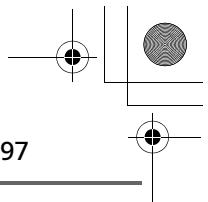
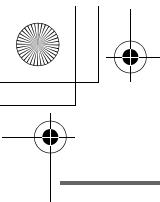
When the engine switch <power switch> is "ON"

■ Operation after stopping the engine <hybrid system> (driver's seat only)

Even after turning the engine switch <power switch> to "ACC" or "OFF", you can still open and close the door windows for approximately 40 seconds.

■ Jam protection function (driver's seat only)

When a foreign object gets trapped between the window frame and the door window while the door window is closing, the door window remains slightly open, and the power window operation stops.



■ Overheat protection function of the power window motor

The power window motor has a built-in overheat protection function. If the power window motor continues to run at a high load, the overheat protection function may get activated and temporarily stops the power window operation. After several seconds, it starts working normally again.

■ When the driver's door window will not close

When the driver's door window will not close all the way due to the jam protection function being activated abnormally, perform the following operations using the window switch on the driver's door.

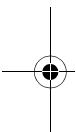
- [1] Stop the vehicle and turn the engine switch <power switch> to "ON"
- [2] Pull the window switch on the driver's door until it reaches the "automatic full close" position, close the door window all the way, and keep holding the switch for 6 seconds

If you release your hand from the switch while the door window is moving, you need to start over from the beginning.

If these operations do not close the door window all the way and the window still moves in a reverse direction, bring your vehicle to a Toyota dealer for inspection.

3

Operation of each component

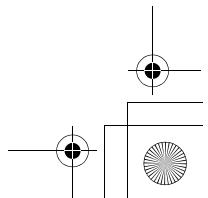
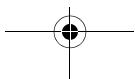
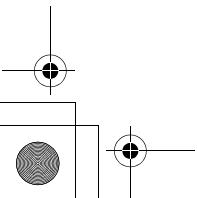
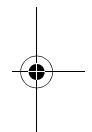


■ Reconnecting the battery <12-volt battery>

Follow the steps described below and configure the initial settings to ensure proper operation of the power windows.

- [1] Turn the engine switch <power switch> to "ON"
- [2] Hold down the window switch of the driver's door to open the window all the way
- [3] Pull the window switch on the driver's door until it reaches the "automatic full close" position, close the door window all the way, and keep holding the switch for 2 seconds

If you release your hands from the switch while the door window is moving, you need to start over from the step [2].



WARNING

Observe the following precautions.

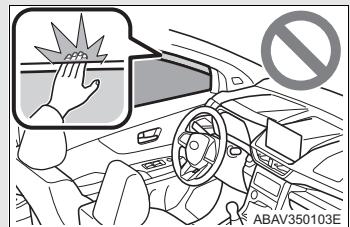
Failure to do so may cause death or serious injury.

■ 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. 196)

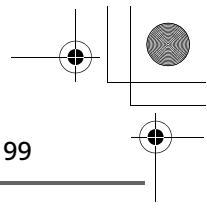
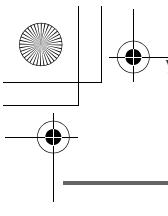
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window is being operated.



- When exiting the vehicle, turn the engine switch <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 (driver's seat only)

- Never try to have the passengers put their hands, arms, heads, and necks out to be caught in the door window so as to activate the jam protection function.
- The jam protection function may not be activated if a foreign object gets caught right before the door windows close completely. In addition, the jam protection function will not be activated if the switch is kept being pulled. Be careful not to get your fingers caught.
- Especially when a small object gets caught, the jam protection function may not be activated.



3-5. Opening and closing the windows

199

⚠ NOTICE

Observe the following precautions. Failure to do so will lead to malfunction.

■ To prevent malfunction of the power windows

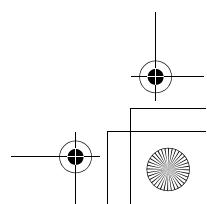
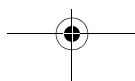
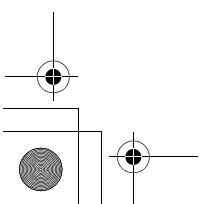
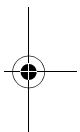
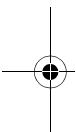
- Do not operate the driver's door window switch and the other switches in the opposite direction at the same time
- Do not keep operating the window switch while the door windows are fully open or closed
- Do not keep operating the window switch when the window glass is frozen and does not move

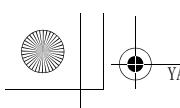
■ To prevent battery <12-volt battery> discharge

Do not open or close the power windows unnecessarily when the engine <hybrid system> is stopped.

3

Operation of each component

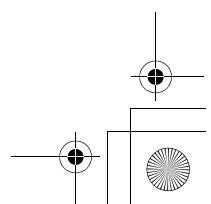
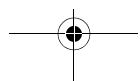
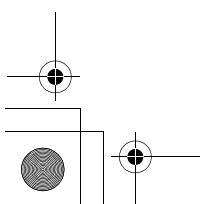
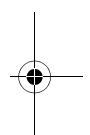
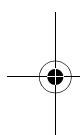
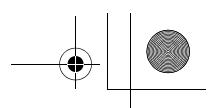




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3-5. Opening and closing the windows



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Driving the vehicle

The following procedures should be observed to ensure safe driving:

Starting the engine <hybrid system>

→ P. 218, 223

Starting the vehicle

► Continuously variable transmission vehicles or hybrid transmission vehicles

- [1] With the brake pedal depressed, set the shift lever to D (→ P. 231, 239)
- [2] Release the parking brake (→ P. 243)
- [3] Gradually release the brake pedal and gently depress the accelerator pedal to start off the vehicle

► Manual transmission vehicles

- [1] With the clutch pedal depressed, set the shift lever to the gear 1 (→ P. 237)
- [2] Release the parking brake (→ P. 243)
- [3] Gradually release your foot from the clutch pedal and gently depress the accelerator pedal to start moving the vehicle

Stopping the vehicle

► Continuously variable transmission vehicles

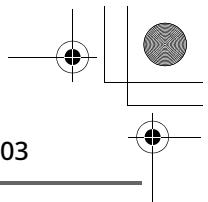
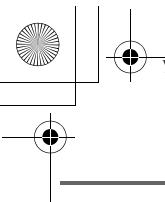
- [1] With the shift lever in D, depress the brake pedal
- [2] If necessary, apply the parking brake

If the vehicle is to be stopped for an extended period of time, set the shift lever to P or N. (→ P. 231)

► Manual transmission vehicles

- [1] Depress the brake pedal while depressing the clutch pedal
- [2] If necessary, apply the parking brake

If you plan to stop the vehicle for an extended period, set the shift lever to N. (→ P. 237)



► Hybrid transmission vehicles

- ① With the shift lever in D, depress the brake pedal
- ② If necessary, apply the parking brake

If the vehicle is to be stopped for an extended period of time, set the shift lever to P.
(→ P. 239)

Parking the vehicle

► Continuously variable transmission vehicles or hybrid transmission vehicles

- ① With the shift lever in D, depress the brake pedal to stop the vehicle completely
- ② With the brake pedal depressed, apply the parking brake (→ P. 243), and set the shift lever in P (→ P. 231, 239)

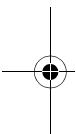
Do not press the shift lever button after setting the shift lever in P.

When the parking brake is activated by the automatic mode, the parking brake is applied automatically by setting the shift lever in P. (→ P. 244)

Check that the parking brake indicator (→ P. 243) is lit.

4

Driving



- ③ Turn "OFF" the engine switch <power switch> to stop the engine <hybrid system>

- ④ Release your foot gradually from the brake pedal

- ⑤ Lock the door, making sure that you have the key on your person
When you park the vehicle in the middle of a hill, use wheel chocks as needed.

► Manual transmission vehicles

- ① While stepping on the clutch pedal, depress the brake pedal to stop the vehicle completely

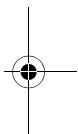
- ② While stepping on the clutch pedal and brake pedal, apply the parking brake (→ P. 243)

- ③ Set the shift lever in N, and release your foot from the clutch pedal

- ④ Turn "OFF" the engine switch to stop the engine

When the parking brake is activated by the automatic mode, the parking brake is applied automatically. (→ P. 244)

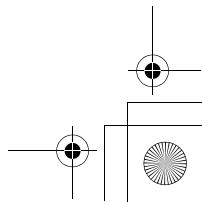
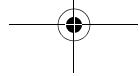
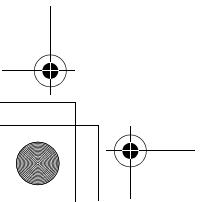
Check that the parking brake indicator (→ P. 243) is lit.



- ⑤ Release your foot gradually from the brake pedal

- ⑥ Lock the door, making sure that you have the key on your person

When you park the vehicle in the middle of a hill, set the shift lever to the gear 1 (uphill) or R (downhill) and use wheel chocks as needed.



Starting off on an uphill

► Continuously variable transmission vehicles

① Apply the parking brake and set the shift lever to D

② Gently depress the accelerator pedal

The auto release function (→ P. 245) releases the parking brake when the accelerator pedal is depressed.

③ When you feel the vehicle start to move, release the parking brake and start off

► Manual transmission vehicles

① Apply the parking brake and set the shift lever to the gear 1

② Lightly step on the accelerator pedal and release your foot from the clutch pedal at the same time

The auto release function (→ P. 245) releases the parking brake when the clutch is engaged.

③ When you feel the vehicle start to move, release the parking brake and start off

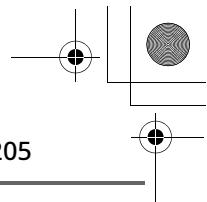
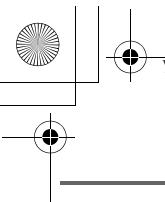
► Hybrid transmission vehicles

① Apply the parking brake and set the shift lever to D

② Gently depress the accelerator pedal

The auto release function (→ P. 245) releases the parking brake when the accelerator pedal is depressed.

③ Release the parking brake and start off

**■ For fuel-efficient driving (hybrid transmission vehicles)**

Keep in mind that hybrid electric vehicles are similar to conventional vehicles, and it is necessary to refrain from activities such as sudden acceleration. (→ P. 384)

■ Starting off on an uphill

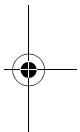
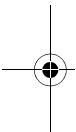
The hill-start assist control will be activated. (→ P. 378)

■ 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 driving at high speeds 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.



Driving

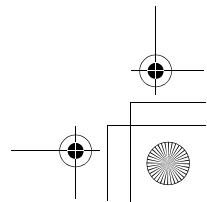
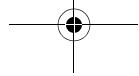
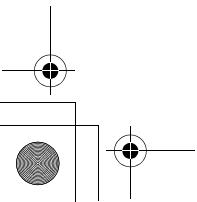
**■ Engine speed while driving (continuously variable transmission vehicles)**

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

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

■ Engine power <hybrid system output> suppression control (Brake Override System)

- When the accelerator pedal and the brake pedal are depressed simultaneously, the engine <hybrid system> output may be suppressed.
- When the Brake Override System is operating, the warning message is displayed. (→ P. 535)



**■ Suppression of sudden start and suppression of back-up speed (Drive-Start Control)
(Continuously variable transmission vehicles or hybrid transmission vehicles)**

- In the following cases, the Drive-Start Control will be activated.
 - When an unusual operation is performed such as operating the shift lever while depressing the accelerator pedal (R to D, D to R, N to R, P to D, or P to R) (D includes the S position), the engine <hybrid system> output may be suppressed.
In this case, the warning message is displayed on the TFT color multi-information display. (→ P. 535)
 - The engine <hybrid system> output is suppressed* so that the back-up speed will be the specified speed or lower.
- * Depending on the situation, the speed may not be suppressed to the specified speed or lower.
- When the Drive-Start Control is activated, escaping from a mud, fresh snow, or the like may be difficult. In such a case, deactivating the TRC (→ P. 379) stops the Drive-Start Control and makes it easier to escape.
- When the warning message of "Drive-Start Control Malfunction Visit Your Dealer" (→ P. 535) is displayed on the TFT color multi-information display, the Drive-Start Control is not activated.

■ Overheating

The following severe driving situations can cause overheating.

- Driving up a long uphill on a hot day
- Sudden deceleration or stop immediately after high-speed driving

■ Breaking in your new Toyota

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

- For the first 300 km (186 miles):
 - Avoid sudden stops.
- For the first 1000 km (621 miles):
 - Do not drive at extremely high speeds.
 - Avoid sudden acceleration.
 - Do not drive continuously in low gears.
 - Do not drive at a constant speed for extended periods.

■ Eco-friendly driving

→ P. 96, 112

■ Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→ P. 587)

WARNING

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

■ When starting to move the vehicle (continuously variable transmission vehicles or hybrid transmission vehicles)

Always depress the brake pedal while stopped with the engine running <the "READY" indicator illuminated> (excluding while stopped by the brake hold). This prevents the vehicle from creeping.

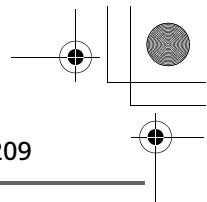
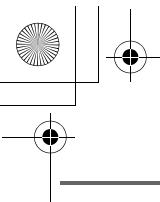
■ When driving the vehicle

- 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 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.
- Hybrid transmission vehicles: The driver should pay extra attention to pedestrians when the vehicle is powered only by the electric motor (traction motor). As there is no engine noise, the pedestrians may misjudge the vehicle's movement.
- Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust pipes and exhaust gases can be extremely hot, and may cause a fire if there is any flammable material nearby.
- During normal driving, do not turn off the engine <hybrid system>. Turning the engine <hybrid system> off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so.
However, in the event of an emergency, such as if it becomes impossible to stop the vehicle in the normal way: → P. 509

 **WARNING**

- Continuously variable transmission vehicles or manual transmission vehicles:
Use engine braking (downshift) to maintain a safe speed when driving down a steep hill.
Using the brakes continuously may cause the brakes to overheat and lose effectiveness. (→ P. 231, 237)

Hybrid transmission vehicles: Use engine braking (shift position B) 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. 239)
- Depending on the road surface and speed, shift down as follows and also use engine braking.
 - Set the shift lever to S (continuously variable transmission vehicles)
 - Set Manual Mode (→ P. 233) and downshift by 1 gear at a time (continuously variable transmission vehicles)
 - Lower the gear by 1 level (manual transmission vehicles)
 - Set the shift position to B (hybrid transmission vehicles)
- Avoid sudden engine braking (shift lever operation). The tires may lock and slip, causing an accident.
- Do not adjust the positions of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
Doing so could cause the driver to mishandle the vehicle.
- Always check that all occupants' arms, heads or other parts of their bodies are not outside the vehicle.
- Do not drive off-road.
If you must drive off-road, drive carefully.
- Do not drive underwater such as crossing a river.
It may cause a serious vehicle failure such as short-circuiting of electrical components or damage to the engine <hybrid system>.
- Do not drive with luggage on or near the seats.
If the vehicle brakes or turns suddenly, the luggage may be thrown out and hit occupants, the luggage may be damaged, or the driver may be distracted by the luggage, which may lead to an unforeseen accident.
- Drive carefully where there are large steps or where there are wheel chocks.
The bumper may be damaged.
- Manual transmission vehicles: Do not release the clutch pedal all the way at once. Doing so could move the vehicle forward and may lead to an unforeseen accident. (→ P. 237)



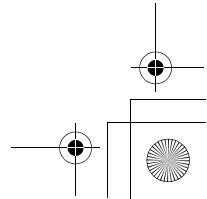
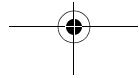
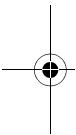
⚠ WARNING

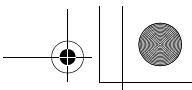
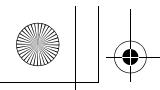
■ When driving on slippery road surfaces

- Sudden braking, acceleration or 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, lightly depress the brake pedal to make sure that the brakes are functioning properly. Wet brake pads may prevent the brakes from functioning properly. If the brakes on only one side are wet and not functioning properly, steering control may be affected.

■ When operating the shift lever

- For the continuously variable transmission vehicles or hybrid transmission vehicles, never let the vehicle roll backward while the shift lever is in a driving position, or roll forward while the shift lever is in R. Doing so may cause the engine to stall (gasoline vehicles) or the hybrid system to fail (hybrid electric vehicles) or lead to poor brake and steering performance, resulting in an unforeseen accident or damage to the vehicle.
- On vehicles with continuously variable transmission or hybrid transmission do not shift the shift lever to P while the vehicle is moving. Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to R while the vehicle is moving forward. Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to a driving position while the vehicle is moving backward. Doing so can damage the transmission and may result in a loss of vehicle control.
- Moving the shift lever to N while the vehicle is moving will disengage the engine <hybrid system> from the transmission. Engine braking is not available when N is selected.
- Be careful not to set the shift lever with the accelerator pedal depressed. Setting the shift lever to a gear other than P (continuously variable transmission vehicles or hybrid transmission vehicles) or N is dangerous, as it could lead to unexpected rapid acceleration of the vehicle that may cause an unforeseen accident.





⚠ WARNING

■ If you hear a continuous squealing noise from around the brakes

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

Damage to the disc rotor may result if the pads are not replaced when needed.

Parts such as pads and rotors wear out as they are used. Riding beyond the limits of wear will not only cause malfunctions, but may also lead to an accident.

■ When stopping the vehicle

- Do not depress the accelerator pedal unnecessarily.

Setting the shift lever to a gear other than P (continuously variable transmission vehicles or hybrid transmission vehicles) or N is dangerous, as it could lead to unexpected rapid acceleration of the vehicle that may cause an unforeseen accident.

- Continuously variable transmission vehicles: In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while the engine is running, and apply the parking brake as necessary.

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

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

- Avoid revving or racing the engine.

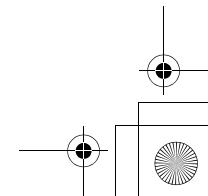
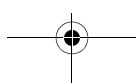
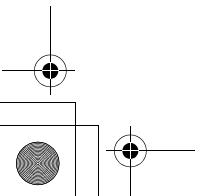
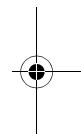
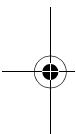
Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

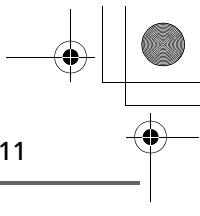
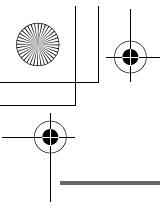
■ When parking the vehicle

- Do not leave glasses, cigarette lighters, aerosol cans, or carbonated beverage cans in the vehicle under the scorching sun.

Doing so may result in the following:

- Gas may leak from a cigarette lighter or aerosol can, and may lead to a fire
- The glasses with plastic lenses and plastic material may deform or crack
- Carbonated beverage cans may fracture, causing the contents to spill over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components





⚠ WARNING

- Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a storage compartment 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 fragrance 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.
- For continuously variable transmission vehicles or hybrid transmission vehicles, always apply the parking brake, set the shift lever to P, stop the engine <hybrid system>, and lock the vehicle when leaving the vehicle unattended. Do not leave the vehicle unattended while the engine is running <hybrid system is operating>. If the vehicle is parked with the shift lever in P but the parking brake is not set, the vehicle may start to move, possibly leading to an accident.
- Do not touch the exhaust pipes while the engine is running <"READY" indicator is illuminated> or immediately after turning the engine <hybrid system> off. Doing so may cause burns.

■ When taking a nap in the vehicle

Always turn the engine <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 engine <hybrid system> overheating. Additionally, if the vehicle is parked in a poorly ventilated area, exhaust gases may enter the vehicle, leading to death or a serious health hazard.

■ When braking

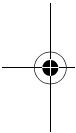
- When the brakes are wet, drive more cautiously.

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 brake booster device <electronically controlled brake system> does not operate, do not follow other vehicles closely and avoid hills or sharp turns that require braking.

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

Have your brakes fixed immediately.



■ When taking a nap in the vehicle

Always turn the engine <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 engine <hybrid system> overheating. Additionally, if the vehicle is parked in a poorly ventilated area, exhaust gases may enter the vehicle, leading to death or a serious health hazard.

■ When braking

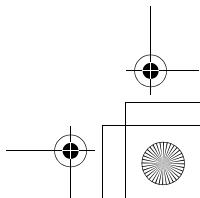
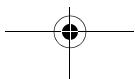
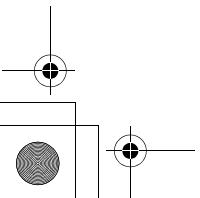
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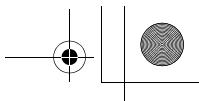
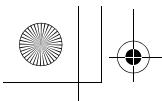
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In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase.

Have your brakes fixed immediately.



**⚠ WARNING**

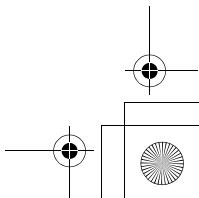
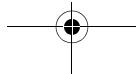
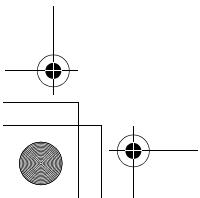
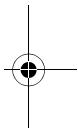
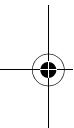
- Continuously variable transmission vehicles or manual transmission vehicles:
Do not pump the brake pedal if the engine stalls.
Each push on the brake pedal uses up the reserve for the power-assisted brakes.
- Continuously variable transmission vehicles or manual transmission vehicles:
The brake system consists of 2 individual hydraulic systems; if one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase.
Have your brakes fixed immediately.
- Hybrid transmission vehicles: The brake system consists of 2 or more individual hydraulic systems; if one of the systems fails, the other(s) will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase. Have your brakes fixed immediately.

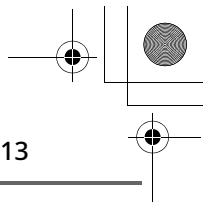
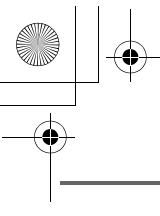
■ If you get a flat tire while driving

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 is dangerous to apply the brakes suddenly, as it may be difficult to control your vehicle, which may lead to an accident.

- It is difficult to control your vehicle
- The vehicle is making abnormal sounds or vibrations
- The vehicle leans abnormally

For information on what to do in case of a flat tire, see P. 549.





NOTICE

■ Driving (continuously variable transmission vehicles or hybrid transmission vehicles)

- Do not depress the accelerator and brake pedals at the same time during driving.
Depressing the accelerator and brake pedals at the same time may restrain the engine <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.

■ Driving (manual transmission vehicles)

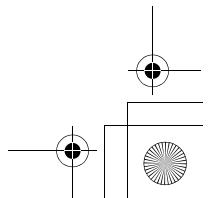
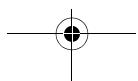
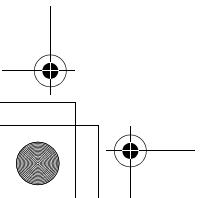
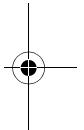
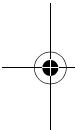
- Do not depress the accelerator and brake pedals at the same time during driving. Depressing the accelerator and brake pedals at the same time may restrain the engine output.
- Do not move the shift lever without stepping on the clutch pedal all the way. Doing so could damage the clutch or transmission.
- To prevent the clutch from being damaged, observe the following precautions.
 - Do not drive with your foot placed on the clutch pedal
 - Avoid starting to move the vehicle when the shift lever is set to other than the gear 1
 - Do not ride the clutch more than necessary especially when starting to move the vehicle on a hill
- Do not set the shift lever to R while the vehicle is still moving. Doing so could damage the clutch, transmission, or the gear.

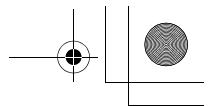
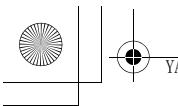
■ Parking (continuously variable transmission vehicles or hybrid transmission vehicles)

Always apply the parking brake, and set the shift lever to P. If the parking brake is not applied and the shift lever is not set to P, it 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 electric power steering motor.
- When driving over bumps in the road, drive as slowly as possible to avoid damaging the disc wheels, etc.





NOTICE

■ If you feel the clutch is slipping (manual transmission vehicles)

Have the vehicle inspected at your Toyota dealer as soon as possible. If your vehicle does not accelerate by stepping on the accelerator pedal even when the clutch is engaged, the clutch may be slipping and the vehicle may no longer be able to run.

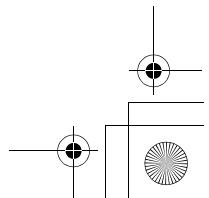
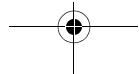
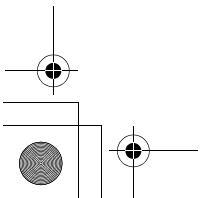
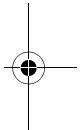
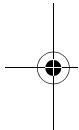
■ When encountering flooded roads

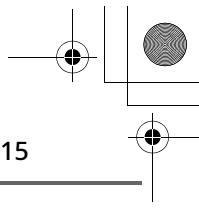
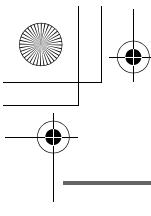
Do not drive on a road that has flooded after heavy rain, etc. Doing so may cause the following serious damage to the vehicle:

- 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 oils and fluids such as engine oil, transaxle oil, and differential oil
- Poor lubrication of the bearings and joints, etc.





Precautions when loading luggage

For safe and comfortable driving, observe the following when loading luggage.

! WARNING

■ Things that must not be carried in the luggage compartment

The following things may cause a fire if loaded in the luggage compartment:

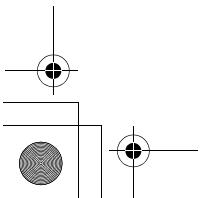
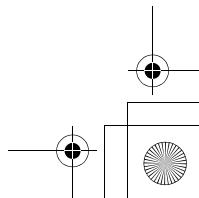
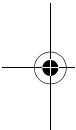
- Receptacles containing gasoline
- Aerosol cans

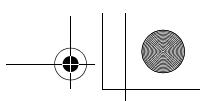
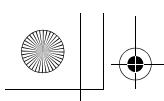
■ When loading luggage

Observe the following precautions.

Failure to do so is dangerous. It may prevent the clutch pedal (manual transmission vehicles) and the brake pedal and accelerator pedal from being operated properly, and the load could block the driver's vision, hit the driver or passengers, possibly leading to an unforeseen accident.

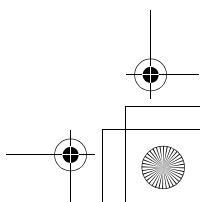
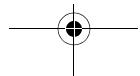
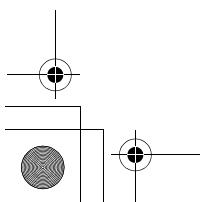
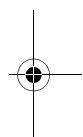
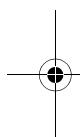
- Try storing cargo or luggage in the luggage compartment as much as possible.
- Do not place cargo or luggage in or on the following locations:
 - In the legroom of the driver's seat
 - On the front passenger or rear seats (when stacking items)
 - On the instrument panel
 - On the dashboard
 - Small containers/trays without lids
- Secure all items in the compartment.
- Do not stack anything in the luggage compartment higher than the seatbacks.
In the event of a sudden braking or an accident, the luggage may be thrown out and cause injury to the driver or passengers.
- When loading long-size luggage by folding the rear seatbacks, avoid placing the luggage directly behind the seatbacks of the front seats as much as possible.
- Do not let anyone sit in the luggage compartment. It is not designed for occupants. They should ride in their seats with their seat belts properly fastened.
Failure to do so may result in death or serious injury in the event of sudden braking or a collision.
- For vehicles equipped with roof rails, do not place luggage directly on the roof rails. Doing so could cause the load to shift and may lead to an unforeseen accident.

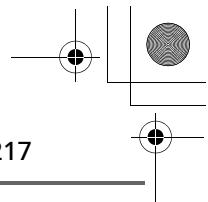
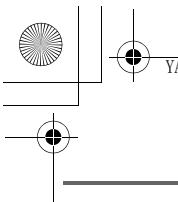


**⚠ WARNING****■ Load and distribution**

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

Improper loading not only puts a strain on the tires, but may cause deterioration of steering or braking control leading to an unforeseen accident, which may cause death or serious injury.

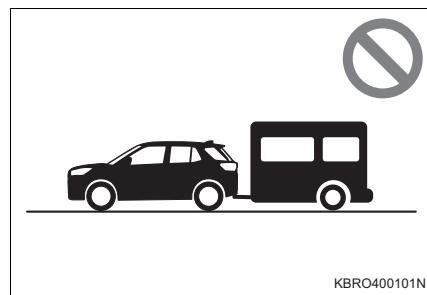




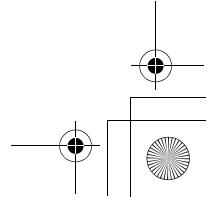
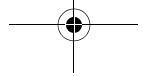
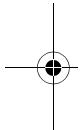
Trailer towing

Toyota does not recommend towing a trailer with your vehicle.

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



4
Driving

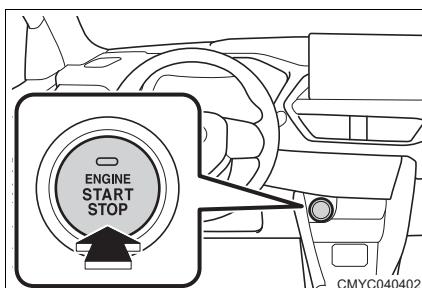
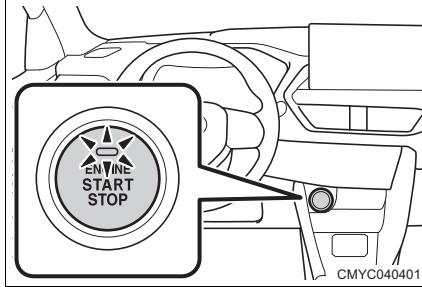


Engine (ignition) switch (gasoline vehicles)

You can start the engine or change the engine switch mode by performing the following operations when you have the electronic key with you.

Procedure to start the engine

- 1 Adjust the position of the seat to give the correct driving posture (→ P. 30), and check the position of each pedal
- 2 Check that the parking brake is applied
- 3 Continuously variable transmission vehicles: Check that the shift lever is set in P
Manual transmission vehicles: Check that the shift lever is set in N
- 4 Continuously variable transmission vehicles: Firmly depress the brake pedal
Manual transmission vehicles:
Firmly depress the clutch pedal and the brake pedal
The indicator of the engine switch lights up in green.
Without the light being lit in green, the engine will not start.
- 5 Firmly and briefly push the engine switch
If you push it firmly and briefly, you do not need to press and hold.
The starter rotates for up to 30 seconds until the engine starts.
Continuously variable transmission vehicles: Keep depressing the brake pedal until the engine has started running.
Manual transmission vehicles: Keep depressing the clutch pedal and brake pedal until the engine has started running.
The engine can start in any mode (→ P. 219) of the engine switch.



Stopping the engine

- 1** Stop the vehicle completely
- 2** Continuously variable transmission vehicles: Apply the parking brake (→ P. 243) and set the shift lever in P
Manual transmission vehicles: Apply the parking brake (→ P. 243) and set the shift lever in N
For the continuously variable transmission vehicles, do not press the shift lever button after setting the shift lever in P.
- 3** Press the engine switch
- 4** Release your foot from the brake pedal, and make sure that the engine switch indicator light is off

Changing the engine switch mode

You can switch the modes by pushing the engine switch without stepping on the brake pedal (continuously variable transmission vehicles) or the clutch pedal (manual transmission vehicles). (Each time the switch is pressed, the mode changes)

"OFF"*

The emergency flashers can be used.

"ACC"

You can use electrical components, such as power outlets.

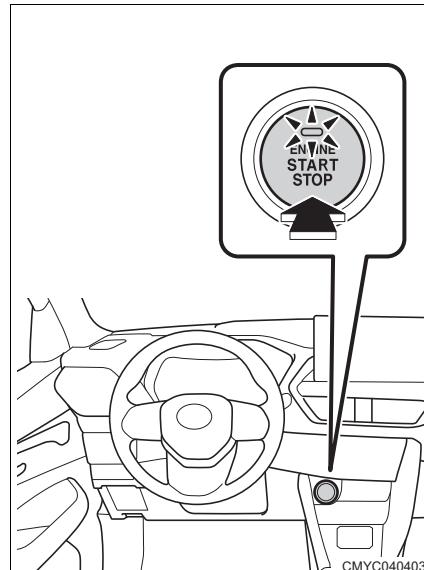
The indicator of the engine switch will flash in green at a slow pace.

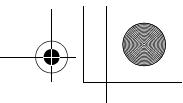
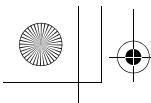
"ON"

All electrical components can be used.

The indicator of the engine switch will flash in green at a slow pace.

* When the shift lever is set to other than the P position or the shift lever button is pressed, it becomes "ACC", but will not be switched to "OFF". (Continuously variable transmission vehicles)





Stopping the engine with the shift lever placed in other than P (continuously variable transmission vehicles)

When the engine was stopped with the shift lever placed in other than P or the shift lever button pressed, the engine stops, but the engine switch mode will not turn "OFF". Use the following procedures to turn off the engine.

[1] Check that the parking brake is applied

[2] Set the shift lever to P

Do not press the shift lever button after setting the shift lever in P.

[3] After you verify that the engine switch indicator is slowly flashing in green, press the engine switch twice

[4] Make sure that the engine switch indicator light is off

■ Auto power-off function

► Continuously variable transmission vehicles

If you leave the engine switch "ON" (the engine is not running) for 20 minutes or longer or leave it as "ACC" for 1 hour or longer with the shift lever placed in P and the shift lever button not pressed, the engine switch automatically turns "OFF".

Note that the auto power-off function is not designed to prevent the battery from dying all the time. When the engine is not running, do not leave the engine switch to "ACC" or "ON" for a long time.

► Manual transmission vehicles

If you leave the engine switch "ON" (the engine is not running) for 20 minutes or longer, or if you leave it as "ACC" for 1 hour or longer, the engine switch automatically turns "OFF".

Note that the auto power-off function is not designed to prevent the battery from dying all the time. When the engine is not running, do not leave the engine switch to "ACC" or "ON" for a long time.

■ Low battery of the electronic key

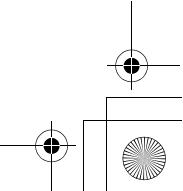
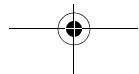
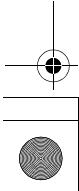
→ P. 150

■ Situations where the key-free system may not work properly

→ P. 147

■ Important information

→ P. 148



■ When the engine will not start

The immobilizer system may not have been deactivated. (→ P. 80)

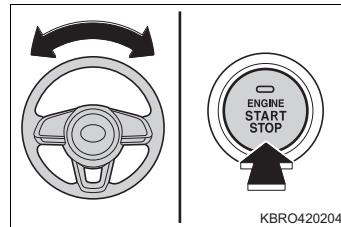
Contact your Toyota dealer.

■ Steering wheel lock*

- Opening or closing one of the doors (except for opening the back door) after turning the engine switch "OFF" will lock the steering wheel. Operating the engine switch will automatically unlock the steering wheel.
- If the vehicle's battery is dead, the steering wheel lock will not be activated.

■ When unable to unlock the steering wheel*

The indicator of the engine switch will continue to flash in green at a fast pace.



Try operating the engine switch while rotating the steering wheel in a clockwise and counterclockwise direction.

■ Overheat protection of the steering wheel lock motor*

If you repeat the engine start and stop operation in a short period, the operation may be restricted to prevent the motor from being overheated. If that happens, stop the operation. The system will return to normal in about 10 seconds.

■ The indicator of the engine switch lights up or flashes in yellow

It may indicate a malfunction in the systems. Have the vehicle inspected at your Toyota dealer immediately.

■ When the electronic key runs out of battery

→ P. 498

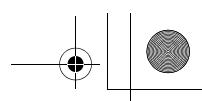
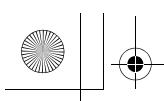
■ Engine switch operation

- If the switch was not pushed firmly or the switch was pushed quickly several times, the mode may not switch or the engine may not start.
- If you start the engine again right after turning "OFF" the engine switch, the engine may not start. If you want to start the engine again after turning "OFF" the engine switch, wait for a few seconds.

■ When the key-free system was deactivated by customization

→ P. 561

*: If equipped



⚠ WARNING

■ When starting the engine

Always start the engine while sitting in the driver's seat. Do not depress the accelerator pedal while starting the engine under any circumstances.

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

■ Caution while driving

If the vehicle starts sliding when the engine stops, do not open, lock or unlock the doors until the vehicle stops safely. Doing so may activate the steering wheel lock and lead to an unforeseen accident, resulting in serious injury or death.

■ Stopping the engine in an emergency

If you want to stop the engine in an emergency while driving the vehicle, press and hold the engine switch for more than 3 seconds, or press it briefly 3 times or more in succession. (→ P. 509)

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

⚠ NOTICE

■ To prevent battery discharge

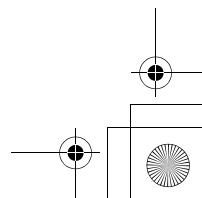
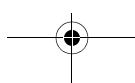
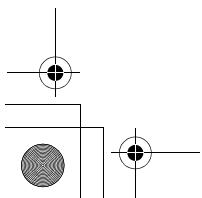
- Do not leave the engine switch "ACC" or "ON" for long periods of time without the engine running.
- When the engine switch indicator is not turned off, the engine switch is not "OFF". Before you leave the vehicle, turn "OFF" the engine switch.
- For the continuously variable transmission vehicles, do not stop the engine with the shift lever placed in other than P or the shift lever button pressed. When you stop the engine with the shift lever placed in other than P or the shift lever button pressed and leave it as is, it could cause the battery to die since the engine switch will be set to "ACC".

■ When starting the engine

- Do not race a cold engine.
- If you have trouble starting the engine or experience frequent stalling, have the vehicle inspected at your Toyota dealer immediately.

■ Engine switch operation

If you experience unusual symptoms such as the switch being stuck when pushing the engine switch, the switch may be broken. Contact your Toyota dealer immediately.



Power (ignition) switch (hybrid electric vehicles)

You can start the hybrid system or change the power switch mode by performing the following operations when you have the electronic key with you.

Starting the hybrid system

1 Adjust the position of the seat to give the correct driving posture (→ P. 30), and check the position of each pedal

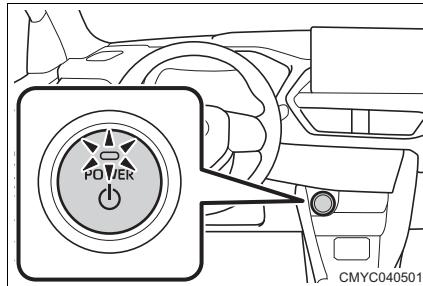
2 Check that the parking brake is applied

3 Check that the shift lever is set in P

4 Firmly depress the brake pedal

The indicator of the power switch turns on in green.

Without the light being illuminated in green, the hybrid system will not start.



4

Driving

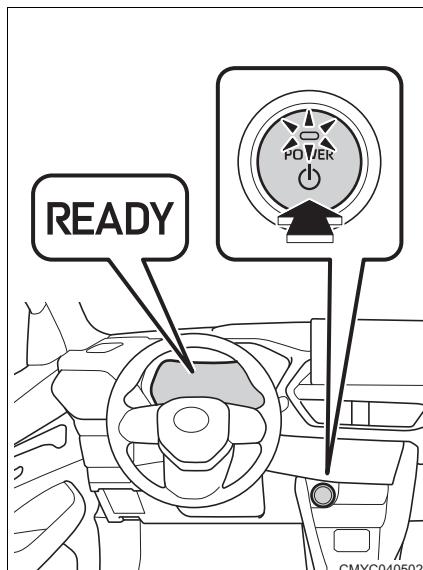
5 Firmly and briefly push the power switch

If you push it firmly and briefly, you do not need to press and hold.

When the "READY" indicator turns on, the hybrid system has started successfully.

Keep depressing the brake pedal until the "READY" indicator turns on.

The hybrid system can start in any mode (→ P. 224) of the power switch.



6 Check that the "READY" indicator turns on

The vehicle cannot be driven with the "READY" indicator turned off.

Stopping the hybrid system

- 1** Stop the vehicle completely
- 2** Apply the parking brake (→ P. 243) and set the shift lever in P
Do not press the shift lever button after setting the shift lever in P.
- 3** Press the power switch
The hybrid system stops, and the "READY" indicator turns off.
- 4** Release your foot from the brake pedal, and make sure that the power switch indicator light is off

Changing the power switch mode

You can switch the modes by pushing the power switch without stepping on the brake pedal. (Each time the switch is pressed, the mode changes)

"OFF"*

The emergency flashers can be used.

"ACC"

You can use electrical components, such as a power outlet.

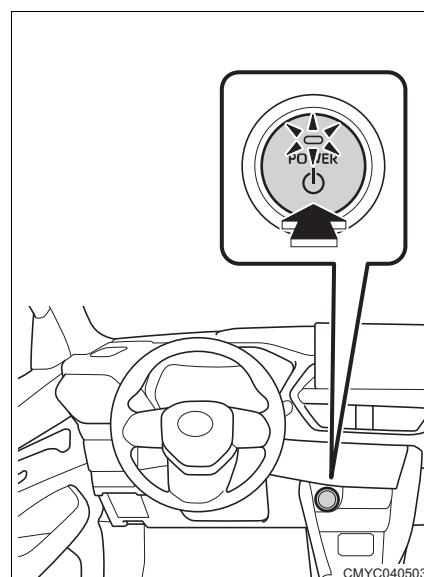
The indicator of the power switch will flash in green at a slow pace.

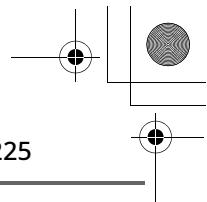
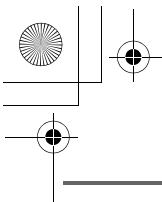
"ON"

All electrical components can be used.

The indicator of the power switch will flash in green at a slow pace.

* When the shift lever is set to other than the P position or the shift lever button is pressed, it becomes "ACC", but will not be switched to "OFF".





Stopping the hybrid system with the shift lever placed in other than P

When the hybrid system was stopped with the shift lever placed in other than P or the shift lever button pressed, the hybrid system stops, but the power switch mode will not turn "OFF". Use the following procedures to turn off the hybrid system.

[1] Check that the parking brake is applied

[2] Set the shift lever to P

Do not press the shift lever button after setting the shift lever in P.

[3] After you verify that the power switch indicator is slowly flashing in green, press the power switch twice

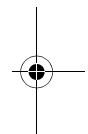
[4] Make sure that the power switch indicator light is off

■ Auto power-off function

If you leave the power switch "ON" (the hybrid system is not operating) for 20 minutes or longer or leave it as "ACC" for 1 hour or longer with the shift lever placed in P and the shift lever button not pressed, the power switch automatically turns "OFF".

4

Driving



When the 12-volt battery level becomes low with the shift lever placed in P and the power switch ON (the hybrid system is not started), the buzzer sounds and the message appears on the TFT color multi-information display. If you keep that state, the power switch automatically turns OFF.

Note that the auto power-off function is not designed to prevent the 12-volt battery from dying all the time. When the hybrid system is not operating, do not leave the power switch "ACC" or "ON" for a long time.

■ Low battery of the electronic key

→ P. 150

■ Situations where the key-free system may not work properly

→ P. 147

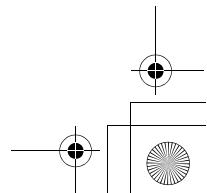
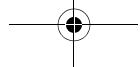
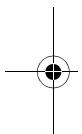
■ Important information

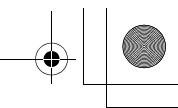
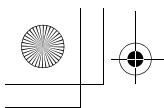
→ P. 148

■ When the hybrid system will not start

The immobilizer system may not have been deactivated. (→ P. 80)

Contact your Toyota dealer.



**■ When the ambient temperature is low, such as during winter driving conditions**

- When starting the hybrid system, the flashing time of the "READY" indicator may be long. Leave the vehicle as it is until the "READY" indicator is steady on, as steady means the vehicle is able to move.
- When the hybrid battery (traction battery) is extremely cold (below approximately -30°C [-22°F]) under the influence of the outside temperature, it may not be possible to start the hybrid system. In this case, try to start the hybrid system again after the temperature of the hybrid battery increases due to the outside temperature increase, etc.

■ Sound and vibration specific to hybrid electric vehicles

→ P. 72

■ If the 12-volt battery is discharged

The hybrid system cannot be started by the key-free system. To start the hybrid system, refer to P. 563.

■ In case the "READY" indicator does not turn on

If the "READY" indicator does not turn on even when you perform the starting operation in the correct procedure, contact your Toyota dealer immediately.

■ If there is a malfunction in the hybrid system

→ P. 542

■ The indicator of the power switch turns on or flashes in yellow

It may indicate a malfunction in the systems. Have the vehicle inspected at your Toyota dealer immediately.

■ When the electronic key runs out of battery

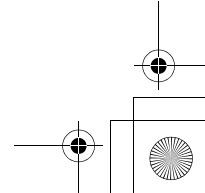
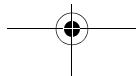
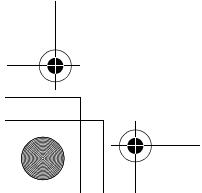
→ P. 498

■ Power switch operation

- If the switch was not pushed firmly or briefly or the switch was pushed quickly several times, the mode may not switch or the hybrid system may not start.
- Depending on the vehicle state, the gasoline engine may start before the "READY" indicator turns on after the power switch is pushed.
- If you start the hybrid system again right after turning "OFF" the power switch, the hybrid system may not start. If you want to start the hybrid system again after turning "OFF" the power switch, wait for a few seconds.

■ When the key-free system was deactivated by customization

→ P. 561



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 unforeseen accident resulting in death or serious injury.

■ Caution while driving

If the vehicle starts sliding when the hybrid system stops, do not open, lock or unlock the doors until the vehicle stops safely.

■ How to stop the hybrid system in an emergency

To stop the hybrid system in an emergency while driving, press and hold the power switch for 2 seconds or longer, or press the power switch quickly for 3 consecutive times or more. The hybrid system stops with the power switch kept "ON". (→ P. 509)

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

4

Driving

NOTICE

■ To prevent 12-volt battery discharge

- Do not leave the power switch "ACC" or "ON" for long periods of time while the hybrid system is stopped.
- When the power switch indicator is not turned off, the power switch is not "OFF". Before you leave the vehicle, turn "OFF" the power switch.
- Do not stop the hybrid system with the shift lever placed in other than P or the shift lever button pressed. When you stop the hybrid system with the shift lever placed in other than P or the shift lever button pressed and leave it as is, it could cause the 12-volt battery to die since the power switch will be set to "ACC".

■ When starting the hybrid system

If you have trouble starting the hybrid system, have your vehicle inspected by your Toyota dealer immediately.

■ Power switch operation

If you experience unusual symptoms such as the switch being stuck when pushing the power switch, the switch may be broken. Contact your Toyota dealer immediately.

EV drive mode (hybrid electric vehicles)

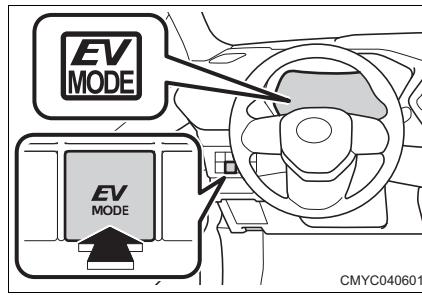
In EV drive mode, electric power is supplied by the hybrid battery (traction battery), and only the electric motor (traction motor) is used to drive the vehicle.

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

Operating instructions

Turns EV drive mode on/off

When EV drive mode is turned on, the EV drive mode indicator will come on. Pressing the switch when in EV drive mode will return the vehicle to normal driving (using the gasoline engine and electric motor [traction motor]).



■Situations in which EV drive mode cannot be turned on

It may not be possible to turn EV drive mode on in the following situations. If it cannot be turned on, a buzzer will sound and a message will be shown on the TFT color 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. 134)
- 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 start automatically and the vehicle may be driven by the gasoline engine and electric motor (traction motor) in the following situations. When EV drive mode is canceled, a buzzer will sound, the EV drive mode indicator will flash, and a message will be displayed on the TFT color multi-information display.

- The hybrid battery (traction battery) becomes low.

The remaining battery level indicated in the energy monitor display is low.
(→ P. 134)

- Vehicle speed is high.

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

4

Driving

■ Possible driving distance when driving in EV drive mode

EV drive mode's possible driving distance ranges from a few hundred meters to approximately 1 km (0.6 mile). However, depending on vehicle conditions, there are situations when EV drive mode cannot be used.

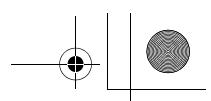
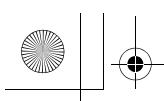
(The distance that is possible depends on the hybrid battery [traction battery] level and driving conditions.)

■ Fuel economy

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

■ If "EV Mode Unavailable" is shown on the TFT color multi-information display

The EV drive mode is not available. The reason the EV drive mode is not available (the vehicle is idling, battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Use the EV drive mode when it becomes available.



■ If "EV Mode Deactivated" is shown on the TFT color multi-information display

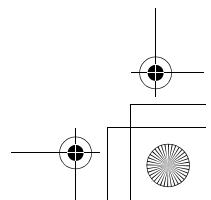
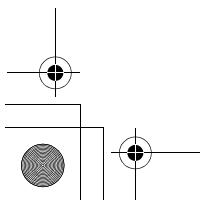
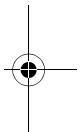
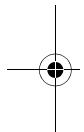
The EV drive mode has been automatically canceled. The reason the EV drive mode is not available (the battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Drive the vehicle for a while before attempting to turn on the EV drive mode again.

 **WARNING**

■ Caution while driving

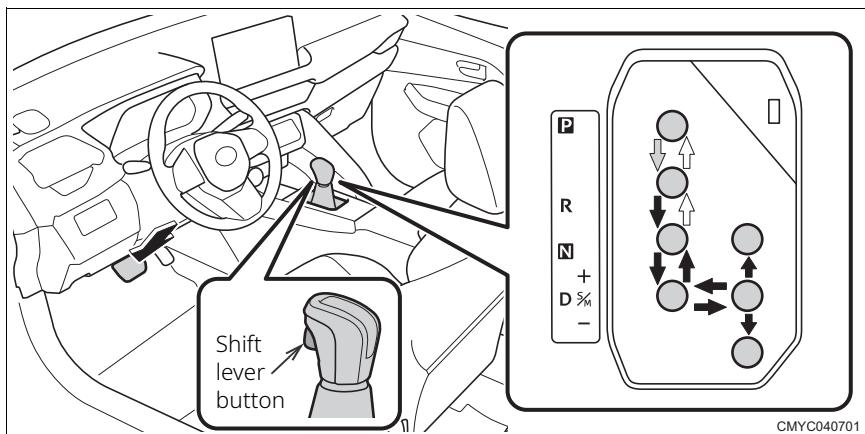
When driving in EV drive mode, pay special attention to the area around the vehicle. Because there is no engine noise, pedestrians, people riding bicycles or other people and vehicles in the area may not be aware of the vehicle starting off or approaching them.

Take extra care while driving even if the acoustic vehicle alerting system is active.



Continuously variable transmission (gasoline vehicles)*

Moving the shift lever



- ◀ : While the engine switch is "ON", operate the shift lever with its button pressed and the brake pedal depressed.
- ◀ : Operate the shift lever with its button pressed.
- ◀ : Operate the shift lever without pressing its button.

4

Driving

Shift position purpose

Shift position	Purpose
P	Parking the vehicle/starting the engine
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*
S	Driving on a slope
M	Manual mode driving (→ P. 233)

* Normally, use the D position to improve fuel efficiency and reduce noise.

*: If equipped

Driving mode selection*

Operate the drive mode switch

When the drive mode switch is pressed, the normal mode changes to the power mode and the power mode indicator lights up.

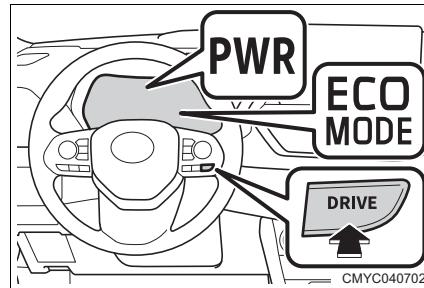
Set the shift lever to D or S to enjoy swift and effortless driving.

Press the switch again to enter the normal mode.

When the drive mode switch is pressed and held, the normal mode changes to the eco mode and the eco mode indicator lights up.

In eco mode, the acceleration is slower compared with the shift lever set to D or S in normal driving. The air conditioning system operates with the fuel consumption reduced.

Press and hold the switch again to enter the normal mode.



*: If equipped

How to use the manual mode

When the shift lever is set to S, moving the shift lever to the "+" side or "-" side, or operating the paddle shift switches* will cause the vehicle to enter the manual mode, allowing the driver to select the desired shift position.

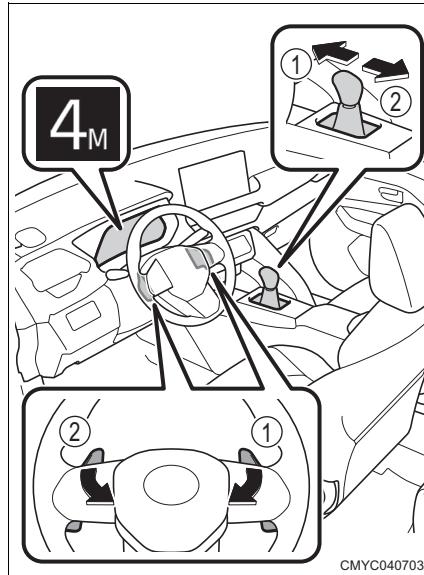
- ① Shift up ("+" side)
- ② Shift down ("-" side)

Each time the shift is moved, the gear position changes by 1 gear level and stays at the selected shift position.

The meter displays the selected shift position between the range of 1 M (1-speed) and 7 M (7-speed).

Set the shift lever in D to enter the normal driving mode.

With the Adaptive Cruise Control* being activated, moving the shift lever from D to S will deactivate the Adaptive Cruise Control.



4
Driving

*: If equipped

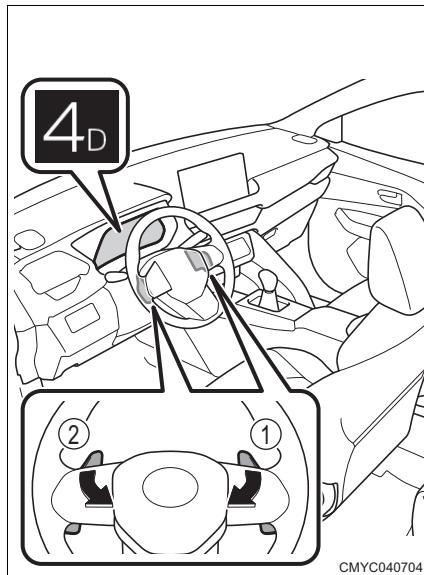
■ Temporary manual mode*

When the shift lever is set to D, moving the paddle shift switches to the "+" side or "-" side will cause the vehicle to enter the manual mode temporarily, allowing the driver to select the desired shift position.

- ① Upshift
- ② Downshift

The meter displays the selected shift position between D1 and D7.

To restore the normal driving mode, keep holding the "+" side of the paddle shift switches for a certain period.



■ Shift lock system

The shift lock system is a system to prevent accidental operation of the shift lever in starting. The shift lever will not move from P unless the brake pedal is depressed while the engine switch is "ON".

■ If the shift lever cannot be shifted from P

Check whether the brake pedal is being depressed.

If the shift lever cannot be shifted while depressing the brake pedal, there may be a problem with the shift lock system. Have the vehicle inspected at your Toyota dealer immediately. The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

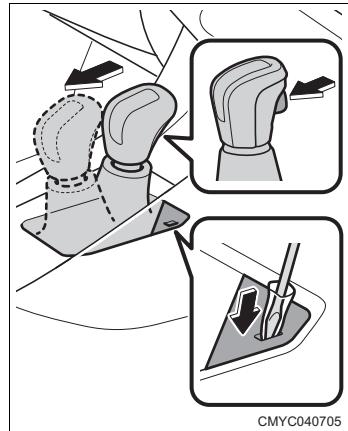
- ① Apply the parking brake
- ② Turn the engine switch to "OFF"
- ③ Depress the brake pedal

*: If equipped

- ④** Press the shift lock release button using a tool such as a flathead screwdriver

The shift lever can be shifted while the button is pressed.

To prevent damage, wrap a cloth around the tip of the flathead screwdriver or the like to protect it.



■ Situations where automatic shifting occurs in the manual mode

- In the manual mode, the gear does not shift unless the driver moves the shift lever or the paddle shift switches*. However, in the following circumstances, the system will automatically shift the gears to ensure safety and maintain driving performance.
 - When the vehicle speed has decreased or increased (The temporary manual mode* may become deactivated)
- When the vehicle stops, the transmission is automatically set to the 1-speed position. (The temporary manual mode* will be deactivated)

■ Continuous gear shifting in the manual mode

- Move the shift lever or paddle shift switches* to the "+" side or "-" side repeatedly. With the shift lever being operated on the "+" side or "-" side, the shift position cannot be changed continuously.

■ Shift limit warning buzzer (in manual mode)

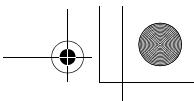
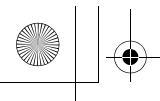
Shifting in the manual mode is limited. The gear cannot be shifted to the desired position in some cases. The warning buzzer will notify the driver of this if it happens.

■ Automatic deactivation of the temporary manual mode*

In any of the following situations, the temporary manual mode will be automatically deactivated.

- When stopping the vehicle
- When continuing to step on the accelerator pedal at the same shift position for a certain period
- When stepping on the accelerator pedal deeply
- When the shift lever is set in other than D

*: If equipped



- When keeping holding the "+" side of the paddle shift switches for a certain period

■ Power mode/eco mode*

- The power mode/eco mode control will not be activated in any of the following situations:
 - When the shift lever is set to R
 - When the Adaptive Cruise Control* (→ P. 320) is activated
- When the drive mode switch is pressed and held while in power mode, or the drive mode switch is pressed while in eco mode, both indicators light up and control will be performed in power mode.
When the drive mode switch is pressed and held, the vehicle enters the power mode, and when the drive mode switch is pressed, the vehicle enters the eco mode.
- Even when you have operated the drive mode switch to set the power mode/eco mode, turning the engine switch "OFF" and turning it "ON" will automatically restore the drive mode to the normal mode.
- When the TFT color multi-information display shows "Transmission System Malfunction", the vehicle will not enter the power mode/eco mode.

■ Reverse warning buzzer

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

⚠ WARNING

■ When driving on slippery road surfaces

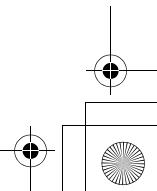
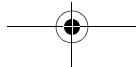
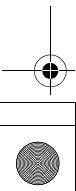
Do not accelerate or shift gears suddenly. Sudden changes in engine braking may cause the vehicle to spin or skid.

■ To prevent an accident when releasing the shift lock

Before pressing the shift lock override button, make sure to set the parking brake and depress the brake pedal.

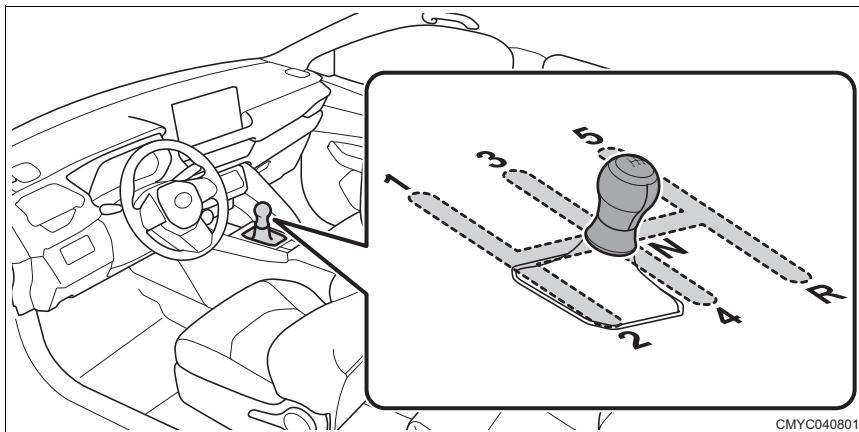
If the accelerator pedal is accidentally depressed instead of the brake pedal when the shift lock override button is pressed and the shift lever is shifted out of P, the vehicle may suddenly start, possibly leading to an accident resulting in death or serious injury.

*: If equipped



Driving the manual transmission vehicle (gasoline vehicles)*

Moving the shift lever



Firmly step on the clutch pedal and operate the shift lever slowly.

To prevent mishandling, the gear cannot be shifted directly from 5-speed to R.

Shift the gear to N and then move it to R.

4

Driving

Speed limit of each shift position

To avoid over-revving of the engine, try not to exceed the value specified for each shift position listed below.

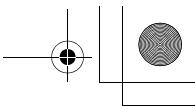
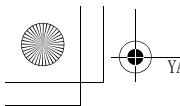
Shift position	Max. speed km/h (mph)
4	155 (96)
3	110 (68)
2	65 (40)
1	35 (21)

WARNING

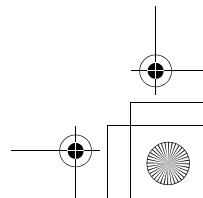
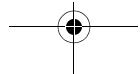
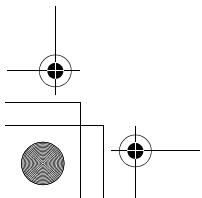
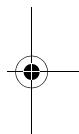
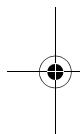
On slippery road surfaces

Be careful since sudden acceleration or changes in engine braking force may cause the vehicle to skid or spin.

*: If equipped

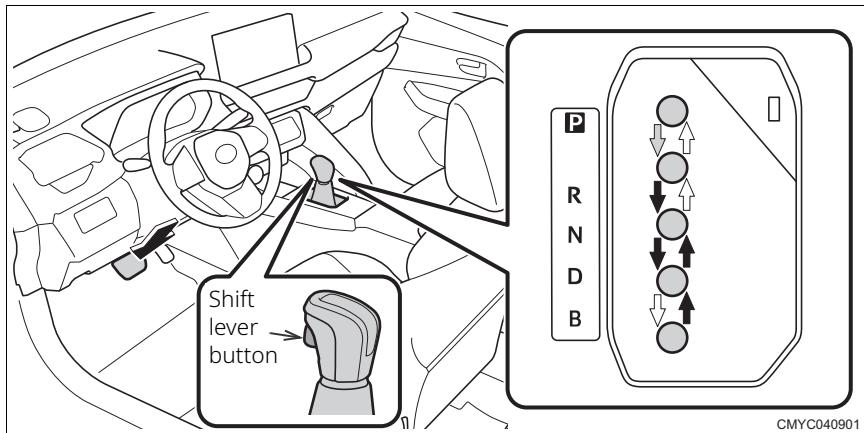
**⚠ NOTICE****■ Speed limit of each shift position**

To prevent the engine from revving up too much, try not to exceed the upper speed limit when you drive. Failure to do so may damage the engine.



Hybrid transmission (hybrid electric vehicles)

Moving the shift lever



CMYC040901

- ➡ : While the power switch is "ON", operate the shift lever with its button pressed and the brake pedal depressed.
- ➡ : Operate the shift lever with its button pressed.
- ➡ : Operate the shift lever without pressing its button.

4

Driving

Shift position purpose

Shift position	Purpose
P	Parking the vehicle/starting the hybrid system
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*
B	Driving on a steep downhill

* Normally, use the D position to improve fuel efficiency and reduce noise.

Driving mode selection

Operate the drive mode switch

When the drive mode switch is pressed, the normal mode changes to the power mode and the power mode indicator lights up.

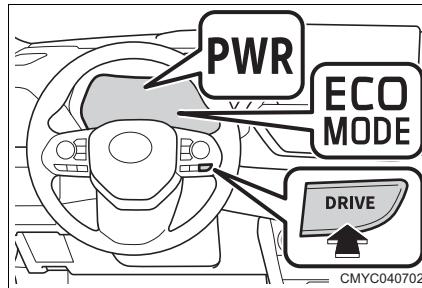
Set the shift lever to D to enjoy swift and effortless driving.

Press the switch again to enter the normal mode.

When the drive mode switch is pressed and held, the normal mode changes to the eco mode and the eco mode indicator lights up.

In eco mode, the acceleration is slower compared with the shift lever set to D in normal driving. The air conditioning system operates with the fuel consumption reduced.

Press and hold the switch again to enter the normal mode.



Shift lock system

The shift lock system is a system to prevent accidental operation of the shift lever in starting. The shift lever will not move from P unless the brake pedal is depressed while the power switch is "ON".

If the shift lever cannot be shifted from P

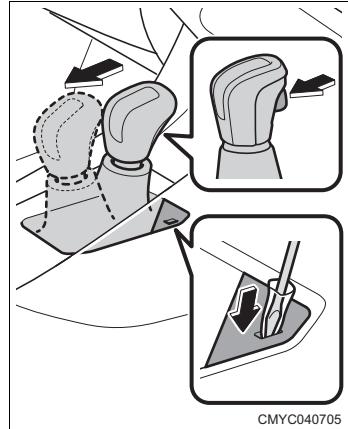
Check whether the brake pedal is being depressed.

If the shift lever cannot be shifted while depressing the brake pedal, there may be a problem with the shift lock system. Have the vehicle inspected at your Toyota dealer immediately. The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

- 1 Apply the parking brake
- 2 Turn the power switch to "OFF"
- 3 Depress the brake pedal

- 4** Press the shift lock release button using a tool such as a flathead screwdriver
 The shift lever can be shifted while the button is pressed.
 To prevent damage, wrap a cloth around the tip of the flathead screwdriver or the like to protect it.



CMYC040705

■ Power mode/eco mode

→ P. 236

■ Reverse warning buzzer

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

4

Driving

WARNING

■ When driving on slippery road surfaces

Do not accelerate or shift gears suddenly. Sudden changes in regenerative braking may cause the vehicle to spin or skid.

■ To prevent an accident when releasing the shift lock

Before pressing the shift lock release button, make sure that you apply the parking brake and depress the brake pedal.

If the accelerator pedal is accidentally depressed, when you operate the shift lever with the shift lock release button pressed, the vehicle may suddenly start, possibly leading to an unforeseen accident and resulting in serious injury or death in the worst case.

NOTICE

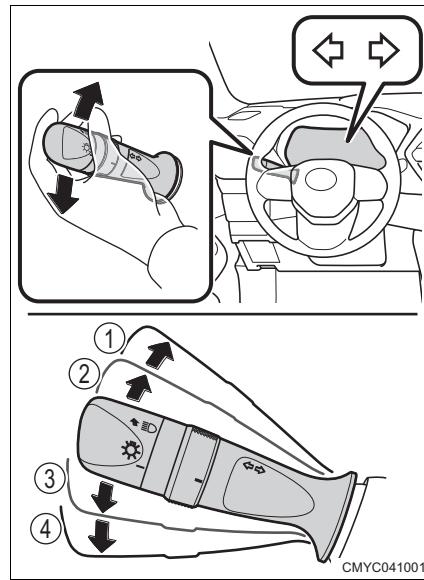
■ Hybrid battery (traction battery) charge

If the shift lever is in N, the hybrid battery (traction battery) will not be charged even when the engine is running. Therefore, if the vehicle is left with the shift lever in N for a long period of time, the hybrid battery (traction battery) will discharge, and this may result in the vehicle not being able to start.

Turn signal lever

Operation instructions

- ① Right turn
- ② Right turn signal will flash continuously while the lever is kept ② position.
Right turn signal will flash three times, when the lever is pushed to ② position and released immediately.
- ③ Left turn signal will flash continuously while the lever is kept ③ position.
Left turn signal will flash three times, when the lever is pushed to ③ position and released immediately.
- ④ Left turn



■ Operating conditions

When the engine switch <power switch> is "ON"

■ If the indicator flashes faster than usual

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

■ Customizations

The turn signal light settings can be changed.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 100, 118)

Electric Parking Brake

The parking brake can be applied and released automatically or manually.

While the automatic mode is activated, the parking brake is applied automatically. Even while the automatic mode is activated, the parking brake can be applied and released manually.

Operation instructions

■ Manual mode

The parking brake can be applied and released by operating the parking brake switch.

- ① Apply the parking brake (pull the switch)

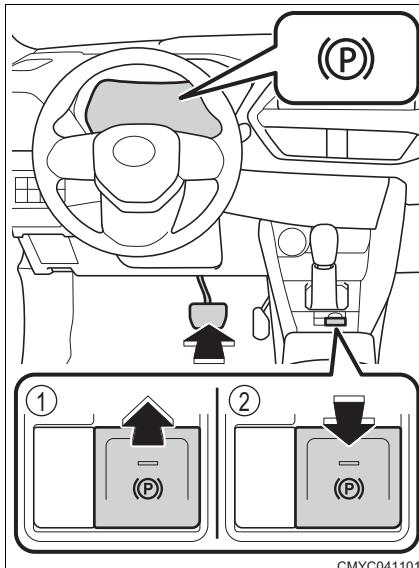
The parking brake indicator and switch-on indicator light up.

If you need to apply the parking brake in an emergency while driving, continue to pull the switch to stop the vehicle.

- ② Release the parking brake (press the switch)

- Operate the switch while firmly depressing the brake pedal.
- The auto release function (→ P. 245) releases the parking brake when the accelerator pedal is depressed slowly in continuously variable transmission vehicles or hybrid transmission vehicles, or when the accelerator pedal is depressed lightly and the clutch pedal is simultaneously released gradually to engage the clutch in manual transmission vehicles.

The parking brake indicator and switch-on indicator light off.



4

Driving

■ Automatic mode

The parking brake can be applied automatically by performing the following operations when the vehicle is stopped.

- When the shift lever is set from a position other than P to P (continuously variable transmission vehicles or hybrid transmission vehicles)

- When the engine switch is turned to "OFF" (manual transmission vehicles)

When the parking brake is applied, the parking brake indicator and switch-on indicator light up.

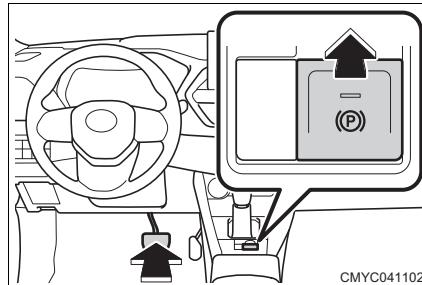
For information on how to release the parking brake, refer to the manual mode (→ P. 243).

► Turn ON the automatic mode

While depressing the brake pedal with the vehicle stopped and the parking brake applied, continue to pull the parking brake switch until the buzzer sounds a high-pitch short beep

The TFT color multi-information display shows "Shift Interlock Function Activated".

For manual transmission vehicles, the automatic EPB OFF indicator turns off.

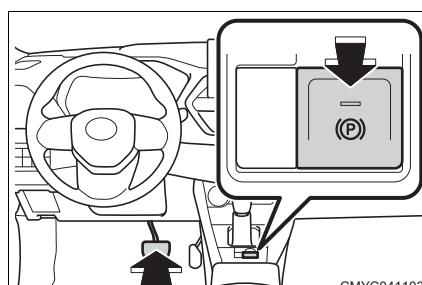


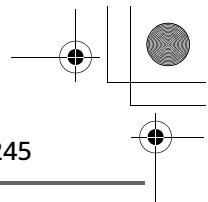
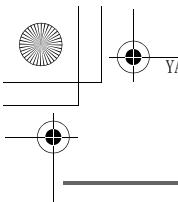
► Turn OFF the automatic mode

While depressing the brake pedal with the vehicle stopped and the parking brake released, continue to push the parking brake switch until the buzzer sounds 2 short high-pitch consecutive beeps

The TFT color multi-information display shows "Shift Interlock Function Deactivated".

For manual transmission vehicles, the automatic EPB OFF indicator turns on.





■ Activation of parking brake

- The parking brake can be applied regardless of the engine switch <power switch> mode.
- When the parking brake is activated (applied or released), the brake pedal may move. This is caused by the operation of the parking brake and is not a malfunction.

■ Release of parking brake

- When the engine switch <power switch> is set to other than "ON", the parking brake cannot be released.
- If the parking brake switch is pressed without depressing the brake pedal, the warning buzzer sounds and the message "Depress Brake Pedal for EPB release" appears on the TFT color multi-information display.

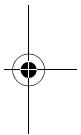
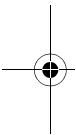
■ Activation of the automatic mode (continuously variable transmission vehicles or hybrid transmission vehicles)

- When the engine switch <power switch> is set to other than "ON", the parking brake cannot be activated by the automatic mode.
- Operate the shift lever while depressing the brake pedal with the vehicle stopped.
- When the shift lever is operated quickly or slowly, the automatic mode may not be activated.

In that case, operate the parking brake manually. (→ P. 243)

4

Driving

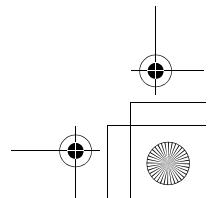
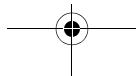
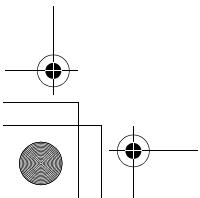


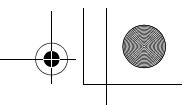
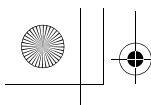
■ Auto release function

When the accelerator pedal is depressed with all the following conditions satisfied, the parking brake is released.

- The driver's door is closed
- The driver's seat belt is fastened
- The shift lever is set in a position other than P and N (continuously variable transmission vehicles or hybrid transmission vehicles)
- The shift lever is set in a position other than N, and the clutch is engaged after depressing the clutch pedal all the way (manual transmission vehicles)
- The malfunction indicator lamp or brake system warning light is turned off

When the parking brake is not released even if the accelerator pedal is depressed, release the parking brake manually.





■ When the parking brake indicator flashes

- When the parking brake indicator flashes, operate the parking brake switch while depressing the brake pedal. If the flashing continues even after several operations, it may indicate a malfunction in the systems. Have the vehicle inspected at your Toyota dealer.
- When the parking brake is activated repeatedly in a short time, the activation of the parking brake may be restricted to prevent system overheating. Stop the operation temporarily. It should return to normal within 1 minute.

■ Activation sound of parking brake

- When the parking brake is activated, a motor sound (whirring sound) may occur, but this does not indicate a malfunction.
- When the parking brake switch remains pulled in an emergency, a sound may occur from around the engine compartment, but this does not indicate a malfunction.
- When the parking brake is operated with the vehicle stopped on a steep slope, an operation sound (parking brake operation) may occur several minutes after the parking brake indicator turns on, but this does not indicate a malfunction.

■ Parking brake indicator

- When the parking brake is applied, the parking brake indicator turns on as follows depending on the engine switch <power switch> mode.
"ON": Turns on until the parking brake is released.
Other than "ON": Turns on for approx. 15 seconds.
- When the engine switch <power switch> is turned "OFF" with the parking brake applied, the parking brake indicator will remain on for approx. 15 seconds, but this does not indicate a malfunction.

■ When the parking brake switch malfunctions

When the parking brake switch malfunctions and the parking brake cannot be released, use the auto release function (→ P. 245) to release it.

■ When parking the vehicle

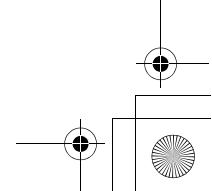
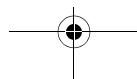
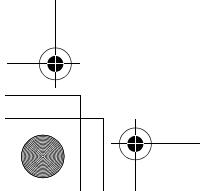
→ P. 203

■ Parking brake non-return warning buzzer

If the vehicle is driven with the parking brake not released, the warning buzzer sounds and the message appears on the TFT color multi-information display. (→ P. 537)

■ When the brake system warning light (yellow) is turned on

→ P. 522



■ Usage of parking brake in winter time

→ P. 388

■ If the vehicle battery <12-volt battery> is discharged

If the vehicle battery <12-volt battery> is dead, the parking brake cannot be activated (applied or released). (→ P. 563)

WARNING**■ When parking the vehicle**

Make sure that the parking brake is applied. Set the shift lever to P (continuously variable transmission vehicles or hybrid transmission vehicles) or N (manual transmission vehicles). Failure to do so may cause the vehicle to move or the vehicle may accelerate suddenly if the accelerator pedal is accidentally depressed. (→ P. 203)

■ Parking brake switch

Do not place anything around the parking brake switch. Doing so may lead to an unintended activation of the parking brake due to interference between the object and the switch.

■ Usage of parking brake during driving

Do not use the parking brake during driving except in the case of an emergency.

■ Important notice before driving

Do not drive the vehicle with the parking brake applied. Doing so will overheat the brake and degrade its performance, leading to an unforeseen accident.

■ When the parking brake is not activated in the event of malfunction or the like

If the Electric Parking Brake is not activated due to a system error, have the vehicle inspected at your Toyota dealer immediately.

Brake hold system

When the vehicle is stopped by depressing the brake pedal, this system holds the brake even if the brake pedal is released.

When the accelerator pedal is depressed while the brake is held, the brake is released.

Starting the system

- 1 Press the switch to turn ON the brake hold system

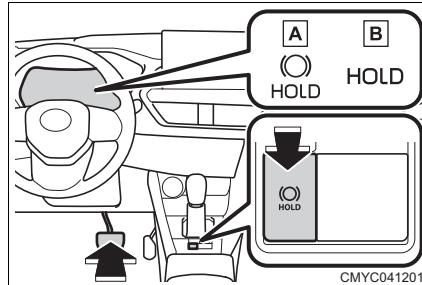
The brake hold system standby indicator **A** turns on.

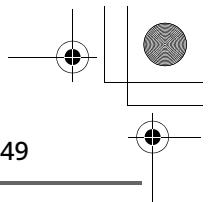
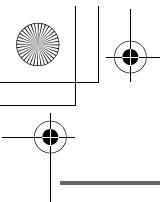
- 2 Stop the vehicle by depressing the brake pedal with the shift lever set to a position other than P (continuously variable transmission vehicles or hybrid transmission vehicles) and R

When the brake pedal is depressed all the way, the brake hold is started. While the brake is held, the brake hold system switch-on indicator **B** turns on.

The brake hold is released in the following cases.

- Activate the Electric Parking Brake
- Set the shift lever to P (continuously variable transmission vehicles or hybrid transmission vehicles)
- With the brake pedal depressed, set the shift lever to R
- When the clutch is engaged after depressing the clutch pedal all the way on a downhill slope (manual transmission vehicles)





■ Operating conditions of the system

When the following conditions are all satisfied, the brake hold system can be turned ON.

- The driver's door is closed
- The driver's seat belt is fastened

When the conditions above are no longer satisfied with the brake hold system ON, the function turns off and the brake hold system standby indicator turns off. When it is detected while the brake is held, the parking brake is applied automatically. At this time, the message appears on the TFT color multi-information display.

■ Brake hold

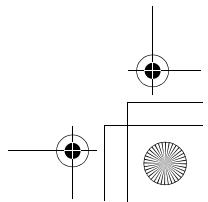
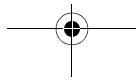
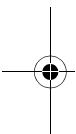
- Before the brake hold ends, the message appears on the display to urge the brake operation. The driver should depress the brake pedal to apply the brake.
- When the brake pedal is not depressed for approx. 3 minutes while the brake is held, the parking brake is applied automatically and the stop lights turn off. At this time, the message appears on the TFT color multi-information display.
- When the parking brake switch is pulled while the brake is held, the parking brake is applied and the brake hold is released.
- When the brake cannot be held on a steep slope, the message appears on the TFT color multi-information display to urge the brake operation. The driver should depress the brake pedal to apply the brake.
For manual transmission vehicles, the brake hold can be released by engaging the clutch on a downhill slope only. Note that it may not be released when the clutch pedal is not depressed all the way to the end before the operation.
- To turn OFF the system while the brake is held, depress the brake pedal all the way and press the switch again.

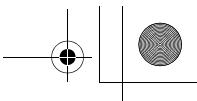
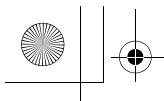
■ When the parking brake is applied automatically while the brake is held

When you start moving the vehicle, release the parking brake by either of the following methods.

- While depressing the brake pedal, operate the parking brake switch
- Close the driver's door and depress the accelerator pedal with the driver's seat belt fastened

After the operation, check that the parking brake indicator turns off. (→ P. 92)



**■ When the inspection is required at your Toyota dealer**

When the brake hold system standby indicator does not turn on even if the operating conditions of the brake hold system are satisfied and the brake hold system switch is pressed, have the vehicle inspected at your Toyota dealer immediately.

■ When the brake hold system switch-on indicator (yellow) flashes

It may indicate a malfunction in the systems. Have the vehicle inspected at your Toyota dealer immediately.

■ Warning messages

When a caution is required for the operation or when a malfunction occurs in the system, a warning message appears on the TFT color multi-information display. Follow the instructions displayed on the screen.

■ When the switch is operated without depressing the brake pedal

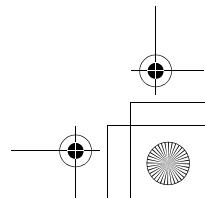
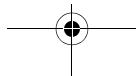
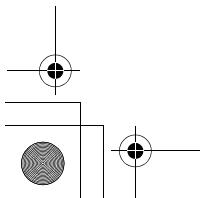
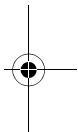
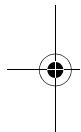
When the switch is operated without depressing the brake pedal with the brake hold system switch-on indicator illuminated, the message appears on the TFT color multi-information display. Operate the switch while depressing the brake pedal.

■ Activation sound of brake hold system

When tire movement is detected while the brake hold system is activated, an operation sound may be heard when the braking force is increased.

■ Brake hold system

- The system is automatically turned off when the engine switch <power switch> is turned off.
- You may feel the brake pedal is heavier when you step on the pedal while the brake is held, but this is normal.
- If the brake pedal is not depressed all the way when stopping the vehicle, the system may not be activated.



WARNING

■ On a steep slope

Do not use the brake hold system on a steep slope. The brake hold system may not be activated or it may not hold the vehicle stopped state even if it is activated, possibly leading to an unforeseen accident.

■ On slippery road surfaces

The vehicle cannot be held exceeding the tire grip limit. Refrain from using on slippery road surfaces.

■ For safe use

- Do not overly rely on the brake hold system. The brake hold system is a function designed to assist the brake operation while the vehicle is stopped. Neglecting the brake operation could move the vehicle forward unintentionally and may lead to an unforeseen accident. Operate the brake appropriately according to the surrounding traffic conditions.
- Keep stepping on the brake pedal until the brake hold system switch-on indicator turns on. Otherwise, the vehicle may not be held in the stopped state and it may start moving.

■ When parking the vehicle

The brake hold system is not a function to park the vehicle for a long time. If the engine switch <power switch> is turned OFF while the brake is held, the held brake may be released and the vehicle may start moving. When operating the engine switch <power switch>, depress the brake pedal, apply the parking brake, and set the shift lever to P (continuously variable transmission or hybrid transmission vehicles) or N (manual transmission vehicles).

■ When the brake hold system does not work effectively

The brake hold may not become activated or the vehicle stopped state may not be held depending on the number of occupants or luggage weight in the vehicle, or if the driver did not step on the brake pedal strong enough when stopping.

Headlight switch

The headlights can be turned on automatically or manually.

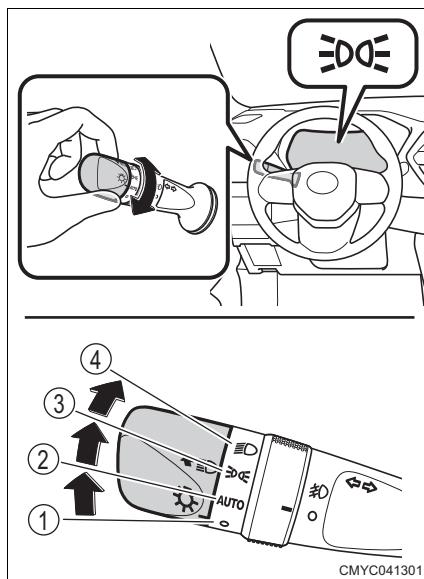
Operation instructions

Moving the  switch will turn the lights on and off, as specified below.

► Type A

- ①  : Turns off*
- ② **AUTO** : Automatically turns on/off the headlights, front position lights, daytime running lights (→ P. 255) and so on (when the engine switch <power switch> is "ON")
- ③  : Turns on the front position lights, tail lights, license plate lights, and instrument panel lights
- ④  : Turns on the lights specified above and the headlights

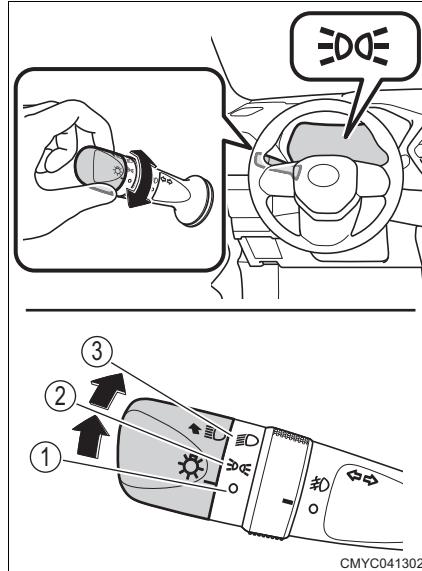
* The daytime running lights turn on (→ P. 255)



► Type B

- ①  : Turns off*
- ②  : Turns on the front position lights, tail lights, license plate lights, and instrument panel lights
- ③  : Turns on the lights specified above and the headlights

* The daytime running lights turn on
(→ P. 255)

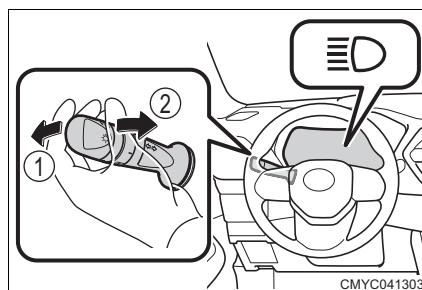


4

Driving

Turn on high beam

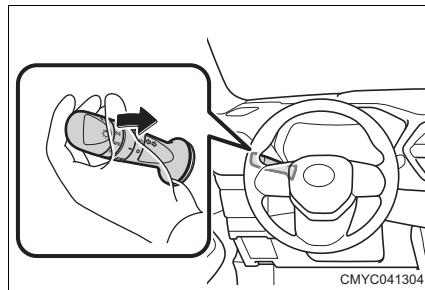
- ① Switch to high beam when the headlights are on
Return the lever to its original position to return to low beam.
- ② High beam is turned on while you pull the lever
Even if the headlights are off, the high beam will turn on. Release the lever to return to low beam or turn off high beam.



Extended headlight lighting*

You can turn on the headlights for approx. 30 seconds with the engine switch <power switch> turned "OFF".

After turning "OFF" the engine switch <power switch>, set the headlight switch to the **O** or **AUTO** position, and pull the lever towards you and release it.



When any of the following operations are performed before approx. 30 seconds have passed, the headlights are turned off.

- When the engine switch <power switch> is set to "ON"^{*1}
- When the headlight switch is operated^{*2}
- When the headlight switch is pulled towards you and released again

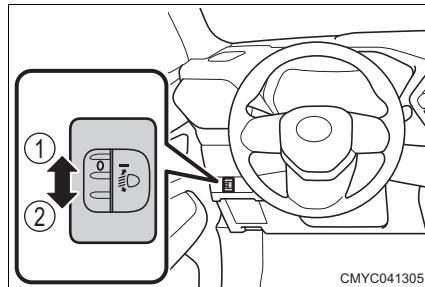
^{*1} When the headlight switch is set to the **AUTO** position, the headlights may remain lit under dark ambient conditions.

^{*2} When the headlight switch is operated to , the headlights will remain lit.

Manual headlight leveling dial*

The headlight's optical axis can be adjusted according to changes in the vehicle position due to the number of occupants and the amount of luggage.

- ① Adjust upward
- ② Adjust downward



*: If equipped

■ Estimated scale setting

Occupants and luggage conditions		Dial position
Occupants	Luggage	
Driver	None	0
Driver and front passenger	None	0
All occupants	None	1
All occupants	Full luggage loading	1
Driver	Full luggage loading	1.5

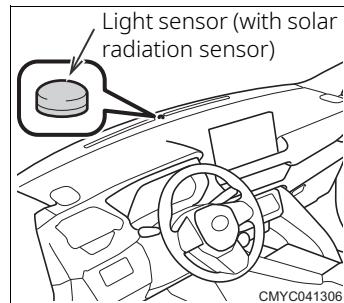
■ Daytime running light system

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever the engine <hybrid system> is started and the parking brake is released with the headlight switch in the **O** or **AUTO** ** position. (Illuminate brighter than the front position lights.) Daytime running lights are not designed for use at night.

* When the front position lights are not turned on

■ Light sensor*

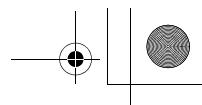
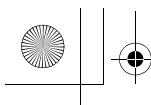
- Observe the following precautions.
Failure to do so may prevent the automatic light on/off function from working normally.
 - Avoid placing any item on the sensor or pasting items that would block the sensor on the windshield
 - Do not spray liquid including glass cleaner



■ Automatic light off system

- While the lights are turned on, changing the engine switch <power switch> from "ON" to "ACC" or "OFF" will automatically turn off the lit lights.
- To turn the lights on again, turn "ON" the engine switch <power switch> or move the headlight switch to the **O** or **AUTO** * position, and then move it to the **SH** or **HI** position.

*: If equipped



■ Automatic light-off warning buzzer

When the headlights and tail lights are turned on with the engine switch <power switch> set to "ACC" or "OFF", opening the driver's door will cause the warning buzzer to sound, letting the driver know that the lights have not been turned off. (Except when illuminated by extended headlight lighting)

- When the buzzer sounds, the warning message also appears on the TFT color multi-information display. (→ P. 540)

■ Power saving function

To prevent the battery <12-volt battery> from discharging, when the engine switch <power switch> is set in "ACC" or "OFF" and the headlights or tail lights are on, the power saving function is activated and all lights are automatically turned off after about 10 minutes.

After light has been automatically turned off, perform any of the following operations to cancel the power saving state and turn the lights back on.

- When the engine switch <power switch> is set to "ON"
- When the headlight switch is operated (However, the lights will turn off again automatically after about 10 minutes)
- When one of the doors is opened or closed (However, the lights will automatically turn off again after about 10 minutes)

■ Leaving home lamp*

When the engine switch <power switch> is "OFF" and the headlight switch is in the **AUTO** position with all the doors locked, unlocking the doors with the wireless function (→ P. 153) will cause the headlights to be lit for approx. 30 seconds.

■ Customizations*

Automatic light off system or other settings can be changed.

(List of customizable features: → P. 588)

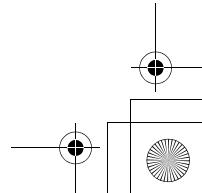
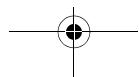
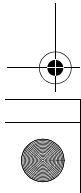
(For some of the features, the settings can be changed from the setup screen of the TFT color multi-information display: → P. 100, 118)

NOTICE

■ To prevent battery <12-volt battery> discharge

Do not leave the lights on for a long time with the engine <hybrid system> stopped. Also, be sure to turn off the lights when you leave the vehicle.

*: If equipped



AHB (Automatic High Beam)*

AHB uses the stereo camera installed on the top of the windshield to judge the brightness of oncoming vehicle or preceding vehicle lights, streetlights, and the like, and switches between the high beam and low beam automatically.

WARNING

■ For safe use

Do not overly rely on AHB. AHB is provided to assist and support the securing of driver's visibility, but the high beam and low beam may not be switched in some situations. It is the driver's responsibility to drive safely by consciously being aware of the situations around the vehicle and manually switch high beams and low beams as needed.

NOTICE

■ Starting AHB normally

- Do not overload your vehicle.
- Do not modify the vehicle.

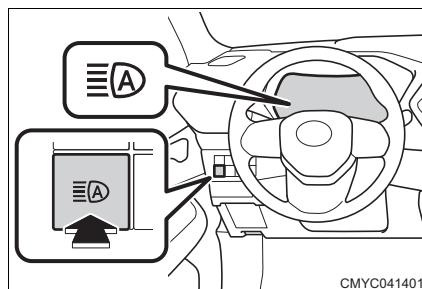
Using AHB

- 1 Set the headlight switch to the **AUTO** or  position and turn on the low beam (→ P. 252)

If the headlight switch is **AUTO**, the headlights may not turn on when the ambient is bright.

- 2 Press the AHB switch

When AHB is activated, the indicator for AHB enabled will light up.



*: If equipped

Conditions for automatic switching between high beams and low beams

High beams will turn on when all of the following conditions are met:

- The vehicle speed is approx. 30 km/h (18 mph) or higher
- The area in front of the vehicle is dark
- There is no oncoming or preceding vehicle, or the vehicle's lights are off
- Streetlights ahead are dim

Low beams will turn on when any of the following conditions are met:

- The vehicle speed is approx. 20 km/h (12 mph) or lower
- The area in front of the vehicle is bright
- The oncoming or preceding vehicle has its lights turned on
- Streetlights ahead are bright

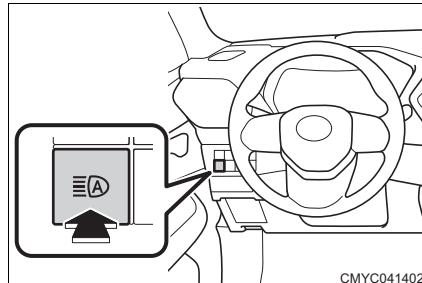
Manual switching

■ Switching to low beam

Press the AHB switch

The indicator for AHB enabled turns off.

To restore to AHB, press the AHB switch again.

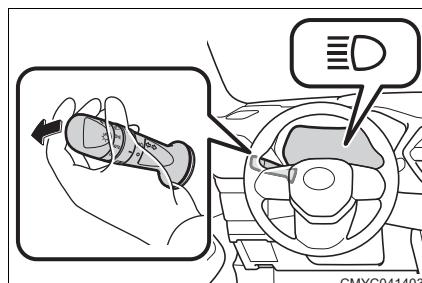


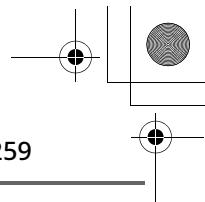
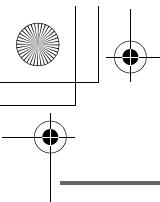
■ Switching to high beam

Push the lever forwards

The indicator for AHB enabled turns off, and the headlight high beam indicator lights up.

To restore to AHB, return the lever to its original position.





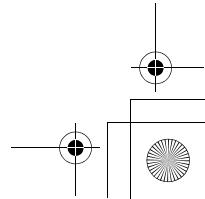
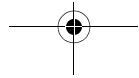
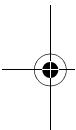
■Operating conditions

When the engine switch <power switch> is "ON"

■AHB

- In the following situations, high beams may not be switched to the low beams automatically.
 - When an oncoming vehicle has suddenly passed your vehicle on a curve with poor visibility
 - When a vehicle crosses in front of the vehicle
 - When oncoming or preceding vehicles come in and out of sight due to continuous curves, center dividers, roadside trees, etc.
 - When a preceding vehicle approaches to your vehicle from a distant lane
 - When the oncoming or preceding vehicle's lights are off or when the lights are dirty, discolored, or their optical axis is out of alignment
- The fog lights of a preceding vehicle may cause high beams to be switched to low beams
- In some cases, due to illumination, which include streetlights, signals and advertisements or due to reflective objects, which include signs and billboards, high beams may be switched to low beams or the low beams may be continued.
- The timing of high and low beam switching may change due to the following factors:
 - Brightness of lights on the oncoming or preceding vehicle
 - Movement and orientation of the oncoming or preceding vehicle
 - When the lights of the oncoming or preceding vehicle are lit on one side only
 - When the oncoming or preceding vehicle is a motorcycle
 - Road conditions (slopes, curves, road surface conditions, etc.)
 - Number of occupants in the vehicle and the amount of luggage
- AHB recognizes the situations around the vehicle based on the brightness of the lights ahead of the vehicle. Thus, the timing of high and low beam switching may not correspond to the situations recognized by the driver.
- Light vehicles including bicycles may not be detected.
- In the following situations, the ambient brightness may not be detected accurately, leading to cases where pedestrians, oncoming vehicles or preceding vehicles are disturbed by your high beams or cases where low beams are continued. In such cases, manually switch between high beams and low beams.
 - Bad weather (heavy rain, snowstorm, fog, etc.)

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Driving



- When the front side of the stereo camera is covered with raindrops and stickers on the windshield, or covered under the fogged or dirty windshield
- When the windshield is scratched or cracked
- When the stereo camera temperature is high
- When the stereo camera is deformed or dirty
- When there is light similar to a headlight or tail light in the surrounding area
- When the oncoming or preceding vehicle's lights are off or when the lights are dirty, discolored, or their optical axis is out of alignment
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When a rapid brightness change occurs continuously
- When driving on a road with a lot of ups and downs or bumps
- At a curve, on a winding or sloping road
- When there is an object reflecting light intensely in front of the vehicle, such as a sign or mirror
- When the rear side of the preceding vehicle, a container for example, reflects light intensely
- When the target cannot be recognized due to damage or smudges on the headlights preventing the target from being illuminated correctly
- When the vehicle is tilted due to a flat tire or during towing
- When high beams and low beams are being switched frequently
- When using high beams will cause a problem or when it seems to be disturbing other drivers or pedestrians around
- When it is not dark enough, such as during dim early morning or dusk hours
- When the road surface reflects the light strongly such as significantly wet road surface or snow-packed road

■When the AHB warning light turns on and the TFT color multi-information display shows the warning message of "AHB Malfunction Visit Your Dealer"

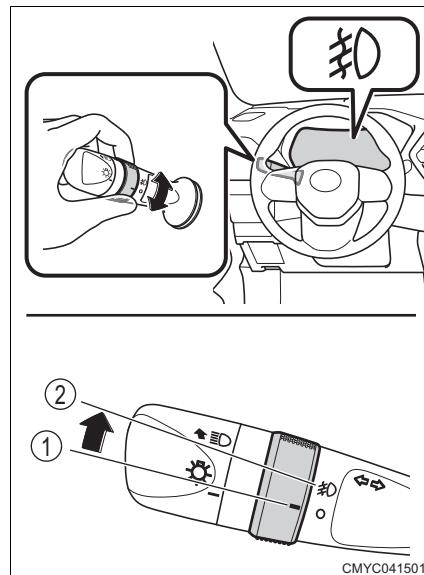
It may indicate a malfunction in the systems. Have the vehicle inspected at your Toyota dealer.

Fog light switch

Under bad weather conditions such as rain or fog, turn on the front fog light for improved forward visibility.

Moving the front fog light switch as shown here will turn on and off the front fog lights.

- ① ○ : Off
- ② ⚡ : On



4

Driving

■ Lighting conditions

This feature is available when the headlights or front position lights are turned on.

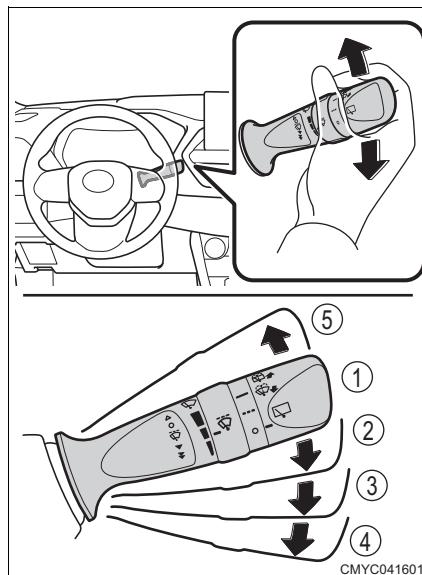
Wipers and washer (front)

Operation instructions

Operate the  lever as follows to operate the wipers or washer.

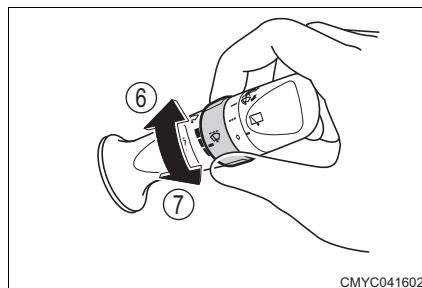
When  is selected, the intermittent operation time changes according to the vehicle speed.

- ①  : Stopped
- ②  : Intermittent windshield wiper operation
The intermittent windshield wiper operates more frequently as vehicle speed becomes higher.
- ③  : Low speed windshield wiper operation
- ④  : High speed windshield wiper operation
- ⑤  : Temporary operation



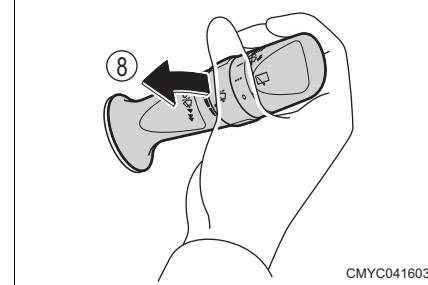
► When the intermittent windshield wiper operation is selected, the intermittent operation time can be adjusted.

- ⑥ Intermittent windshield wiper operation frequency (increase)
- ⑦ Intermittent windshield wiper operation frequency (decrease)



⑧  Dispense washer fluid

Pulling the lever operates the wipers and washer.



■ Operating conditions

When the engine switch <power switch> is "ON"

■ When the washer fluid does not come out

If the washer fluid does not come out even though the washer fluid tank level is not low, check the nozzles for clogging.

■ Customizations

The setting of the vehicle speed sensitive intermittent operation function can be changed.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 100, 118)

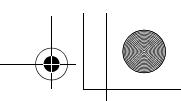
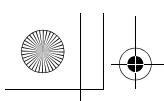
4

Driving

⚠ WARNING

■ 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 glass.

■ When the washer fluid does not come out

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

■ When a nozzle becomes clogged

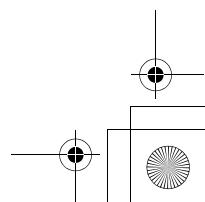
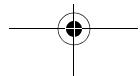
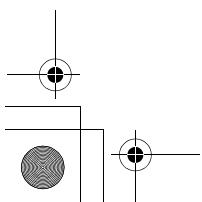
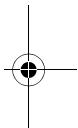
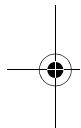
When a nozzle becomes clogged, contact your Toyota dealer.

Do not try to clear it with a pin or other object.

The nozzle will be damaged.

■ To prevent battery <12-volt battery> discharge

Do not leave the wipers on longer than necessary when the engine is not running <the hybrid system is stopped>.



Wiper and washer (rear)

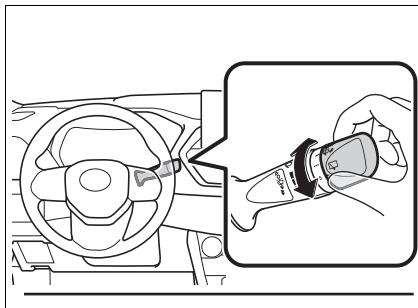
Operation instructions

Moving the  switch as shown here will activate the rear wiper.

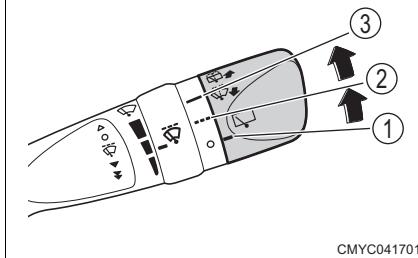
①  : Stopped

② : After moving at a slow speed for approximately 4 seconds, the intermittent wiper operation starts

③ : Normal operation



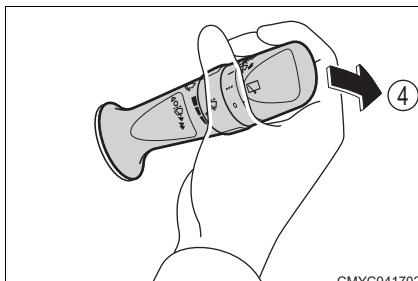
4
Driving



CMYC041701

④ : Dispense washer fluid

Pushing the lever forwards activates the washer.



CMYC041702

■ **Operating conditions**

When the engine switch <power switch> is "ON"

■ **When the washer fluid does not come out**

If the washer fluid does not come out even though the washer fluid tank level is not low, check the nozzles for clogging.

■ **Reverse wiper function**

While the windshield wiper is operating, setting the shift lever to R will move the rear wiper several times. After the windshield wiper is stopped, setting the shift lever to R within approximately 10 seconds will also move the rear wiper several times.

■ **Customizations**

The settings such as operation intervals can be modified.

(List of customizable features: → P. 588)

(For some of the features, the settings can be changed from the setup screen of the TFT color multi-information display: → P. 100, 118)

! NOTICE

■ **When the rear window is dry**

Do not use the wiper, as they may damage the glass.

■ **When the washer fluid does not come out**

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

■ **When a nozzle becomes clogged**

When a nozzle becomes clogged, contact your Toyota dealer.

Do not try to clear it with a pin or other object.

The nozzle will be damaged.

■ **To prevent battery <12-volt battery> discharge**

Do not leave the wiper on longer than necessary when the engine is not running <the hybrid system is stopped>.

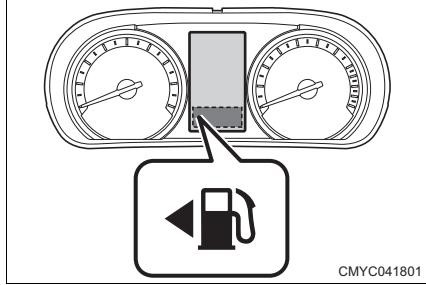
Opening the fuel tank cap

Perform the following steps to open the fuel tank cap:

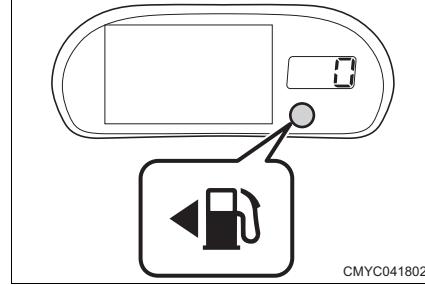
Before refueling the vehicle

- Close all the doors and windows, then turn the engine switch <power switch> to "OFF".
- Confirm the type of fuel.
- The side on which the fuel tank opening is mounted on the vehicle is indicated on the meter.

► Vehicles with TFT color multi-information display (4.2 inches)



► Vehicles with TFT color multi-information display (7 inches)



4

Driving

Fuel types

→ P. 579

Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your vehicle has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

WARNING

When refueling the vehicle

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

- After exiting the vehicle and before opening the fuel door, touch an unpainted metal surface to discharge any static electricity. It is important to discharge static electricity before refueling because sparks resulting from static electricity can cause fuel vapors to ignite while refueling.

WARNING

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

■ When refueling

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

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

■ When replacing the fuel tank cap

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

NOTICE

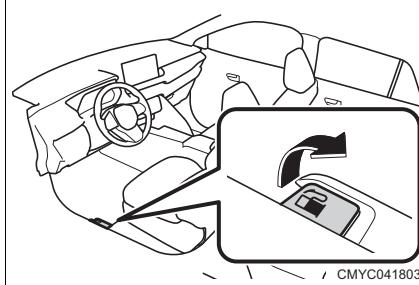
■ Refueling

Do not spill fuel during refueling.

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

Opening the fuel tank cap

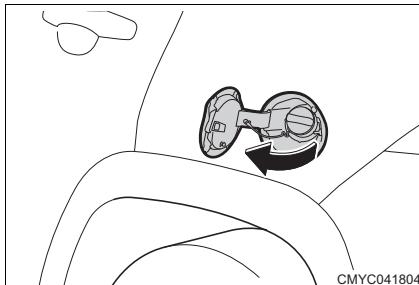
- 1** Pull up the opener and open the fuel tank cap



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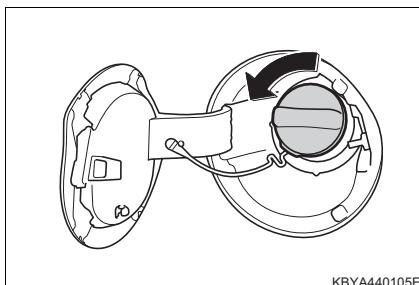
- 2** Open the fuel filler door until it no longer extends

Make sure that the fuel filler door will not close by itself.



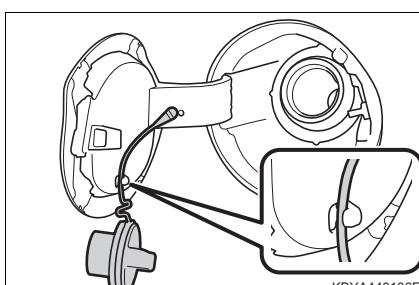
CMYC041804

- 3** Turn the fuel tank cap slowly to remove it



KBYA440105E

- 4** Put the cap into the hanger

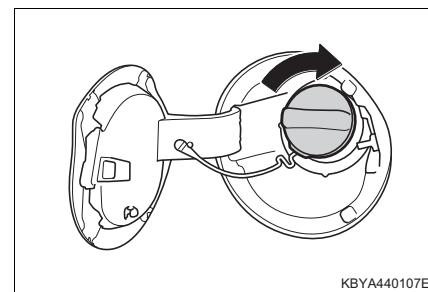


KBYA440106E

Closing the fuel tank cap

- 1 Turn and close the cap until you hear a click

Once the cap is released, it will turn slightly in the opposite direction.



KBYA440107E

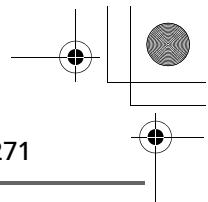
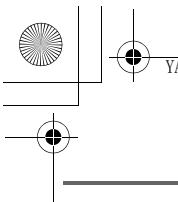
- 2 Close the fuel filler door until you hear a click

WARNING

If the cap does not close properly

Make sure to contact your Toyota dealer.

Using a fuel tank cap that does not close properly or using a fuel tank cap other than a genuine cap may cause a fire or other incident which may result in death or serious injury.



Toyota Safety Sense*

Toyota Safety Sense supports the driver with the following features and makes driving safer and more comfortable.

◆ Pre-collision warning

→ P. 284, 293

◆ Pre-collision braking

→ P. 284, 293

◆ Pedal misoperation control (front)

→ P. 304

◆ Lane Departure Warning

→ P. 311

◆ Lane departure prevention

→ P. 311

◆ Front departure alert

→ P. 318

◆ Adaptive Cruise Control

→ P. 320

◆ LKC

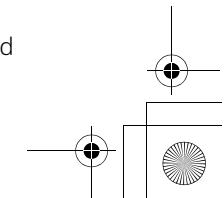
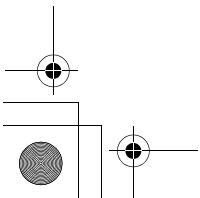
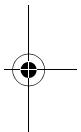
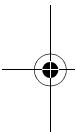
→ P. 340

◆ AHB

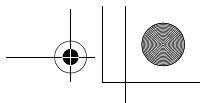
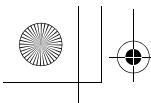
→ P. 257

4

Driving



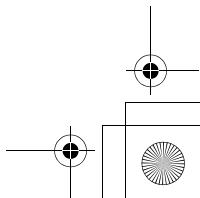
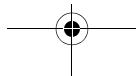
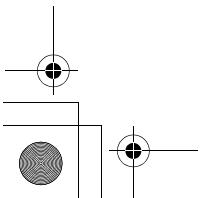
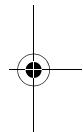
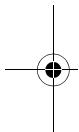
*: If equipped

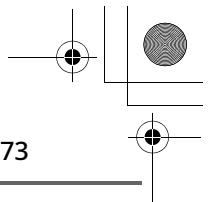
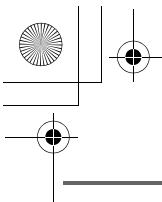


WARNING

■ Toyota Safety Sense

- Toyota Safety Sense is a system designed to help reduce the driver's burden and damage from accidents, assuming that the driver safely operates the vehicle. Toyota Safety Sense has limited recognition capabilities and control performance. The driver should not completely rely on the system. It is the driver's responsibility to drive safely by consciously being aware of the situations around the vehicle.
- The system does not work as intended in the situations listed below. Turn off the Toyota Safety Sense functions. (→ P. 274)
 - When the tire inflation pressure is incorrect
 - When a spare tire or tire chains are installed
 - When a worn-out tire or tires with uneven wear are installed
 - When tires other than the manufacturer's specified size are installed
 - When the suspension system has been altered
 - When an object blocking the stereo camera view is installed on the vehicle
 - When the target cannot be recognized due to smudges on the headlights preventing the target from being illuminated correctly
 - When the optical axis of the headlight is out of alignment
 - When the lights including headlights have been altered
 - When the vehicle is significantly tilted due to a heavy load placed on the vehicle
 - When the vehicle was altered or uniquely customized
 - When the vehicle is being towed
 - When the vehicle is loaded on an auto transport truck
 - When using a chassis dynamometer or free roller
 - When you want to let the tires spin after lifting up the vehicle and starting the engine <hybrid system>
 - When the vehicle passes through banners and flags, hanging branches, plastic curtains, or travels on a road with grass and bushes touching the vehicle
 - During performance driving in a circuit
 - When a wheel came off or when attempting to get out of a muddy area
 - When driving on a flooded road
 - When the vehicle is in an unstable condition due to an accident or malfunction
 - When the brake system warning light is turned on





Vehicle data recording

Toyota Safety Sense is equipped with a computer that records data on vehicle control and operation. The main data that the system records is as follows:

- Accelerator pedal and brake pedal operating state
- Steering wheel and shift lever operating state
- Vehicle information including vehicle speed
- Activation state of each Toyota Safety Sense function
- Distance from the vehicle ahead or obstacles, relative speed, and so on
- Image data of the stereo camera (only when the secondary brake is activated)

Note that audio such as conversations or images inside the vehicle will not be recorded.

■ Data usage

Toyota and the third parties outsourced by Toyota may acquire and use data recorded in these computers to diagnose vehicle malfunctions, conduct research and development, and improve quality.

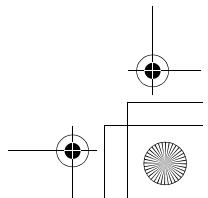
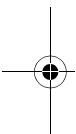
Except in the following cases, Toyota and the third parties commissioned by Toyota will not disclose or provide the acquired data to other third parties.

- 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 in research institutions, where the data is not tied to a specific vehicle or vehicle owner

Recorded image data can be erased with the dedicated device.

It is also possible to deactivate the function that records image data. For more information, contact your Toyota dealer.

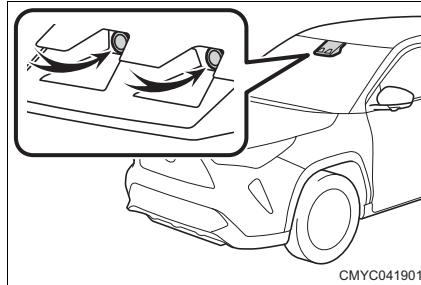
4
Driving



Stereo camera

The stereo camera recognizes necessary information using the following functions:

- Pre-collision warning
- Pre-collision braking
- Pedal misoperation control (front)
- Lane Departure Warning
- Lane departure prevention
- Front departure alert
- Adaptive Cruise Control
- LKC
- AHB



How to turn off the Toyota Safety Sense functions

You can deactivate the Toyota Safety Sense functions by pressing the Toyota Safety Sense OFF switch.

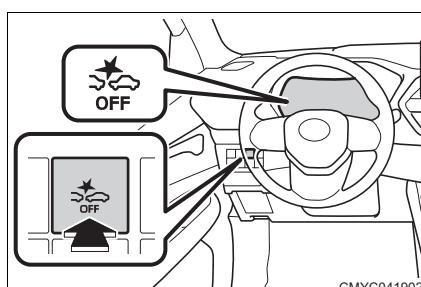
In addition, you can deactivate some of the Toyota Safety Sense functions by changing the settings on the TFT color multi-information display. (→ P. 123)

■ Deactivating the pre-collision warning, pre-collision braking, pedal misoperation control (front), front departure alert, and Adaptive Cruise Control

Press and hold the Toyota Safety Sense OFF switch for 2 seconds and longer while the vehicle is stopped

A high-pitch short beep sounds twice and the Toyota Safety Sense OFF indicator light turns on.

When you press and hold the switch again for 2 seconds and longer, the Toyota Safety Sense OFF indicator light turns off with a high-pitch short beep sounding twice, and the functions will be in the ready state again.

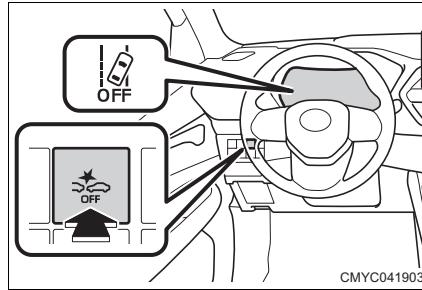


■ Deactivating the Lane Departure Warning, the lane departure prevention and LKC

Press the Toyota Safety Sense OFF switch

A high-pitch short beep sounds twice, and the Lane Departure Warning OFF indicator turns on.

When you press the switch again, the Lane Departure Warning OFF indicator turns off with a high-pitch short beep sounding twice, and the functions will be in the ready state again.



■ Information about the stereo camera

- The stereo camera has characteristics that are similar to human eyes. Therefore, in situations where it is difficult for drivers to see areas ahead of them, it is also difficult for the stereo camera to recognize the preceding vehicles, obstacles, and lanes.
- The stereo camera can only recognize the preceding vehicles, obstacles, and lanes within its field of view. Note that it takes several seconds for the system to activate controls or issue warnings after an object has entered the stereo camera's field of view.

4

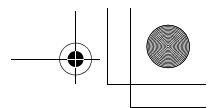
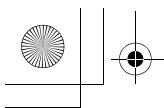
Driving

■ When Toyota Safety Sense will not be activated

The Toyota Safety Sense functions will not be activated in any of the following situations:

- Immediately after starting the engine <hybrid system>
- When the system is deactivated by the Toyota Safety Sense OFF switch
- When the Toyota Safety Sense OFF indicator light is on or flashing
- When the function off codes (→ P. 547) are displayed *(function disabled)

* Even when a function off code is displayed, some of the functions still work. For more information, read the description of each function.



■Pausing the Toyota Safety Sense functions

In the following situations, the Toyota Safety Sense recognition capabilities may become degraded or paused depending on the situation. (→ P. 547)

Once the situations have improved, the functions will be activated again.

- Bad weather (heavy rain, snowstorm, fog, etc.)
- When the stereo camera temperature has increased significantly after the vehicle was left under the blazing sun
- Immediately after starting the engine <hybrid system>
- When the vehicle was exposed to strong light from the front (such as back-light by the sun or headlight beam from oncoming vehicles)
- In a completely dark area without streetlights and there are no buildings or vehicles around it
- When the stereo camera is covered with snow, dirt, or frost
- When the vehicle has a heavy load placed on it
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust

The conditions of degraded recognition capabilities differ by the functions. For more information, read the description of each function.

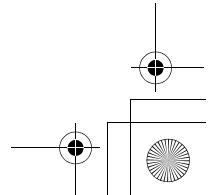
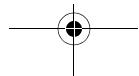
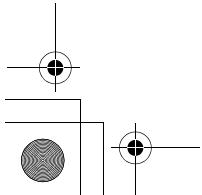
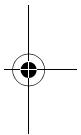
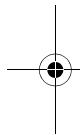
■Automatic reactivation of Toyota Safety Sense

Even when the following functions are deactivated by pressing the Toyota Safety Sense OFF switch, the functions will be reactivated by turning the engine switch <power switch> "OFF" and then turning it "ON" again.

- Pre-collision warning
- Pre-collision braking
- Pedal misoperation control (front)
- Front departure alert
- Adaptive Cruise Control

■Lane Departure Warning, lane departure prevention and LKC

The system ready and deactivated state for the Lane Departure Warning, the lane departure prevention and LKC will be maintained even after the engine <hybrid system> is restarted.



■ Activation status of Toyota Safety Sense

The buzzers, meters, and screen display will notify the driver of the activation status of Toyota Safety Sense.

Buzzer	Meter display	Message	Activation status
A high-pitch short beep sounds 6 times		"BRAKE PROCEED WITH CAUTION"	The pre-collision warning is activated
A high-pitch short beep sounds continuously	 	"BRAKE PROCEED WITH CAUTION"	The primary brake or the secondary brake of pre-collision braking is activated
A high-pitch 3 short beep continues to sound intermittently		"BRAKE PROCEED WITH CAUTION"	After the secondary brake of pre-collision braking is activated, the vehicle stops The driver can stop the buzzer and clear the screen display by performing any operation.
A high-pitch short beep sounds 6 times		"BRAKE PROCEED WITH CAUTION"	The alarm of the pedal misoperation control (front) is activated
A high-pitch short beep sounds continuously	 	"BRAKE Stepping on the Accelerator"	The engine <hybrid system> output is controlled when the alarm of the pedal misoperation control (front) is activated
A high-pitch short beep sounds continuously	 	"BRAKE Stepping on the Accelerator"	The brake control feature of the pedal misoperation control (front) is activated
High-pitch 4 short beeps sound twice		"LDW in Operation"	The Lane Departure Warning is activated

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Buzzer	Meter display	Message	Activation status
—	 (Lit)  (Flashing)	—	The lane departure prevention is activated
A high-pitch short beep sounds 5 times	  (Lit)  (Flashing)	"Hold Steering Wheel"	While the system was detecting the driver not holding the steering wheel, the lane departure prevention was activated twice or more within approximately 3 minutes, and the hands-off warning was issued
A high-pitch short beep sounds continuously	  (Lit)  (Flashing)	"Hold Steering Wheel"	In the hands-off warning state, the lane departure prevention was activated, and the hands-off warning light turned on
A high-pitch short beep sounds 3 times	 (Flashing)	"Front Camera in Operation Vehicle Ahead Moving"	The front departure alert is activated
—	 (green)	—	AHB is activated

Buzzer	Meter display	Message	Activation status
—	 (green)  	—	The Adaptive Cruise Control is activated in the vehicle-to-vehicle distance control mode
—	  	—	The Adaptive Cruise Control is activated in the constant speed control mode
A high-pitch short beep	 * 	—	With the Adaptive Cruise Control activated, the system has recognized or has no longer recognized a vehicle in front of you
A high-pitch short beep sounds continuously	 (Flashing)	"PROCEED WITH CAUTION"	The approach warning of the Adaptive Cruise Control is activated
—	—	"Stop Holding Activated"	The vehicle stop control of the Adaptive Cruise Control is activated

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Driving

Buzzer	Meter display	Message	Activation status
A high-pitch short beep	  - - km/h (Flashing)	"ACC Unavailable"	The -SET switch or the +RES switch was pressed without satisfying the setting conditions of the Adaptive Cruise Control
A high-pitch 2 short beep sounds continuously	  - - km/h (Flashing)	"ACC Unavailable Step on the Brake to Release"	The vehicle stop control of the Adaptive Cruise Control is deactivated automatically
A high-pitch short beep sounds 2 times	  - - km/h (Flashing)	"Out of Working Range ACC Cancel"	The activation conditions were no longer satisfied, and the Adaptive Cruise Control was deactivated
A high-pitch 2 short beep sounds continuously	  80km/h (Flashing)	"No Vehicle Ahead ACC Cancel"	The system has no longer recognized a vehicle ahead of you, and the Adaptive Cruise Control was deactivated
—	 	—	LKC is activated

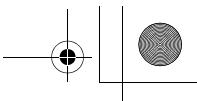
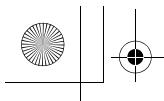
4-5. Using the driving support systems

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Buzzer	Meter display	Message	Activation status
—		"Hold Steering Wheel"	When LKC was operating, the system detected the driver not holding the steering wheel, and the hands-off warning was issued
A high-pitch 2 short beep continues to sound intermittently		"Hold Steering Wheel"	When LKC was operating, the driver continued not to operate the steering wheel in the hands-off warning state, and the hands-off warning light turned on
A high-pitch short beep sounds continuously	—	—	When LKC was operating, the driver continued not to operate the steering wheel while the hands-off warning light was illuminating, and LKC was deactivated

* When the system has recognized a vehicle in front of you, the preceding vehicle indicator light turns on. When the system has no longer recognized a vehicle in front of you, the preceding vehicle indicator light turns off.

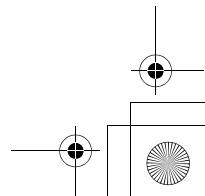
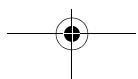
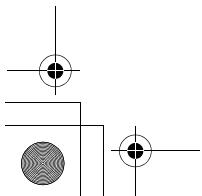
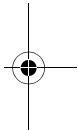
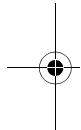
4
Driving

**WARNING****To prevent malfunction or failure of the stereo camera**

Observe the following precautions.

Failure to do so may prevent the stereo camera from working properly, possibly leading to an unforeseen accident resulting in serious injury or death.

- Keep the windshield in front of the stereo camera clean at all times.
 - If any dirt, oil film, water droplets, snow and other objects are attached to the outside of the windshield, make sure to remove them.
 - If water droplets are attached to the front side of the stereo camera, use the wipers to remove them.
 - If the stereo camera mounted area inside the windshield becomes dirty, contact your Toyota dealer.
- Do not paste any stickers (including transparent ones) on the windshield area in front of the stereo camera. If you have no choice but to attach them (such as a sticker for compulsory vehicle inspection), avoid the area in front of the stereo camera.
- If the windshield gets foggy, defog it.
- If the wiper do not remove water droplets from the front side of the stereo camera on the windshield, replace the wiper rubber or wiper blades.
(→ P. 494)
 - If you need to replace the wiper blades, contact your Toyota dealer.
- Do not paste a film over the windshield.
- If the area around the stereo camera is deformed due to an accident or other reasons, contact your Toyota dealer.
- If the windshield is scratched or cracked, do not leave it as is, but replace it. Especially when the windshield area in front of the stereo camera is damaged, including scratches, cracks, or repaired segments, the system may not work as intended.
If you need to replace the windshield, contact your Toyota dealer.
- Do not replace it with a non-genuine Toyota windshield.
- Do not splash liquid on the stereo camera.
- Do not make the stereo camera lens dirty or scratched. If the lens is dirty or scratched, contact your Toyota dealer.
- Do not give a strong impact to the stereo camera.
- Do not change the mounting position or orientation of the stereo camera.
Do not take it off.
- Do not disassemble the stereo camera.



WARNING

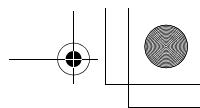
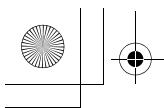
- Do not install equipment that will emit strong radio waves, such as electrical devices and antennas, near the stereo camera.
- Do not alter the ceiling or the stereo camera's peripheral parts, such as the inside rear view mirrors.
- Do not place any object on the instrument panel. Doing so will cause the light to be reflected on the windshield and prevent the system from working normally.
- If you apply glossy coat over the top surface of the instrument panel using chemical agent or other items, the reflections to the windshield may prevent the system from working normally because the stereo camera cannot recognize objects at a consistent level.
- Do not install accessories that could block the stereo camera view on the hood, front grille, or front bumper.
- When you load long-sized items on the roof, such as surfboards, canoes, or skis, be careful not to have them block the stereo camera view.
- Do not install a non-genuine Toyota inside rear view mirror (such as a wide-type mirror) or sun visors.

Dirt detection function

- The stereo camera is equipped with the dirt detection function, but they are not perfect.
When the system detects that the sensors are dirty, the Toyota Safety Sense functions will be deactivated automatically.

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Driving

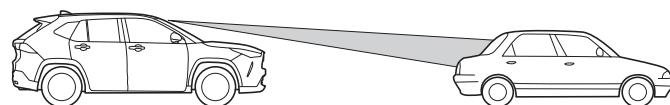


Pre-collision warning (for vehicles)*^{*1}/ Pre-collision braking (for vehicles)*^{*1}

When there is a high risk of collisions, the pre-collision warning and the pre-collision braking will be activated using the stereo camera to recognize preceding vehicles. They are designed to help avoid collisions or mitigate damage from collisions by alerting the driver and controlling the braking.

*¹ Vehicles with Toyota Safety Sense (except for Brunei and Central and South America).*²

*² The countries and areas for each region are current as of June 2023. However, depending on when the vehicle was sold, the countries and areas of each region may be different. Contact your Toyota dealer for details.



CMYC042001

◆ Pre-collision warning (for vehicles)

When the system determines a high risk of collisions, the buzzer and display indicator (→ P. 277) will alert the driver.

Depending on the conditions, the pre-collision warning will be activated for obstacles like motorcycles, pedestrians, walls, and guardrails.

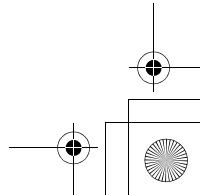
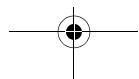
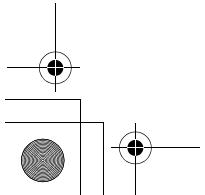
◆ Pre-collision braking (for vehicles)

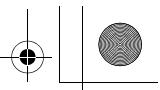
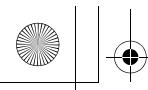
When the system determines a high risk of collisions, the buzzer, warning lights in the meter, and the display indicator (→ P. 277) will alert the driver, and then the emergency brake will be activated right before a collision so as to avoid the collision or mitigate damage from the collision.

◆ Pre-collision braking assist

When you step on the brake pedal while the emergency brake is being activated, the system helps decelerate the vehicle by applying the greater force than your actual braking.

*: If equipped





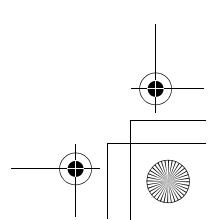
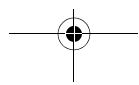
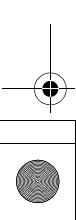
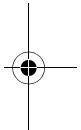
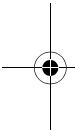
⚠ WARNING

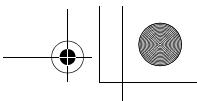
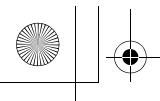
■ For safe use

- The driver is responsible for driving the vehicle safely. It is the driver's responsibility to be aware of the situations around the vehicle and drive safely. Never use the pre-collision braking as a substitute for the regular braking. The pre-collision braking is not designed to avoid all collisions or mitigate damage from collisions in all circumstances. If the driver relies on the function or lets the system control the safety, it could lead to an unforeseen accident, resulting in serious injury or death in the worst case.
- The pre-collision braking is intended to help avoid collisions or mitigate damage from collisions. When the system determines that a collision is not avoidable, the emergency brake will be activated to apply strong braking right before a collision occurs, but the performance will not be the same all the time. Drive safe and do not overly rely on the system, since the effect will change by various conditions.
 - Situations where the function may be activated even without a possibility of collisions: → P. 291
 - Situations where the function may not work normally: → P. 286, 291
- For your safety, do not attempt to test the activation of the pre-collision braking on your own. The vehicle may not stop in time or the system may not be activated, which could lead to an unforeseen accident.

■ Pre-collision warning and pre-collision braking

- The pre-collision braking will be activated for preceding vehicles that were recognized by the stereo camera. It could be activated by motorcycles, pedestrians, utility poles, or walls, but this function is not intended to avoid collisions with these objects.
- When the emergency brake gets activated, the emergency brake will continue to be applied even if the accelerator pedal is operated. However, if you step on the accelerator pedal all the way, the pre-collision braking will be deactivated.
- When the driver is stepping on the brake pedal or maneuvering the steering wheel, it could be considered as the driver's evasive action depending on the operating state. In that case, the pre-collision warning or the pre-collision braking may not be activated.
- The pre-collision braking will not be activated if the speed difference from the preceding vehicle is greater than approx. 120 km/h (75 mph).
- Make sure to wear the seat belt. Make sure to have the passengers wear them as well. Failure to wear the seat belt correctly could lead to dangerous situations when the pre-collision braking is activated. (→ P. 32)





WARNING

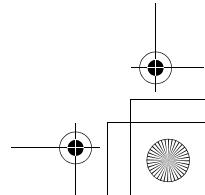
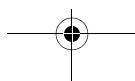
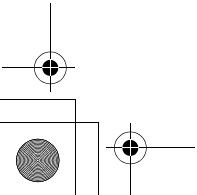
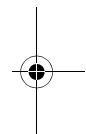
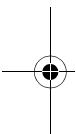
■ Pre-collision braking

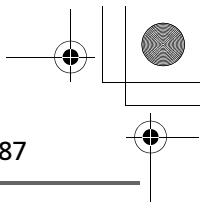
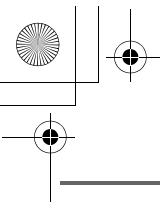
When the emergency brake gets activated, strong braking will be applied. Since the emergency brake will be deactivated approx. 1.5 seconds after the vehicle has stopped, the driver should step on the brake pedal as needed.

■ Situations where the pre-collision warning and pre-collision braking may not be activated

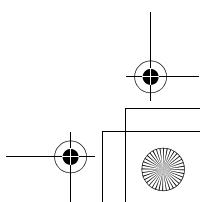
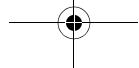
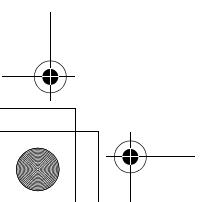
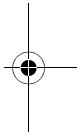
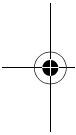
In the following cases, the vehicle may not stop in time because the pre-collision warning or pre-collision braking may not become activated.

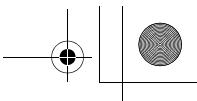
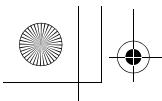
- Speed difference from the preceding vehicles, distance between vehicles, approaching conditions, lateral displacement (e.g., not located in front of your vehicle)
- Vehicle conditions (load capacity, occupants, etc.)
- Road conditions (slopes, slipperiness, shape, unevenness, etc.)
- Poor visibility ahead (heavy rain, snowstorm, fog, dust, etc.)
- When the system determined that the driver has taken evasive action judging from the driver's maneuvering state (such as accelerator/brake pedal operation and steering wheel handling)
- Immediately after starting the engine <hybrid system>
- When the brakes are cold because the outside temperature is low or right after you started driving
- When the brakes are not working well after the brakes overheated on a downhill
- When the brakes are wet and not working well after you drove into a puddle or after a car wash
- Situations where the stereo camera has difficulty in recognizing objects (the following cases in particular)
 - When the front side of the stereo camera is covered with snow, frost, rain-drops, and dust on the windshield, or covered under the fogged or dirty windshield
 - When glass coating agent is applied
 - When a film is pasted over the windshield
 - When the reflections on the windshield are preventing the system from recognizing objects consistently
 - When the windshield is not completely wiped dry while the front window washer is in use or right after that
 - When the windshield is scratched or cracked
 - When long-sized items are loaded on the roof, such as surfboards, canoes, or skis, and they are blocking the stereo camera's field of view



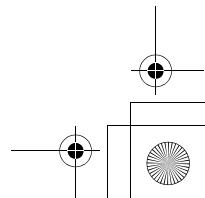
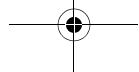
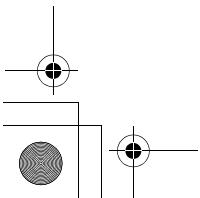
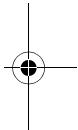
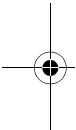
**⚠ WARNING**

- When non-genuine Toyota wiper blades are installed (including the short types)
- When the system is unable to recognize objects sufficiently because rain-drops or water droplets from the window washer or the wiper blades are blocking the stereo camera's field of view
- When the front side of the stereo camera is blocked with your hand
- When a shock is applied to the stereo camera, resulting in misalignment or distortion
- Bad weather (heavy rain, snowstorm, fog, etc.)
- When the vehicle approaches the preceding vehicles in a dark area, such as at night, inside a tunnel or an indoor parking lot
- When the brightness has changed at the entrance or exit of a tunnel, under a tree or behind a building
- When the front side of the stereo camera is exposed to strong light from the front (such as backlight by the sun or headlight beam from oncoming vehicles)
- When strong light is reflected on the vehicles or roads
- At a curve, on a winding or sloping road
- When the road has a puddle or a layer of water
- On snowy roads or unpaved roads with uneven surfaces or tire tracks
- When the distance from the preceding vehicles is extremely short
- When a vehicle cuts in or jumps in to the front of your vehicle
- When the vehicle approaches the preceding vehicles during sudden acceleration or steering wheel operation
- When only a portion of the preceding vehicle is located inside the stereo camera's recognition range
- When approaching with a small difference in speed (since the control is applied after approaching, the object's end surface may fall outside the stereo camera's field of view depending on the object's shapes or sizes)
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When your vehicle changes lanes and approaches immediately behind the preceding vehicle
- When the preceding vehicle's driver turns the steering wheel all of a sudden or the preceding vehicle accelerates/decelerates rapidly
- For uniquely shaped vehicles (including transport trucks and sidecars)
- When the preceding vehicle's end surface is small (such as a trailer), low, or uneven



**⚠ WARNING**

- When approaching the preceding vehicle that has a large rear window which makes the front side visible
- When the preceding vehicle is a truck without the gate body, which has no cargo
- For a vehicle of which cargo is sticking out from the rear end
- When vehicles are traveling or stopped in a diagonal or horizontal direction
- For oncoming vehicles or backing up vehicles
- For a vehicle with low vehicle height
- When objects such as walls are present in front of the stopped vehicle
- When the preceding vehicle is leaning to one side due to a heavy load placed on it
- When an obstacle exists outside the headlight's illuminated range
- When the color of the surrounding area is similar (e.g. snowy landscape)
- When there is little contrast between the object and the background (e.g., a black vehicle in a forest)

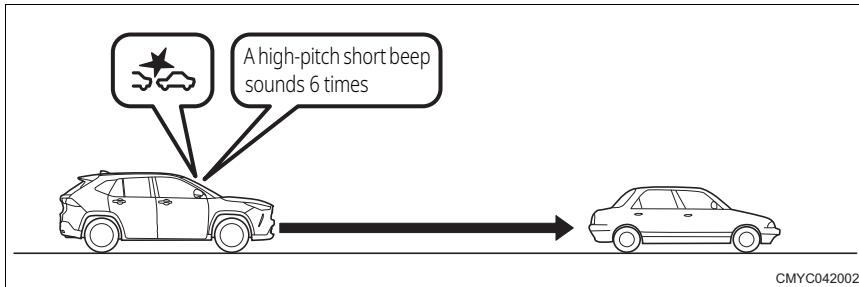


Activation of the pre-collision warning, pre-collision braking, and pre-collision braking assist

The system will be activated in the order specified in Step 1 through 4, alerting the driver to exercise caution and controlling the braking.

- While the system is being activated, the driver will be alerted by the buzzer, the warning light in the meter, or the display indicator to exercise caution.
- During the brake control, the stop lights and high mounted stoplight are lit.
- Stepping on the brake pedal while the brake control is being applied will activate the pre-collision braking assist. The system helps decelerate the vehicle by applying the greater force than your actual braking.

1 Pre-collision warning

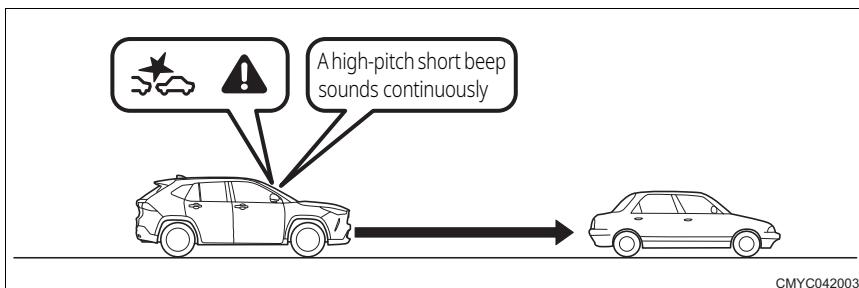


4

Driving

When the system determines the risk of a collision with the preceding vehicle, it will alert the driver by the buzzer and display indicator (→ P. 277) to take evasive action to avoid a collision.

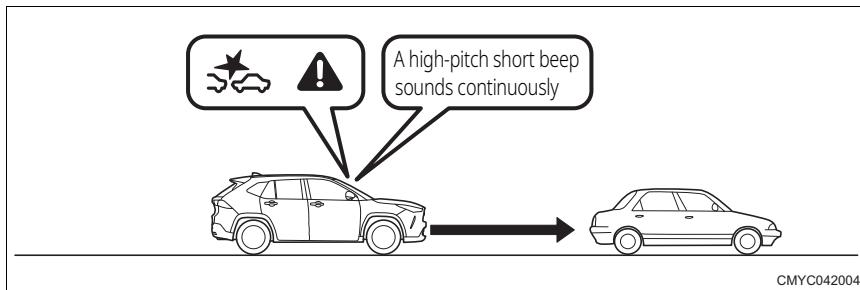
2 Primary brake



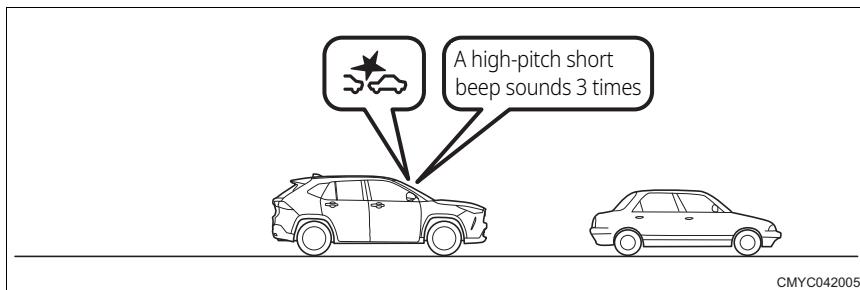
When the system recognizes the preceding vehicles and determines a high risk of collisions, the system will change the buzzer and apply the brake control.

- When the system does not recognize any preceding vehicle, or when the driver decelerates the vehicle by stepping on the brake pedal and maintains an appropriate distance between the vehicles, the system will not apply the brake control.
- When the system determines that the driver's evasive action (such as brake pedal or steering wheel operation) has reduced the risk of collisions, the functions will be deactivated.

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[3] Secondary brake

When the system determines an extremely high risk of collisions with preceding vehicles, the stronger braking than the primary brake will be applied.

[4] Stop control

The buzzer sounds after the vehicle has been stopped. The brake control continues to be applied for up to approx. 1.5 seconds, and then the brake control will be deactivated.

Once the brake control is deactivated after the stop control, the vehicle will start moving slowly, which is known as creeping. To continue the stopped state, keep stepping on the brake pedal firmly. (Continuously variable transmission vehicles or hybrid transmission vehicles start moving slowly by creeping)

For manual transmission vehicles, when the engine <hybrid system> stops, be calm and start the engine <hybrid system>.

■ Activation conditions of the pre-collision warning, pre-collision braking, and pre-collision braking assist

The function is ready to be activated when your vehicle satisfies all of the following conditions:

- When the engine switch <power switch> is "ON"
- The Toyota Safety Sense OFF indicator light is off
- When the function off code "11E", "12E" or "14E" is not displayed
- When the shift lever is set in other than P (continuously variable transmission vehicles or hybrid transmission vehicles) or R

- When the vehicle travels at the activation speed or maintains the speed difference for any of the functions listed in the table below

Function	Target	Activation speed and speed difference*1
Pre-collision warning	For vehicles	Approx. 4 to 120 km/h (3 to 75 mph)
Pre-collision braking	For vehicles	Approx. 4 to 120 km/h (3 to 75 mph)
Pre-collision braking assist*2	For vehicles	Approx. 30 to 120 km/h (19 to 75 mph)

*1 The speed difference between your vehicle and the preceding vehicle corresponds to the value of the activation speed.

*2 When you step on the brake pedal while the emergency brake is being activated

■ Pre-collision braking

- Depending on the situation, the primary brake or the secondary brake may become activated first.
- You may hear a noise during pre-collision braking, but this noise is generated by the control and is not a malfunction.
- You may feel the pedal heavier when you step on the brake pedal during pre-collision braking, but this is not a malfunction.

4

Driving

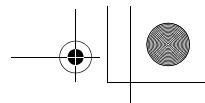
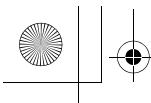
■ Pre-collision braking (manual transmission vehicles)

When the clutch pedal is not depressed during pre-collision braking, the engine may stop. When the engine stops, be calm and depress the clutch pedal and brake pedal firmly, and start the engine.

■ Situations where the pre-collision warning and pre-collision braking will be activated even without the possibility of a collision

In the following cases, the pre-collision warning and pre-collision braking may become activated even without the possibility of a collision.

- When driving on a narrow road with walls or obstacles on both sides, such as narrow bridges, small tunnels, country roads, ETC gates, narrow guardrails, snowbanks and so on
- When driving your vehicle in close proximity to the preceding vehicle or stopping your vehicle immediately before the wall ahead or the preceding vehicle
- When passing through a parked vehicle at an extremely close range or when an oncoming vehicle is approaching your vehicle
- When driving an area where the road slopes suddenly change
- When passing through a mass of water vapor, fog, or smog
- When passing through plastic curtains or driving under flags
- When water splashes or drifting snow whirls up



- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When the optical axis of the stereo camera is out of alignment
- When using an elevator for automobiles or using a mechanical parking lot
- When the road surface has a large painted area
- When there are roadside objects, such as guardrails, signboards, or trees at a curve entrance or intersections
- When there is an oncoming vehicle passing your vehicle at a curve
- Before the parking lot bars or railroad crossing bars are fully raised
- When the road contains a cat's eyes, utility holes, or trolley tracks while running on a downhill
- When the shadow of a sign or a road joint is present in front of you while running over bumps or steps
- When more than one preceding vehicle appears overlapping
- When there are signboards or tree branches above the vehicle while running on an uphill
- When there are continuous vertical patterns, such as fences with vertical stripes or tiled walls
- When the preceding vehicle's turn signal light, emergency flashers, or stop lights have turned on
- When there is a puddle or a slippery road, or when the body mirror surface reflects the background or light
- When there is light shining in from the outside
- When there are objects moving in parallel, such as a vehicle and a vehicle, or distant light objects
- When two objects are swapped against each other, such as preceding vehicles swapping their lanes and so on
- When the rear side has a difference from the front and back area, such as dump trucks and empty trucks
- For complex-shaped vehicles
- When there are flags or tree branches swaying by the wind

■ How to deactivate the pre-collision warning and pre-collision braking

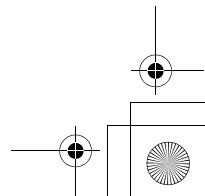
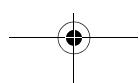
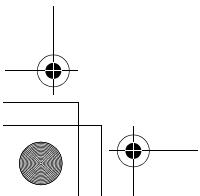
→ P. 274

■ Customizations

The settings for the pre-collision warning can be changed.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 118)



Pre-collision warning (for vehicles and pedestrians)*^{*1}/Pre-collision braking (for vehicles and pedestrians)*^{*1}

The pre-collision warning and the pre-collision braking will be activated when there is a high risk of collisions by using the stereo camera to recognize preceding vehicles*² and pedestrians*³. They are designed to help avoid collisions or mitigate damage from collisions by alerting the driver and controlling the braking.

*¹ Vehicles with Toyota Safety Sense (for Brunei and Central and South America).*⁴

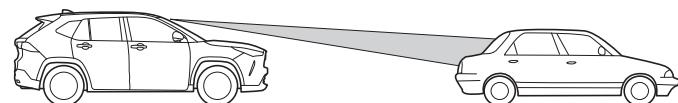
*² Including motorcycles and bicycles

*³ Works for daytime and nighttime

*⁴ The countries and areas for each region are current as of June 2023. However, depending on when the vehicle was sold, the countries and areas of each region may be different. Contact your Toyota dealer for details.

4

Driving



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◆ Pre-collision warning (for vehicles and pedestrians)

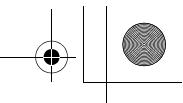
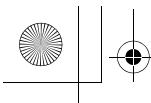
When the system determines a high risk of collisions, the buzzer and display indicator (→ P. 277) will alert the driver.

Depending on the conditions, the pre-collision warning will be activated for obstacles like motorcycles, pedestrians, walls, and guardrails.

◆ Pre-collision braking (for vehicles and pedestrians)

When the system determines a high risk of collisions, the buzzer, warning lights in the meter, and the display indicator (→ P. 277) will alert the driver, and then the emergency brake will be activated right before a collision so as to avoid the collision or mitigate damage from the collision.

*: If equipped



◆ Pre-collision braking assist

When you step on the brake pedal while the emergency brake is being activated, the system helps decelerate the vehicle by applying the greater force than your actual braking.

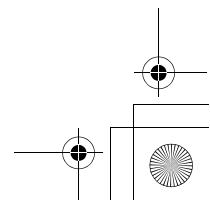
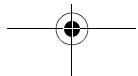
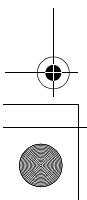
WARNING

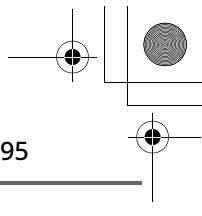
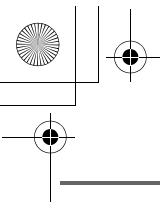
■ For safe use

- The driver is responsible for driving the vehicle safely. It is the driver's responsibility to be aware of the situations around the vehicle and drive safely. Never use the pre-collision braking as a substitute for the regular braking. The pre-collision braking is not designed to avoid all collisions or mitigate damage from collisions in all circumstances. If the driver relies on the function or lets the system control the safety, it could lead to an unforeseen accident, resulting in serious injury or death in the worst case.
- The pre-collision braking is intended to help avoid collisions or mitigate damage from collisions. When the system determines that a collision is not avoidable, the emergency brake will be activated to apply strong braking right before a collision occurs, but the performance will not be the same all the time. Drive safe and do not overly rely on the system, since the effect will change by various conditions.
 - Situations where the function may be activated even without a possibility of collisions: → P. 301
 - Situations where the function may not work normally: → P. 295, 301
- For your safety, do not attempt to test the activation of the pre-collision braking on your own. The vehicle may not stop in time or the system may not be activated, which could lead to an unforeseen accident.

■ Pre-collision warning and pre-collision braking

- Pre-collision braking will be activated for preceding vehicles* and pedestrians that were recognized by the stereo camera. It could be activated by utility poles or walls, but this function is not intended to avoid collisions with these objects.
- When the emergency brake gets activated, the emergency brake will continue to be applied even if the accelerator pedal is operated. However, if you step on the accelerator pedal all the way, the pre-collision braking will be deactivated.
- When the driver is stepping on the brake pedal or maneuvering the steering wheel, it could be considered as the driver's evasive action depending on the operating state. In that case, the pre-collision warning or the pre-collision braking may not be activated.





⚠ WARNING

- The pre-collision braking will not be activated if the speed difference from the preceding vehicle is greater than approx. 120 km/h (75 mph) (approx. 60 km/h (37 mph) for pedestrians).
- Make sure to wear the seat belt. Make sure to have the passengers wear them as well. Failure to wear the seat belt correctly could lead to dangerous situations when the pre-collision braking is activated. (→ P. 32)

* Including motorcycles and bicycles

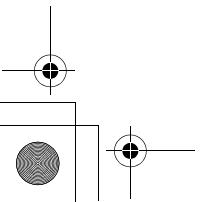
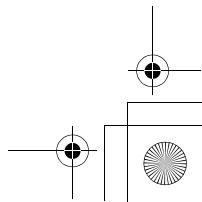
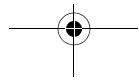
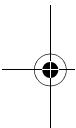
■ Pre-collision braking

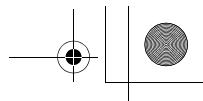
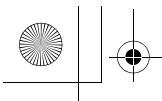
When the emergency brake gets activated, strong braking will be applied. Since the emergency brake will be deactivated approx. 1.5 seconds after the vehicle has stopped, the driver should step on the brake pedal as needed.

■ Situations where the pre-collision warning and pre-collision braking may not be activated

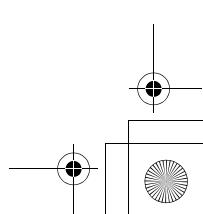
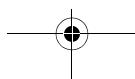
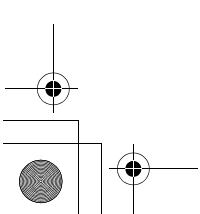
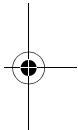
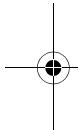
In the following cases, the vehicle may not stop in time because the pre-collision warning or pre-collision braking may not become activated.

- Speed difference from the preceding vehicles* or pedestrians, distance between vehicles, approaching conditions, lateral displacement (e.g., not located in front of your vehicle)
- Vehicle conditions (load capacity, occupants, etc.)
- Road conditions (slopes, slipperiness, shape, unevenness, etc.)
- Poor visibility ahead (heavy rain, snowstorm, fog, dust, etc.)
- When the system determined that the driver has taken evasive action judging from the driver's maneuvering state (such as accelerator/brake pedal operation and steering wheel handling)
- Immediately after starting the engine <hybrid system>
- When the brakes are cold because the outside temperature is low or right after you started driving
- When the brakes are not working well after the brakes overheated on a downhill
- When the brakes are wet and not working well after you drove into a puddle or after a car wash
- Situations where the stereo camera has difficulty in recognizing objects (the following cases in particular)
 - When the front side of the stereo camera is covered with snow, frost, raindrops, and dust on the windshield, or covered under the fogged or dirty windshield
 - When glass coating agent is applied



**⚠ WARNING**

- When a film is pasted over the windshield
- When the reflections on the windshield are preventing the system from recognizing objects consistently
- When the windshield is not completely wiped dry while the front window washer is in use or right after that
- When the windshield is scratched or cracked
- When long-sized items are loaded on the roof, such as surfboards, canoes, or skis, and they are blocking the stereo camera's field of view
- When non-genuine Toyota wiper blades are installed (including the short types)
- When the system is unable to recognize objects sufficiently because raindrops or water droplets from the window washer or the wiper blades are blocking the stereo camera's field of view
- When the front side of the stereo camera is blocked with your hand
- When a shock is applied to the stereo camera, resulting in misalignment or distortion
- Bad weather (heavy rain, snowstorm, fog, etc.)
- When the vehicle approaches the preceding vehicles* or pedestrians in a dark area, such as at night, inside a tunnel or an indoor parking lot
- When the brightness has changed at the entrance or exit of a tunnel, under a tree or behind a building
- When the front side of the stereo camera is exposed to strong light from the front (such as backlight by the sun or headlight beam from oncoming vehicles)
- When strong light is reflected on the vehicles*, pedestrians, or roads
- At a curve, on a winding or sloping road
- When the road has a puddle or a layer of water
- On snowy roads or unpaved roads with uneven surfaces or tire tracks
- When the distance from the preceding vehicles* or pedestrians is extremely short
- When a vehicle* or a pedestrian cuts in or jumps in to the front of your vehicle
- When the vehicle approaches the preceding vehicles* or pedestrians during sudden acceleration or steering wheel operation
- When only a portion of the preceding vehicle is located inside the stereo camera's recognition range
- When approaching with a small difference in speed (since the control is applied after approaching, the object's end surface may fall outside the stereo camera's field of view depending on the object's shapes or sizes)



WARNING

- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When your vehicle changes lanes and approaches immediately behind the preceding vehicle*
- When the preceding vehicle's* driver turns the steering wheel all of a sudden or the preceding vehicle accelerates/decelerates rapidly
- For uniquely shaped vehicles (including transport trucks and sidecars)
- Bicycles for children or those carrying large luggage, uniquely shaped bicycles (e.g., vehicles with child restraint system, tandem bicycles, etc.)
- When the preceding vehicle's end surface is small (such as a trailer), low, or uneven
- When approaching the preceding vehicle that has a large rear window which makes the front side visible
- When the preceding vehicle is a truck without the gate body, which has no cargo
- For a vehicle of which cargo is sticking out from the rear end
- When vehicles are traveling or stopped in a diagonal or horizontal direction
- When motorcycles or bicycles are traveling in a diagonal or horizontal direction
- When the overall body contour of pedestrians or motorcycle/bicycle riders are vague (e.g. wearing a raincoat, etc.)
- For oncoming vehicles or backing up vehicles
- For a vehicle with low vehicle height
- When objects such as walls are present in front of the stopped vehicle
- When the preceding vehicle is leaning to one side due to a heavy load placed on it
- A part (head, hands or feet) of the motorcyclists, bicyclists, or pedestrians are covered with luggage, umbrellas, vehicles, or buildings, and so on
- When the stereo camera cannot recognize the motorcyclists, bicyclists, or pedestrians, as they are mixed in with the background
- When the motorcyclists, bicyclists, or pedestrians are leaning forward, bending down, lying on the ground, waving hands or running
- For short children or tall pedestrians (since the control is applied after approaching, the stereo camera may not be activated or deactivated when they are excluded from the camera's field of view depending on the pedestrians' body shape)
- When a pedestrian is carrying a large bag on the back or holding it, pushing a bicycle or a cart
- When a pedestrian is wearing a long skirt or kimono and his/her feet is not visible

⚠ WARNING

- When the stereo camera cannot recognize an object as a pedestrian such as a group of people walking
- When an obstacle exists outside the headlight's illuminated range
- When the color of the surrounding area is similar (e.g. snowy landscape)
- When there is little contrast between the object and the background (e.g., a black vehicle in a forest, a pedestrian wearing white clothes in front of a white wall, or a pedestrian wearing black clothes at night)
- Motorcycles* with small tire diameter or motorcycles* with long overall length
- When the moving speed of pedestrians, motorcycles and bicycles is fast
- When there is no driver on the motorcycles or bicycles

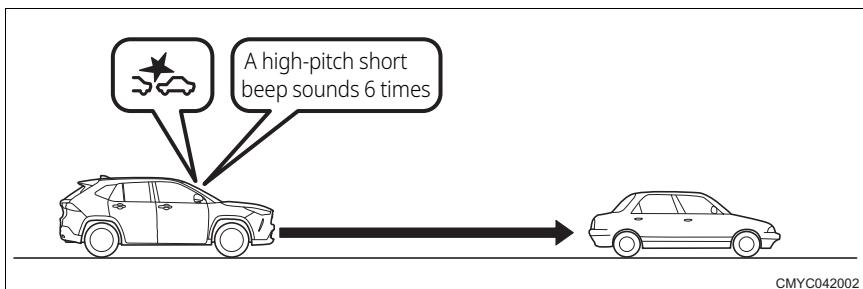
* Including motorcycles and bicycles

Activation of the pre-collision warning, pre-collision braking, and pre-collision braking assist

The system will be activated in the order specified in Step 1 through 4, alerting the driver to exercise caution and controlling the braking.

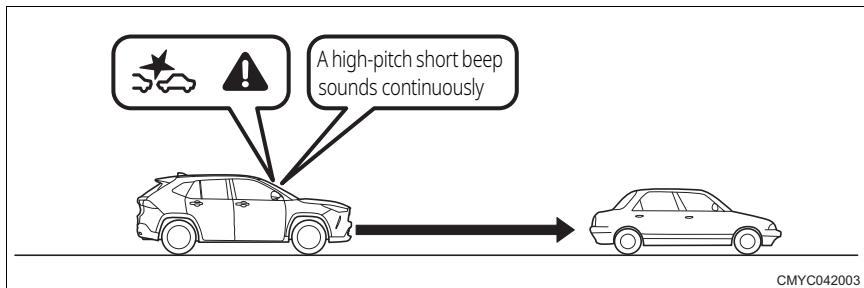
- While the system is being activated, the driver will be alerted by the buzzer, the warning light in the meter, or the display indicator to exercise caution.
- During the brake control, the stop lights and high mounted stoplight are lit.
- Stepping on the brake pedal while the brake control is being applied will activate the pre-collision braking assist. The system helps decelerate the vehicle by applying the greater force than your actual braking.

1 Pre-collision warning



When the system determines the risk of a collision with the preceding vehicle* or pedestrians, it will alert the driver by the buzzer and display indicator (→ P. 277) to take evasive action to avoid a collision.

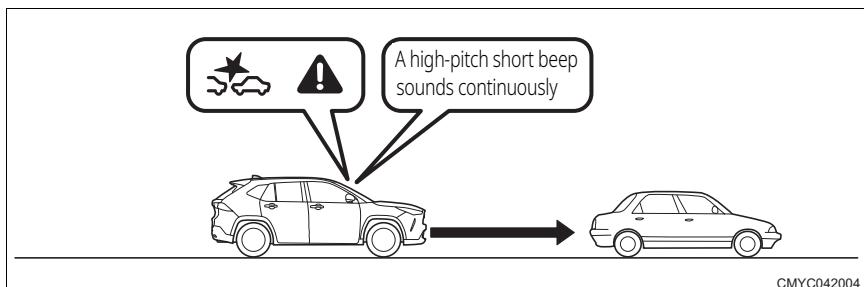
* Including motorcycles and bicycles

[2] Primary brake

When the system recognizes the preceding vehicles* or pedestrians and determines a high risk of collisions, the system will change the buzzer and apply the brake control.

- When the system does not recognize the preceding vehicles* or pedestrians, or when the driver decelerates the vehicle by stepping on the brake pedal and maintains an appropriate distance between the vehicles, the system will not apply the brake control.
- When the system determines that the driver's evasive action (such as brake pedal or steering wheel operation) has reduced the risk of collisions, the functions will be deactivated.

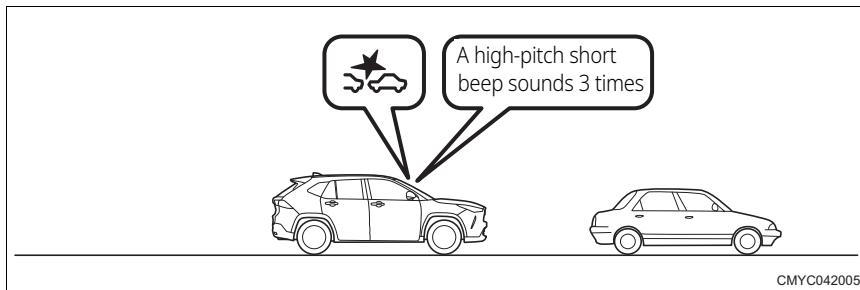
* Including motorcycles and bicycles

[3] Secondary brake

When the system determines an extremely high risk of collisions with preceding vehicles* or pedestrians, the stronger braking than the primary brake will be applied.

* Including motorcycles and bicycles

300 4-5. Using the driving support systems

④ Stop control

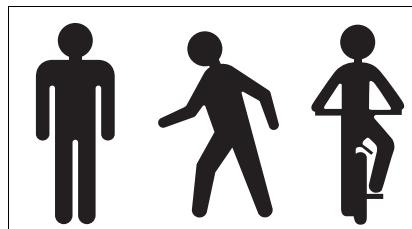
The buzzer sounds after the vehicle has been stopped. The brake control continues to be applied for up to approx. 1.5 seconds, and then the brake control will be deactivated.

Once the brake control is deactivated after the stop control, the vehicle will start moving slowly, which is known as creeping. To continue the stopped state, keep stepping on the brake pedal firmly. (Continuously variable transmission vehicles or hybrid transmission vehicles start moving slowly by creeping)

For manual transmission vehicles, when the engine stops, be calm and start the engine.

■Information about the stereo camera

The stereo camera recognizes pedestrians and drivers of motorcycles or bicycles. The system recognizes the objects by their sizes, shapes, and movements. The stereo camera recognizes them when the contours of the head and shoulders are clearly distinguishable.

**■Activation conditions of the pre-collision warning, pre-collision braking, and pre-collision braking assist**

The function is ready to be activated when your vehicle satisfies all of the following conditions:

- When the engine switch <power switch> is "ON"
- The Toyota Safety Sense OFF indicator light is off
- When the function off code "11E", "12E" or "14E" is not displayed
- When the shift lever is set in other than P (continuously variable transmission vehicles or hybrid transmission vehicles) or R

- When the vehicle travels at the activation speed or maintains the speed difference for any of the functions listed in the table below

Function	Target	Activation speed and speed difference*1
Pre-collision warning	For vehicles*2	Approx. 4 to 120 km/h (3 to 75 mph)
	For pedestrians*3	Approx. 4 to 60 km/h (3 to 38 mph)
Pre-collision braking	For vehicles*2	Approx. 4 to 120 km/h (3 to 75 mph)
	For pedestrians*3	Approx. 4 to 60 km/h (3 to 38 mph)
Pre-collision braking assist*4	For vehicles*2	Approx. 30 to 120 km/h (19 to 75 mph)
	For pedestrians*3	Approx. 30 to 60 km/h (19 to 38 mph)

*1 The speed difference between your vehicle and the preceding vehicle or pedestrian corresponds to the value of the activation speed.

*2 Including motorcycles and bicycles

*3 Works for daytime and nighttime

*4 When you step on the brake pedal while the emergency brake is being activated

4

Driving

■ Pre-collision braking

- Depending on the situation, the primary brake or the secondary brake may become activated first.
- You may hear a noise during pre-collision braking, but this noise is generated by the control and is not a malfunction.
- You may feel the pedal heavier when you step on the brake pedal during pre-collision braking, but this is not a malfunction.

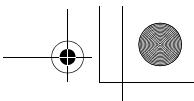
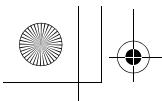
■ Pre-collision braking (manual transmission vehicles)

When the clutch pedal is not depressed during pre-collision braking, the engine may stop. When the engine stops, be calm and depress the clutch pedal and brake pedal firmly, and start the engine.

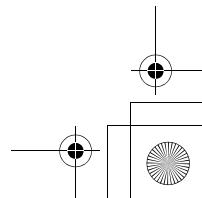
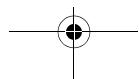
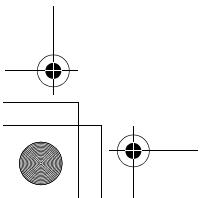
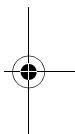
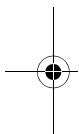
■ Situations where the pre-collision warning and pre-collision braking will be activated even without the possibility of a collision

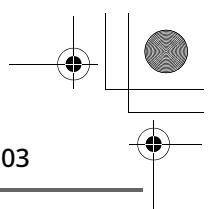
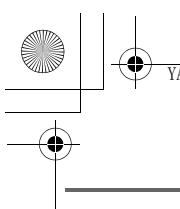
In the following cases, the pre-collision warning and pre-collision braking may become activated even without the possibility of a collision.

- When driving on a narrow road with walls or obstacles on both sides, such as narrow bridges, small tunnels, country roads, ETC gates, narrow guardrails, snowbanks and so on
- When driving your vehicle in close proximity to the preceding vehicle* or stopping your vehicle immediately before the wall ahead or the preceding vehicle*



- When passing through a parked vehicle* at an extremely close range or when an oncoming vehicle* is approaching your vehicle
- When driving an area where the road slopes suddenly change
- When passing through a mass of water vapor, fog, or smog
- When passing through plastic curtains or driving under flags
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When the optical axis of the stereo camera is out of alignment
- When using an elevator for automobiles or using a mechanical parking lot
- When the road surface has a large painted area
- When there are roadside objects, such as guardrails, signboards, or trees at a curve entrance or intersections
- When there is an oncoming vehicle* passing your vehicle at a curve
- Before the parking lot bars or railroad crossing bars are fully raised
- When the road contains a cat's eyes, utility holes, or trolley tracks while running on a downhill
- When the shadow of a sign or a road joint is present in front of you while running over bumps or steps
- When more than one preceding vehicle* appears overlapping
- When there are signboards or tree branches above the vehicle while running on an uphill
- When there are continuous patterns such as fences with vertical stripes, tiled walls, clothes with vertical stripes and so on
- When the preceding vehicle's turn signal light, emergency flashers, or stop lights have turned on
- When there is a puddle or a slippery road, or when the body mirror surface reflects the background or light
- When there is light shining in from the outside
- When there are objects moving in parallel, such as a vehicle* and a vehicle*, a vehicle* and a pedestrian, a pedestrian and a pedestrian, or distant light objects
- When pedestrians or objects as large as the pedestrians are lined up on the side of a path
- When two objects are swapped against each other, such as pedestrians passing by one another, preceding vehicles* swapping their lanes and so on
- When the rear side has a difference from the front and back area, such as dump trucks, empty trucks, a person carrying a suitcase, and so on





- For complex-shaped vehicles*
- When a pedestrian crossing a road stops right in front of your vehicle
- When there are flags or tree branches swaying by the wind or swaying clothes

* Including motorcycles and bicycles

■ How to deactivate the pre-collision warning and pre-collision braking

→ P. 274

■ Customizations

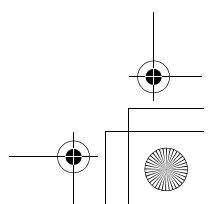
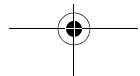
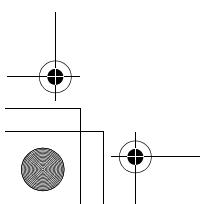
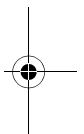
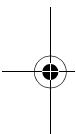
The settings for the pre-collision warning can be changed.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 118)



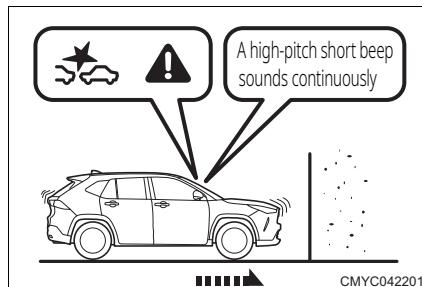
Driving



Pedal misoperation control (front)*

The pedal misoperation control is designed to help the driver avoid collisions and mitigate damage from collisions by warning the driver with the buzzer, meter and display indicator (→ P. 277) while controlling the engine <hybrid system> output suppression and brake operation. This function will be activated when the system detects an obstacle ahead of the vehicle, or when it determines that the driver has stepped on a wrong pedal, such as when the accelerator pedal has been depressed more than necessary while the vehicle is stopped or moving slowly (approx. 10 km/h [6 mph] or less).

The system will be activated when the stereo camera recognizes an obstacle within approx. 4 m (13.1 ft.) ahead.

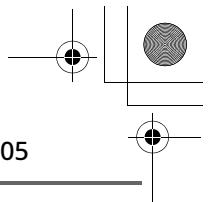
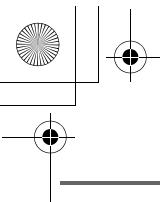


WARNING

■ Pedal misoperation control (front)

- Do not overly rely on the pedal misoperation control. The pedal misoperation control is not designed to avoid all collisions or mitigate damage from collisions in all circumstances. Before you start moving the vehicle, make sure to check the shift lever and pedal positions, and confirm the safety around you. Completely relying on the function could lead to serious injury or death.
- The pedal misoperation control is not designed to keep the vehicle stopped. Even if the function is activated, your vehicle may start to move on a steep slope, causing an unforeseen accident.
- The pedal misoperation control will be activated only when the system has recognized an obstacle ahead the vehicle. This function will not be activated in situations where the objects are not visible, such as cliffs.
- Do not deliberately step hard on the accelerator pedal near an object. If you completely rely on the pedal misoperation control and let the function adjust the acceleration, it could lead to a collision accident.

*: If equipped



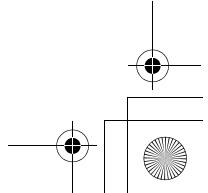
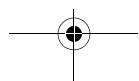
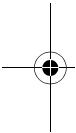
WARNING

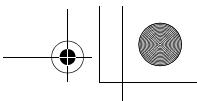
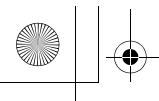
- In case your vehicle gets trapped inside a railroad crossing, the pedal misoperation control may be activated when the stereo camera recognizes the crossing gate as an obstacle. If you move the vehicle through the crossing gate, be calm and keep stepping on the accelerator pedal or turn off the Toyota Safety Sense. (→ P. 274)
- When the driver is maneuvering the steering wheel, the pedal misoperation control may not be activated depending on the maneuvering state if the system determines it as the driver's evasive action.
- When TRC is stopped, or when VSC/TRC is stopped, the pedal misoperation control will not be activated.
- When the engine power <hybrid system output> suppression control is activated, stepping on the accelerator pedal consecutively for approx. 8 seconds and longer will deactivate the control. If you quickly step on the accelerator pedal all the way for 3 times or more, the pedal misoperation control will not be activated.
- If the brake control is activated, the pedal misoperation control will not be activated for a certain period.
- Make sure to wear the seat belt. Make sure to have the passengers wear them as well. Failure to wear the seat belt correctly could lead to dangerous situations when the brake control is activated. (→ P. 32)

■ Situations where the pedal misoperation control (front) will not be activated properly

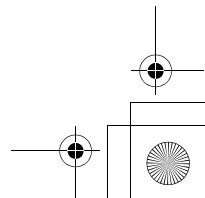
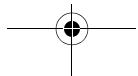
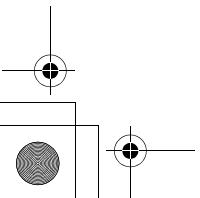
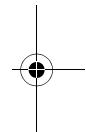
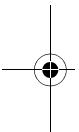
Due to differences in the following conditions, the pedal misoperation control (front) may not be activated, or the vehicle fails to stop in time even when the brake control is applied.

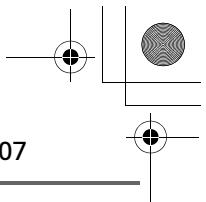
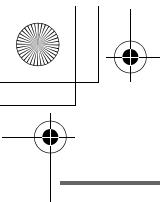
- Speed difference from the preceding obstacle, distance between vehicles, approaching conditions, lateral displacement (e.g., there is no obstacle in front of your vehicle)
- Vehicle conditions (load capacity, occupants, etc.)
- Road conditions (slopes, slipperiness, shape, unevenness, etc.)
- When the system has determined that the driver has taken evasive action judging from the driver's maneuvering state (such as accelerator/brake pedal operation and steering wheel handling)
- Vehicle's maintenance conditions (brake-related issues, worn out tires, inflation pressure, driving on a spare tire, etc.)
- Sudden cut-in of a vehicle or a motorcycle, a pedestrian suddenly stepping in
- Immediately after starting the engine <hybrid system>



**⚠ WARNING**

- When the vehicle is significantly tilted by carrying a heavy load or standing on a bump, or when the vehicle height has significantly changed
- Distance from the preceding obstacle, orientation, and lateral displacement (e.g., there is no obstacle in front of your vehicle)
- When driving on a steep slope
- When the brakes are cold because the outside temperature is low or right after you started driving
- When the brakes are not working well after the brakes overheated on a downhill
- When the brakes are wet and not working well after you drove into a puddle or after a car wash
- Situations where the stereo camera has difficulty in recognizing objects (the following cases in particular)
 - Bad weather (heavy rain, snowstorm, fog, etc.)
 - When the vehicle was exposed to strong light from the front (such as backlight by the sun or headlight beam from oncoming vehicles)
 - When the windshield is fogged or dirty because it is covered with snow, frost, raindrops, dust, and so on
 - When the stereo camera temperature is extremely high
 - When the vehicle approaches an obstacle at night or while it is dim such as during evenings or early mornings
 - When the vehicle approaches an obstacle in a dark area such as an indoor parking lot
 - When an obstacle exists outside of the headlight illuminated range
 - When the system is unable to recognize obstacles sufficiently because raindrops or water droplets from the window washer or the wiper blades are blocking the stereo camera's field of view
 - When long-sized items are loaded on the roof, such as surfboards, canoes, or skis, and they are blocking the stereo camera's field of view
 - When the vehicle is significantly tilted due to a heavy load placed on the vehicle
 - When water splashes or drifting snow whirls up from vehicles ahead of you
 - When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
 - When driving on rough roads such as unpaved roads or those with uneven surfaces
 - When an obstacle is a thin bar-like object, such as road signs or poles

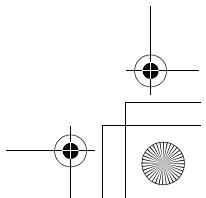
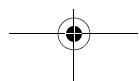
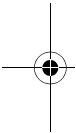


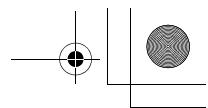
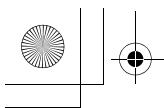
**⚠ WARNING**

- When an obstacle is present in a position extremely close to the vehicle but deviated from the center of the vehicle
- When your vehicle changes the route and approaches an obstacle from immediately behind of it
- Sharp corners, steep ascending/descending slopes
- An obstacle exists outside of the stereo camera's recognition range
- When the height of an obstacle is low (e.g., low walls, low guardrails, low-height vehicles, curbstones)
- Persons who are squatting or lying down
- Small obstacles (including small animals and infants)
- When the closest surfaces or the most rear surfaces of obstacles or preceding vehicles (including trailers and oncoming vehicles) are too small; when your vehicle approaches too close to an obstacle (the system recognizes the area that is not closest to your vehicle and may not produce the desired effect)
- When the obstacle is a fence or an item with a uniformed pattern (such as stripes or bricks) or a plain wall or shutter
- When the obstacle is a glass or mirror wall or a door
- When a vehicle, a motorcycle, a bicycle, or a pedestrian cuts in or jumps in from the side to the front of your vehicle

■ Brake control

When the brake control feature is activated, strong braking will be applied. Since the brake control is deactivated approximately 1.5 seconds after the vehicle has stopped, step on your brake pedal immediately.





Activation of the pedal misoperation control

■ Warning

When the system determines that the accelerator pedal has been stepped on stronger than necessary while the vehicle moves at approx. 4 km/h (3 mph) or slower, the buzzer and display indicator (→ P. 277) will warn and alert the driver to take action for avoiding a collision.

■ Engine power <hybrid system output> suppression control

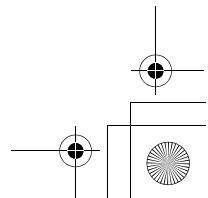
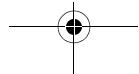
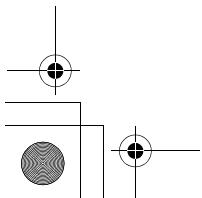
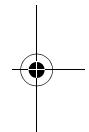
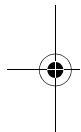
When the system determines that the accelerator pedal has been stepped on quickly and stronger than necessary while the vehicle moves at approx. 10 km/h (6 mph) or slower, the buzzer, the warning light in the meter, and the display indicator (→ P. 277) will warn the driver, and the engine power <hybrid system output> suppression control will be applied.

- The engine power <hybrid system output> suppression control continues to be applied for up to 8 seconds as long as the accelerator pedal is depressed.
- While the engine power <hybrid system output> suppression control is being applied, the master warning light in the meter lights up.

■ Brake control

If the driver keeps stepping on the accelerator pedal even with the engine power <hybrid system output> suppression control being applied, and if the system determines that a collision with an obstacle is unavoidable, the buzzer, the warning light in the meter, and the screen display (→ P. 277) will warn the driver and the brake control is applied.

- During the brake control, the stop lights and high mounted stoplight are lit.
- After the vehicle has been stopped, the brake control continues to be applied for up to approx. 1.5 seconds. Then, the brake control will be deactivated. Step on your brake pedal immediately.



■ Activation conditions of the pedal misoperation control

The function is ready to be activated when your vehicle satisfies all of the following conditions:

- The engine is running <The hybrid system is started>
- The Toyota Safety Sense OFF indicator light is off
- The brake pedal is not stepped on
- When the vehicle speed is approx. between 0 and 10 km/h (0 and 6 mph)
- The turn signal indicator is off
- The VSC OFF indicator and TRC OFF indicator in the meter are both off
- The shift lever is set to D, S, or M (continuously variable transmission vehicles or hybrid transmission vehicles)
- When the shift lever is set in other than R (manual transmission vehicles)
- When the function off code "11E", "12E" or "14E" is not displayed

■ Brake control

- You may hear a noise during brake control, but this noise is generated by the control and is not a malfunction.
- You may feel the pedal heavier when you step on the brake pedal during brake control, but this is normal.

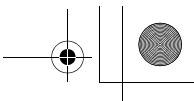
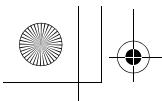
■ Brake control (manual transmission vehicles)

When the clutch pedal is not depressed during brake control, the engine may stop. When the engine stops, be calm and depress the clutch pedal and brake pedal firmly, and start the engine.

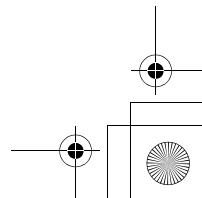
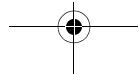
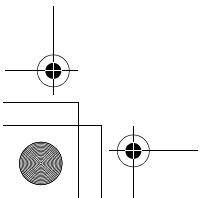
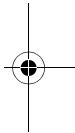
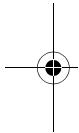
■ When the pedal misoperation control (front) is activated without the possibility of a collision

In the following cases, the pedal misoperation control (front) may be activated even without the possibility of a collision.

- When driving your vehicle in close proximity to the preceding vehicle or stopping your vehicle immediately before the preceding obstacle
- When driving an area where the road slopes suddenly change
- When passing through a mass of water vapor, fog, or smog
- When passing through plastic curtains or driving under flags
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When passing through a parked vehicle at an extremely close range or when an oncoming vehicle is approaching your vehicle
- When using an elevator for automobiles or using a mechanical parking lot



- When the road surface has a large painted area, bumps, curbstones, or protrusions, or when the ground surface has tire tracks and holes
- When roadside objects, such as guardrails and signboards, are present at the curve entrance
- When there is an oncoming vehicle passing your vehicle at a curve
- When an obstacle is present at a curve or an intersection
- When merging into a main lane from parallel parking
- Before the parking lot gate or railroad crossing bars are fully raised
- When the vehicle is loaded on an auto transport truck
- When driving on a riverbed or driving through thick grass or a clump of trees
- When parallel parking the vehicle
- When driving over a bump with an obstacle in front of the vehicle
- When there is an obstacle near the side of the vehicle
- When entering into a tight space
- During pouring rain or when water splashes over the vehicle
- Bad weather (heavy rain, snowstorm, fog, sandstorm, etc.)
- When the vehicle body has been considerably tilted
- When the vehicle height has significantly changed by the load conditions, etc.
- When driving on a gravel road or a metal lid (grating) over a gutter, etc.

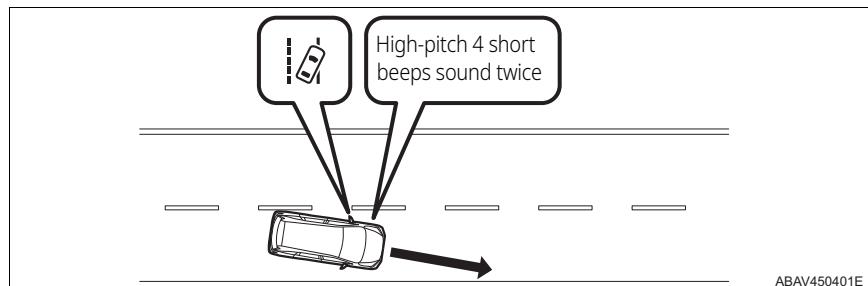


Lane Departure Warning*/Lane departure prevention*

The Lane Departure Warning and the lane departure prevention use the stereo camera installed on the top of the windshield to recognize the white (yellow) lines on the right and left sides of the vehicle, and they will be activated when the system determines that the driver may unintentionally depart from the drive lane while the vehicle maintains the speed of approx. 60 km/h (37 mph) or more.

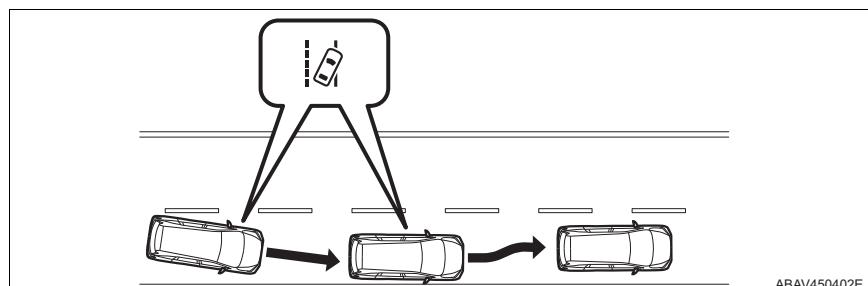
- The Lane Departure Warning will warn the driver with the buzzer, the indicator in the meter, or the display indicator (→ P. 277) to make the driver aware of the situation.
- The lane departure prevention is designed to assist a part of the steering wheel handling necessary to avoid a departure from the car lane by adding a small steering force to the steering wheel in a short period. It also alerts the driver by the indicator in the meter or the display indicator (→ P. 277) to make the driver aware of the situation.

► Lane Departure Warning



ABA V450401E

► Lane departure prevention

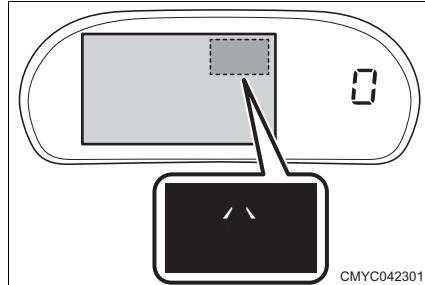


ABA V450402E

*: If equipped

Lane recognition indicator

- It lights up when the camera recognizes white (yellow) lanes on the sides at approximately 50 km/h (31 mph) or faster.
- When a departure from the car lane is detected, the indicator that recognizes the departure starts flashing.
- The indicator can be displayed on the mini driving assist screen (→ P. 113) or basic screens (→ P. 114).



⚠ WARNING

■ Lane Departure Warning and lane departure prevention

- The Lane Departure Warning and the lane departure prevention are not designed to prevent the vehicle from deviating from the car lane. Note that these functions are not designed to assist the driver's lack of attention for not looking ahead carefully by getting distracted or not focusing on the road, or not designed to help improve poor visibility due to rain or fog, and so on. If you completely rely on the Lane Departure Warning and the lane departure prevention to keep your vehicle stay in the car lane could lead to a lane departure accident, resulting in serious injury or death.
- If the Lane Departure Warning or the lane departure prevention is activated, take appropriate action such as maneuvering the steering wheel according to the surrounding conditions.
- The Lane Departure Warning and the lane departure prevention are not designed to work by recognizing the road edges, such as shoulders or gutters.

■ Lane Departure Warning

- When the lanes are not clearly visible or not straight, the Lane Departure Warning may not be activated.
- Do not attempt to test if the Lane Departure Warning will be activated.

WARNING

■ Lane departure prevention

- Depending on the vehicle speed or road conditions, the driver may not feel that the lane departure prevention is activated, or the lane departure prevention may not be activated, or the driver may feel that the control timing is different from what was expected.
- Do not attempt to test if the lane departure prevention will be activated.

■ When the Lane Departure Warning and lane departure prevention will not be activated

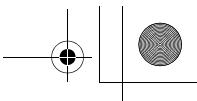
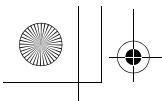
In the following conditions, the Lane Departure Warning and lane departure prevention may not be activated.

- When not driving in a car lane
- When driving over the inner area of a curve
- When the car lane width is too narrow or too wide
- When using the turn signal lever
- When the system determines that the driver is trying to avoid a collision, judging from the driver's sudden steering, etc.
- When the steering wheel is vibrating abnormally or feels heavier than normal
- When the steering wheel is replaced with a non-Toyota genuine product or accessories are installed

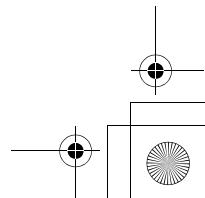
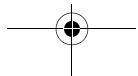
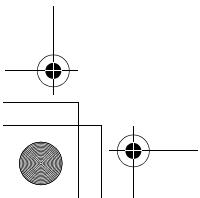
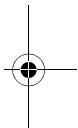
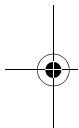
■ Situations where the Lane Departure Warning or the lane departure prevention will not be activated or will be activated inappropriately

In the following conditions, the Lane Departure Warning or the lane departure prevention may not be activated or will be activated inappropriately since white (yellow) lines are not properly recognized.

- When the system cannot distinguish between the white (yellow) lines and road surface, or the lines are not clear as they are worn off or dirty
- When white (yellow) lines are not visible due to bad weather (heavy rain, snowstorm, fog, sandstorm, etc.)
- When the road is wet or covered with snow
- When the vehicle is exposed to strong light from the front (such as backlight by the sun or headlight beam from oncoming vehicles) or strong light is reflected on the road
- When the brightness changes at the entrance or exit of a tunnel, under a tree or behind a building
- When the road is wet and shiny after rain or when there is a puddle
- When you drive through the shadows of trees or buildings, or when the shadows of guardrails or other structures are reflected on the road

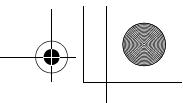
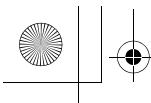
**⚠ WARNING**

- When traveling on a road without streetlights at night
- Road conditions (the following cases in particular)
 - When driving in a section where lane restrictions apply or temporary lanes exist
 - When the roads have asphalt seams or linear repair marks, blurred or overlapping white (yellow) lines due to road repairs or old white (yellow) lines remaining, or when there are tire tracks
 - When driving in a section where the number of lanes has increased or decreased, such as at an intersection or pedestrian crossing, or a section containing complex crossing lines
 - When the lane width is too narrow or too wide, or is changing
 - When a part of the white (yellow) line is concealed by a vehicle or when the lane width is too narrow
 - When the vehicle is approaching the top of a slope or a hill
 - When the vehicle shakes considerably due to steps and so on
 - When objects on the road (such as curbstones, guardrails, and cones) are recognized as white (yellow) lines
 - When the lanes appear distorted on a winding road or it is not possible to see ahead
 - When driving on unpaved or rough roads
 - When driving on a road where the car lane or lane marking is drawn as dual lines
 - When driving on slippery road surfaces, such as frozen or snow-covered roads
 - When slippery roads or snow-covered roads have tire tracks
 - When driving through branching or merging lanes
 - When driving on a road with a sharp curve
 - When the curve shapes change
 - When the road surface has a linear paint marking, such as a former division lane that was not completely erased in a construction area



 **WARNING**

- Situations where the stereo camera has difficulty in recognizing objects (the following cases in particular)
 - When the outside of the windshield is covered with dirt, mud, or wet snow
 - When long-sized items are loaded on the roof, such as surfboards, canoes, or skis, and they are blocking the stereo camera's field of view
 - When the inside of the windshield is foggy
 - When the windshield is not completely wiped dry while the front window washer is in use or right after that
 - When the vehicle is leaning to one side with a heavy load on it
 - When there is not enough distance between your vehicle and the preceding vehicle
 - When your vehicle is not traveling straight against the white (yellow) line
 - When the stereo camera has become hot
- When driving in areas where there is no white (yellow) line, such as right before the toll gate or ticket checkpoint, or at intersections
- When the white (yellow) lines are blurry or when there are cat's eyes (road studs) or stones
- When the lane is yellow (compared to white lines, the recognition rate may be degraded)
- When driving on a bright road such as a road made of concrete
- When driving in an area illuminated by reflected light
- When the vehicle is affected by side winds
- When the vehicle is affected by winds generated from vehicles traveling around you
- Right after changing lanes
- When using winter tires
- When driving at an excessively high speed
- When a vehicle cuts in from the next lane
- When there is a curbstone or sidewall on the shoulder of a road
- When the preceding or opposing vehicles have splashed water or drifted snow or dirt; when sands, smoke, and water vapor are floating in front of your vehicle
- When white (yellow) lines are drawn on curbstones, etc.
- When the headlights are turned off at night or inside a tunnel, or when the light emission is weak due to dirty lenses, or the optical axis is out of alignment
- When the vehicle rapidly approaches lane marking
- When the color of the surrounding area is similar, such as snowy landscape



■ Activation conditions of the Lane Departure Warning

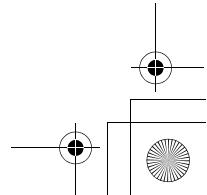
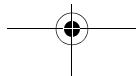
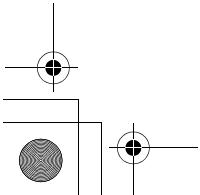
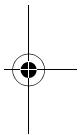
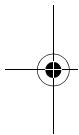
The function is ready to be activated when all of the following conditions are satisfied:

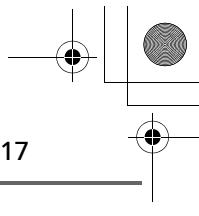
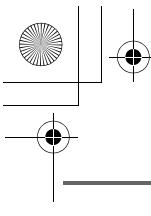
- When the engine switch <power switch> is "ON"
- When the vehicle speed is approx. 60 km/h (37 mph) or greater
- When the Lane Departure Warning OFF indicator is turned off
- When the function off code "11E", "12E" or "14E" is not displayed
- When the turn signal indicator is off (The function will not be activated for approx. 4 seconds after the turn signal indicator has turned off)
- When the driver is not maneuvering the steering wheel suddenly
- When driving on a straight or gently curved road
- When the system recognizes white (yellow) lanes on the sides
- When the car lane in which the vehicle is traveling is approx. between 3 m and 4 m (9.8 and 13.1 ft.)

■ Activation conditions of the lane departure prevention

The function is ready to be activated when all of the following conditions are satisfied:

- When the engine switch <power switch> is "ON"
- When the vehicle speed is approx. 60 km/h (37 mph) or greater
- When ABS, VSC, or TRC is not activated
- When the pre-collision braking is not activated
- When the pedal misoperation control is not activated
- When the Lane Departure Warning OFF indicator is turned off
- When the VSC OFF indicator and TRC OFF indicator in the meter are both turned off
- When the function off code "11E", "12E" or "14E" is not displayed
- The turn signal indicator on the deviated side is off (The function will not be activated for approx. 1 second after the turn signal indicator has turned off)
- In the TFT color multi-information display settings (→ P. 123), "Steering Assist" is set to ON
- The brake pedal is not stepped on
- When there is no acceleration or deceleration above a certain level
- When the shift lever is set to D (continuously variable transmission vehicles or hybrid transmission vehicles)
- When the shift lever is set in other than R (manual transmission vehicles)
- When the driver is not maneuvering the steering wheel suddenly
- When driving on a straight or gently curved road
- When the system recognizes white (yellow) lanes on the sides
- When the car lane in which the vehicle is traveling is approx. between 3 m and 4 m (9.8 and 13.1 ft.)





■ Temporary deactivation of the functions

When the activation conditions (→ P. 316) are no longer satisfied, the functions will be temporarily deactivated, but when the activation conditions are satisfied again, the functions will be restored automatically.

■ Lane Departure Warning

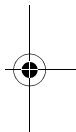
Depending on the noise outside or audio sound, you may have difficulty hearing the buzzer.

■ Lane departure prevention

- The lane departure prevention is activated earlier than the Lane Departure Warning. If the system detects that the vehicle is traveling on a curve, the function may be activated earlier than traveling on a straight road.
- The lane departure prevention's steering assist feature can be corrected by the driver's steering.
- If the lane departure prevention has been activated continuously for approx. 7 seconds or longer, the buzzer will sound.

4

Driving



■ Warning for hands-off driving

When the lane departure prevention has been activated twice or more within approx. 3 minutes while the system is detecting that the driver is not holding the steering wheel, the hands-off warning light will turn on, alerting the driver to grip the steering wheel. When you use the system, always hold the steering wheel firmly regardless of the warning being issued.

- The message appears on the TFT color multi-information display.
- If the driver continues to keep their hands off from the steering wheel and let the steering assist feature maneuver, a buzzer to alert the driver will sound. As the number of steering assist activations increases, the duration of the buzzer becomes longer.
- If the driver continues to operate the vehicle without sufficient steering, the driver will be alerted as well.

■ How to stop the Lane Departure Warning/lane departure prevention

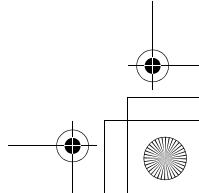
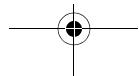
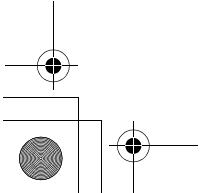
→ P. 275

■ Customizations

You can change the settings of the Lane Departure Warning and the lane departure prevention.

(List of customizable features: → P. 588)

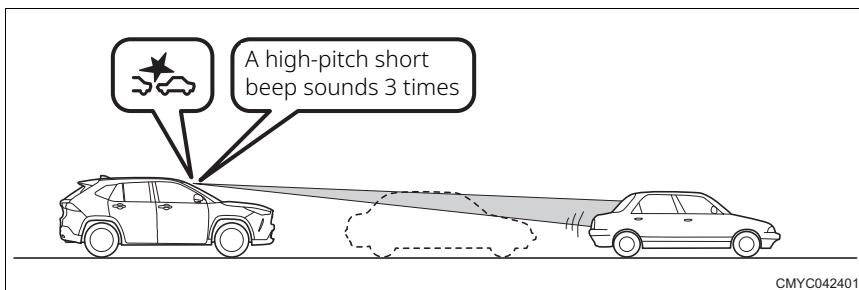
(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 118)



Front departure alert*

The front departure alert notifies the driver with the buzzer and display alert (→ P. 277) if the driver's vehicle remains stopped after the preceding vehicle has started moving.

This function will be activated when the driver's vehicle remains stopped behind the preceding vehicle (the distance between the vehicles is within approx. 10 m (32.8 ft.) and the driver's vehicle remains stopped for a while) or when the driver's vehicle does not start moving after the preceding vehicle has moved approx. 3 m (9.8 ft.) away.



WARNING

■ Front departure alert

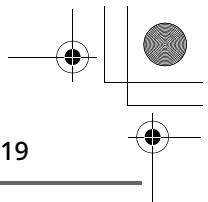
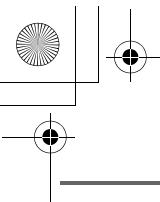
This function is not designed to notify the drivers of the conditions where the vehicle can start moving safely or when the preceding vehicle has started moving in every situation. Do not rely on the front departure alert. Make sure to confirm the safety around you when driving.

■ Activation conditions of the front departure alert

The function is ready to be activated when your vehicle satisfies all of the following conditions:

- When the engine switch <power switch> is "ON"
- The Toyota Safety Sense OFF indicator light is off
- When the function off code "11E", "12E" or "14E" is not displayed
- When the shift lever is set to D, S, or M with the brake pedal depressed, or the shift lever is set to N, or the shift lever is set to D, N, or sequential shift (S/M range) and the vehicle is stopped with the brake hold applied. (continuously variable transmission vehicles or hybrid transmission vehicles)
- When the shift lever is set in other than R with the brake pedal depressed (manual transmission vehicles)
- When several seconds elapsed since the vehicle has stopped

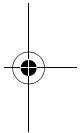
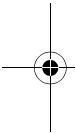
*: If equipped



■Situations where the front departure alert does not work normally

In the following situations, the function may get activated even without a preceding vehicle moving, the activation may be delayed even when the preceding vehicle has moved, or the function may not even be activated.

- When a motorcycle cuts in between your vehicle and the preceding vehicle that has stopped
- When a pedestrian has passed between your vehicle and another vehicle stopped in front of you
- When it is difficult to recognize the preceding car due to weather or road shapes
- When the stereo camera has lost the preceding vehicle
- When lateral displacement exists (e.g., the preceding vehicle is not located in front of your vehicle)
- If the preceding vehicle is moving when your vehicle has stopped
- When the distance from the preceding vehicle is extremely short
- When the preceding vehicle starts moving suddenly or makes a sharp turn
- When the preceding vehicle is a uniquely shaped vehicle (including transport trucks and sidecars)
- When the preceding vehicle's end surface is small (such as a trailer), low, or uneven
- When the preceding vehicle has a large rear window which makes the front side visible
- When the preceding vehicle is a truck without the gate body, which has no cargo
- When the preceding vehicle has a load sticking out from the back end
- When the preceding vehicle's height is low
- When your vehicle is stopped in a diagonal or horizontal direction
- When your vehicle is stopped with the steering wheel turned all the way
- When driving on rough roads such as unpaved roads or those with uneven surfaces



■How to stop the front departure alert

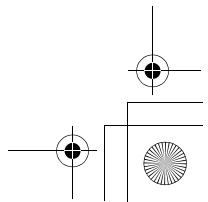
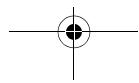
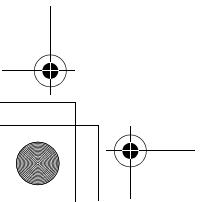
→ P. 274

■Customizations

The buzzer volume and timing setting can be changed.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 118)



Adaptive Cruise Control*

In the vehicle-to-vehicle distance control mode, the Adaptive Cruise Control automatically accelerates, decelerates and stop your vehicle according to the speed of the preceding vehicle without the driver having to step on the accelerator pedal.

In the constant speed control mode, it makes your vehicle travel at a constant speed.

Use this feature on freeways and highways.

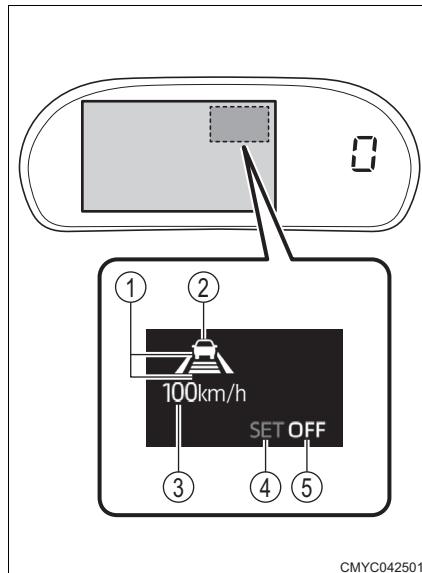
System components

■ Driving assist screen

The display position changes by switching the basic screen. (→ P. 114)

① Set vehicle distance

Displays the set vehicle distance between the vehicles.



CMYC042501

② Preceding vehicle indicator

While in the vehicle-to-vehicle distance control mode, this indicator appears when the preceding vehicle is recognized.

The indicator flashes in any of the following situations:

- When the approach warning (→ P. 331) is activated
- When the system has no longer recognized a vehicle ahead of you, and the control was deactivated automatically

*: If equipped

③ Set vehicle speed

Displays the set vehicle speed.

The indicator flashes in any of the following situations:

- When the control was deactivated automatically
- When the -SET switch or the + RES switch was pressed without satisfying the setting conditions (→ P. 336) while the system is turned ON in the vehicle-to-vehicle distance control mode

④ ACC SET indicator

Appears while the vehicle is in the vehicle-to-vehicle distance control mode or the constant speed control mode.

⑤ ACC OFF indicator

Lights up when the activation is not possible because the function is disabled.

The indicator flashes in any of the following situations:

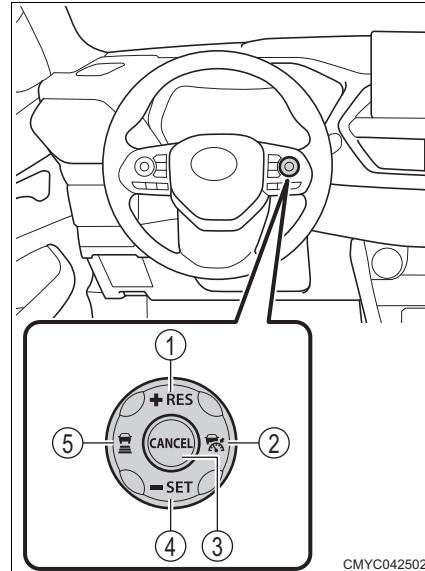
- When the control was deactivated automatically
- When the -SET switch or the + RES switch was pressed without satisfying the setting conditions (→ P. 336) while the system is turned ON in the vehicle-to-vehicle distance control mode

4

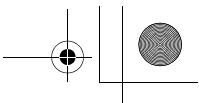
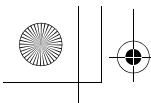
Driving

■ Control switches

- ① +RES switch
- ② ACC main switch
- ③ Cancel switch
- ④ -SET switch
- ⑤ Set vehicle distance switch



CMYC042502



WARNING

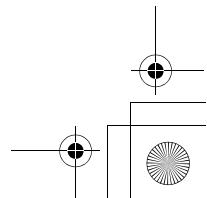
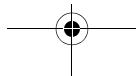
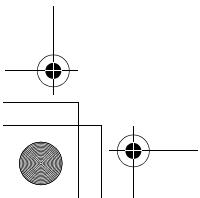
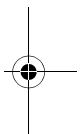
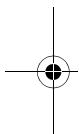
■ For safe use

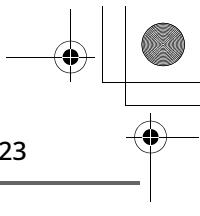
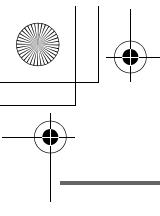
- The driver is responsible for driving the vehicle safely. The driver should not completely rely on the system. It is the driver's responsibility to drive safely by consciously being aware of the situations around the vehicle.
- The range of the assist is limited, since the Adaptive Cruise Control is designed to assist a part of the driver's operations and reduce the burden of driving.
- The set vehicle speed should be set accordingly in consideration of the speed limit, traffic flow, road conditions, weather and other factors. The driver is responsible for checking the set vehicle speed.
- Even when the system is running normally, the situation of the preceding vehicle recognized by the driver may be different from that detected by the system. Therefore, the driver must pay attention to ensure safety and determine risks. If the driver relies on the system or lets the system control the safety, it could lead to an unforeseen accident, resulting in serious injury or death.
- If you do not use the Adaptive Cruise Control, push the ACC main switch and turn off the system.
- When you use the Adaptive Cruise Control, always check the indicator in the meter to verify which mode is selected, the vehicle-to-vehicle distance control mode or the constant speed control mode.

■ Precautions on the system assist features

As the system assist features have their limitations, be aware of the points listed below. Overly relying on the system could lead to an unforeseen accident, resulting in serious injury or death.

- The Adaptive Cruise Control only detects the distance between your vehicle and the set preceding vehicle. It is not the system designed to allow the driver to get distracted or pay little attention to driving or is not designed to help driving under poor visibility. The driver needs to be aware of the situation around the vehicle.
- The Adaptive Cruise Control is not designed to prevent a collision with the preceding vehicle. Therefore, it is the driver's responsibility to ensure safety in case of danger.
- The Adaptive Cruise Control detects if the distance between your vehicle and the set preceding vehicle is appropriate but makes no other decisions. Therefore, it is the driver's responsibility to determine if there is a danger and make decisions to ensure safety.

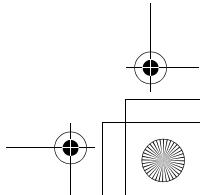
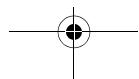
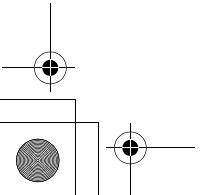
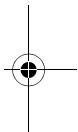
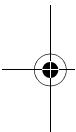


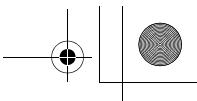
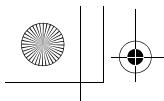
**WARNING**

- The Adaptive Cruise Control has its limitations in their abilities to make decisions based on the situations. In the following cases, the system may not decelerate the vehicle in time. The driver should decelerate the vehicle by stepping on the brake pedal as needed.
 - When there is a large speed difference, even the system recognizes the preceding vehicle, or when the preceding vehicle has decelerated suddenly
 - Even when your vehicle is gradually decelerating slowly while following the preceding vehicle, but the preceding vehicle suddenly decelerates
- It does not decelerate for vehicles that stopped at the last line of a toll gate or a traffic jam. Be aware of these situations and watch carefully.
- The driver cannot let go off the steering wheel. The driver should always hold the steering wheel and drive safe.
- In the constant speed control mode, the approach warning will not be activated.

■ Adaptive Cruise Control

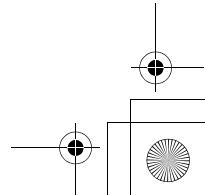
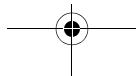
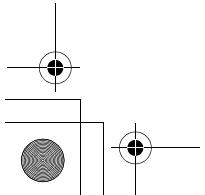
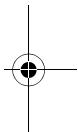
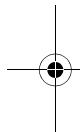
- If the patterns of the road or wall surfaces or the shapes of roadway structures (tunnels, viaducts, traffic signs, reflectors installed on the side of the vehicle, reflective sheets, guardrails) are similar to the characteristics of a vehicle's contour or the size or positions of a vehicle's tail lights, the brake control and approach warning may become activated.
- Braking will not work as intended depending on the conditions and situations listed below. The driver should decelerate the vehicle by stepping on the brake pedal as needed.
 - Vehicle conditions (load capacity, occupants, etc.)
 - Road conditions (slopes, slipperiness, shape, unevenness, etc.)
 - Vehicle's maintenance conditions (brake-related issues, worn out tires, inflation pressure, etc.)
 - When the brakes are cold because the outside temperature is low or right after you started driving
 - When driving for a little while after starting the engine <hybrid system> (until the end of the warm-up)
 - When the brakes are not working well after the brakes overheated on a downhill
 - When the brakes are wet and not working well after you drove into a puddle or after a car wash
- In the constant speed control mode, make sure to keep a sufficient vehicle distance.
- In the constant speed control mode, no acceleration or brake control will be applied according to the preceding vehicle. You should step on the accelerator pedal or the brake pedal as needed.

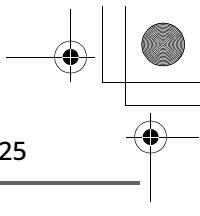
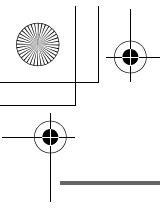


**WARNING****Situations where the Adaptive Cruise Control should not be used**

Do not use the Adaptive Cruise Control in the situations listed below. Doing so could compromise the ability to exercise proper control and lead to an unforeseen accident, resulting in serious injury or death.

- When the approach warning beeps frequently
- Roads shared with pedestrians and bicycles
- Busy roads
- General roads (other than expressways)
- Roads with sharp corners
- Curvy roads
- On slippery road surfaces, such as frozen or snow-covered roads, or during rain
- Traffic conditions where you need to repeat acceleration and deceleration frequently
- Downhills or hills with varying slopes
 - On a downhill, the vehicle speed may increase more than the set speed.
 - The vehicle stop control may not work on a steep uphill/downhill.
- When entering a toll gate, an interchange, a rest stop, or a rest area on highways
- When the brightness changes at the entrance or exit of a tunnel
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- Roads where the car lane is extremely close to roadway structures (such as walls, guardrails, poles, curbstones)
- Bad weather (heavy rain, snowstorm, sandstorm, etc.)
- When the position from the preceding vehicle is deviated to the side
- When the distance between your vehicle and the preceding vehicle is extremely short
- When your vehicle is meandering inside the car lane
- When the road has unpaved areas or uneven surfaces
- When the headlights are off inside a tunnel or at night
- When the preceding vehicle's tail lights are off inside a tunnel or at night
- When the vehicle is exposed to strong light from the front (such as backlight by the sun or headlight beam)



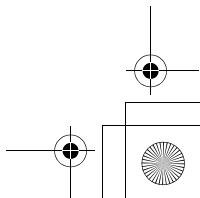
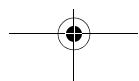
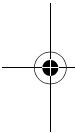


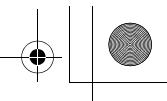
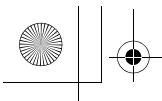
WARNING

■Situations where the vehicle-to-vehicle distance control mode may not work properly

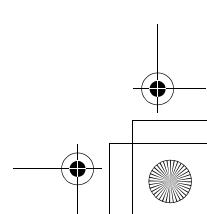
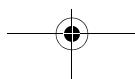
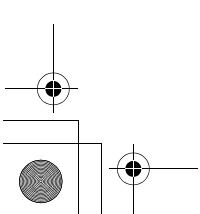
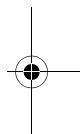
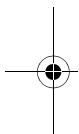
In the following situations, the stereo camera cannot detect vehicles normally, preventing the system from functioning normally. The driver should decelerate the vehicle by stepping on the brake pedal as needed (or accelerate by stepping on the accelerator pedal in some cases).

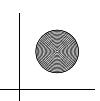
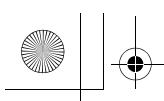
- When another vehicle suddenly cuts in
- When the preceding vehicle brakes suddenly
- When the preceding vehicle is moving at a slow speed
- When the preceding vehicle is difficult to distinguish from the background as the vehicle color is similar to the background
- When the preceding vehicle is located near road markings (such as a pedestrians' crossing sign or speed limit sign on a road)
- When the preceding vehicle is located near a puddle (such as when the surrounding landscape is reflected on the puddle)
- When the preceding vehicle is overlapping with the shadows of buildings or street trees
- When water vapor or smoke is present between your vehicle and the preceding vehicle
- When the preceding vehicle fits the following description:
 - A vehicle with the rear section that is too small (such as a trailer without a cargo)
 - A truck without the gate body, which has no cargo
 - A vehicle of which cargo is sticking out from the rear end
 - A uniquely shaped vehicle (such as a transport truck and a sidecar)
 - A vehicle of which tires are not visible due to the shape of the bumper, etc.
 - A vehicle of which distance from the rear tires to the rear end of the vehicle is long
 - A vehicle with extremely high vehicle height
 - A vehicle with low vehicle height
 - A vehicle having continuous patterns on the rear side, such as vertical stripes, cages, or tile patterns



**⚠ WARNING**

- Situations where the stereo camera has difficulty in recognizing objects (the following cases in particular)
 - When the front side of the stereo camera is covered with snow, frost, rain-drops, and dust on the windshield, or covered under the fogged or dirty windshield
 - When non-genuine Toyota glass coating agent is applied
 - When a film is pasted over the windshield
 - When the reflections on the windshield are preventing the system from recognizing objects consistently
 - When the windshield is not completely wiped dry while the front window washer is in use or right after that
 - When the windshield is scratched or cracked
 - When long-sized items are loaded on the roof, such as surfboards, canoes, or skis, and they are blocking the stereo camera's field of view
 - When non-genuine Toyota wiper blades are installed (including the short types)
 - When the system is unable to recognize objects sufficiently because rain-drops or water droplets from the window washer or the wiper blades are blocking the stereo camera's field of view
 - When the front side of the stereo camera is blocked with your hand
 - When a shock is applied to the stereo camera, resulting in misalignment or distortion
- When there is a stopped vehicle in the same lane
- When your vehicle or the preceding vehicle is deviated from the center of the lane to the left or right
- When a motorcycle is traveling in the same lane
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When the body of your vehicle is facing upward (such as when carrying heavy loads)
- While it is dim outside, such as during evenings or early mornings
- When an object is located near the bumper of your vehicle
- When driving on curves, near the entrance or exit of curves, or on roads with narrow lanes
- When the steering wheel handling is unstable, or when your vehicle position in the lane is not consistent

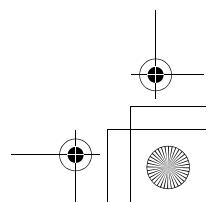
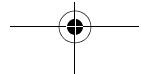
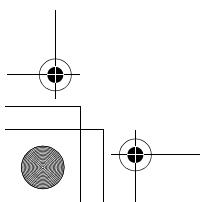
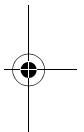
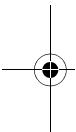


**WARNING**

- When driving on roads with structures on the side of the roads (such as tunnels and bridges)
- When the vehicle travels at the set vehicle speed again after the vehicle was accelerated by stepping on the accelerator pedal
- When driving on roads without white (yellow) lines or those with indistinguishable white (yellow) lines as they are worn off or dirty
- When the road changes from an uphill slope to a flat road or a downhill slope
- When the road changes from a downhill slope to a flat road or an uphill slope
- When driving through branching or merging lanes

4

Driving



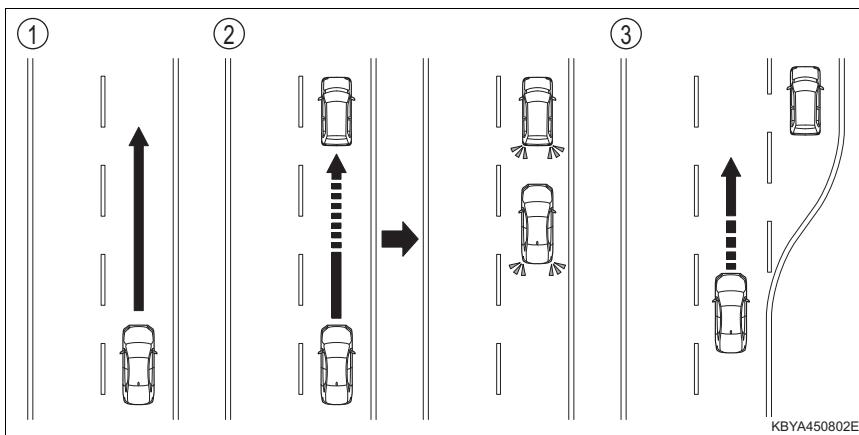
Traveling in the vehicle-to-vehicle distance control mode

In the vehicle-to-vehicle distance control mode, the system uses the stereo camera to determine whether there is a vehicle ahead of you and the distance from your vehicle, and it controls the vehicle to maintain an appropriate distance from the preceding vehicle.

The driver can also specify the desired distance from the preceding vehicle using the set vehicle distance switch.

The distance between vehicles may become shorter when you are driving on a downhill.

When the vehicle runs on an uphill or carries a large load, it may take longer to accelerate to the set speed, or it may not even accelerate to the set speed.



① Driving at a constant speed (when there is no preceding vehicle)

The vehicle travels at a constant speed specified by the driver.

This function is not available if you drive slower than approx. 30 km/h (19 mph) when there is no vehicle driving ahead of you.

② Deceleration - Vehicle following (when a vehicle traveling slower than the set speed appears in front of you)

When the system detects a preceding vehicle, it decelerates your vehicle automatically. If greater deceleration is needed, braking is applied. (The stop lights turn on at this time). The system controls your vehicle to follow a vehicle ahead of you according to the preceding vehicle's speed changes until the vehicle is located at a distance set by the driver.

If your vehicle approaches the preceding vehicle at a speed that cannot be decelerated in time, the approach warning will sound.

When the preceding vehicle stops, the driver's vehicle stops behind it (vehicle stop control) (→ P. 332).

③ Acceleration (when the preceding vehicle traveling slower than the set speed disappears)

Your vehicle accelerates to the set speed and then travels at the constant speed.

Setting the vehicle speed (vehicle-to-vehicle distance control mode)

- 1** Press the ACC main switch and turn ON the system in the vehicle-to-vehicle distance control mode

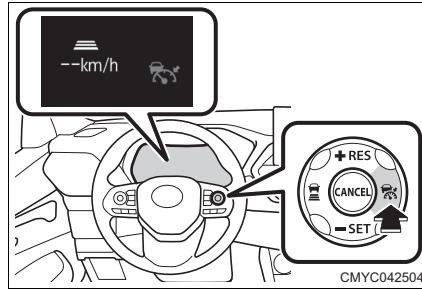
The ACC indicator lights up.

The vehicle distance setting appears.

The set vehicle speed is displayed as "-- km/h".

To turn OFF the system, press the ACC main switch again.

Press and hold the ACC main switch for approx. 2 seconds and longer to turn ON the system in the constant speed control mode. (→ P. 333)



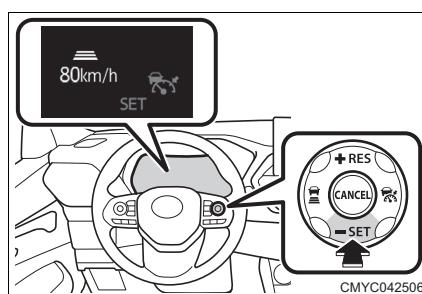
- 2** Use the accelerator pedal to accelerate or decelerate until the vehicle reaches the desired speed (approx. 30 km/h [19 mph] or more), and press the -SET switch

The set vehicle speed appears and the control begins.

It will be set to the vehicle speed when you have released the switch.

The ACC SET indicator lights.

The set vehicle speed can be specified from 30 km/h (19 mph).



4
Driving

Changing the set vehicle speed (vehicle-to-vehicle distance control mode)

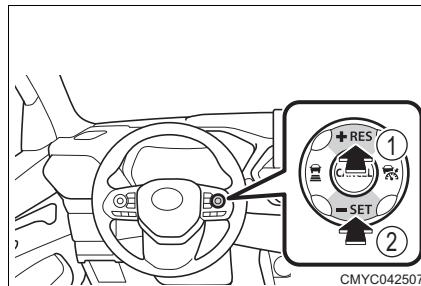
To change the set vehicle speed, press the +RES switch or the -SET switch repeatedly until the desired speed is displayed

As you press each switch, the display of the set vehicle speed changes.

- ① Speed up (excluding during vehicle stop control)
- ② Slow down

Minor adjustment: Press each switch

Major adjustment: Press and hold each switch to change the speed and release the switch at the desired speed



The set vehicle speed will be increased or decreased as follows.

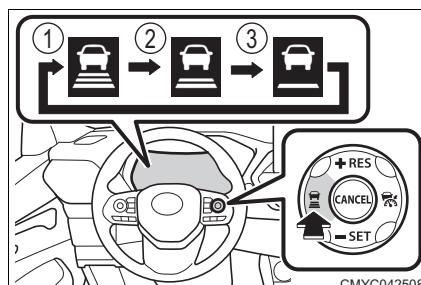
Minor adjustment: Pressing each switch will change the speed by 1 km/h (0.6 mph)

Major adjustment: Holding down each switch will change the speed in the 5 km/h (3.1 mph) intervals

Changing the set vehicle distance (vehicle-to-vehicle distance control mode)

Each time you press the set vehicle distance switch, the set vehicle distance changes as follows.

- ① Long
- ② Medium
- ③ Short



When to change the set vehicle distance (vehicle-to-vehicle distance control mode)

Change the set vehicle distance by referring to the table below. (When your vehicle is traveling at 80 km/h [50 mph])

Note that the vehicle distance increases or decreases according to the vehicle speed. While the vehicle stop control is activated, the vehicle stops at the vehicle-to-vehicle distance according to the situation regardless of the settings.

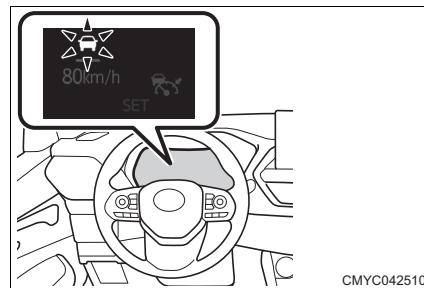
Select set vehicle distance	Vehicle distance
Long	Approx. 50 m (164.0 ft.)
Medium	Approx. 40 m (131.2 ft.)
Short	Approx. 25 m (65.6 ft.)

Approach warning (vehicle-to-vehicle distance control mode)

4

Driving

When your vehicle approaches the preceding vehicle while traveling at a speed that cannot be decelerated fast enough, such as when another vehicle cuts in behind the vehicle you are following, the driver will be alerted with the flashing preceding vehicle indicator, a buzzer, and a warning message on the TFT color multi-information display. In such case, keep an appropriate distance from the other vehicle by stepping on the brake pedal.



■ When the approach warning will not be activated

In the following cases, the approach warning system may not be activated.

- When the preceding vehicle is traveling at the same speed as your vehicle or faster than your vehicle
- When another vehicle cuts in near your vehicle
- When the preceding vehicle decelerates suddenly
- When the preceding vehicle is traveling at an excessively low speed
- Right after starting the vehicle distance control
- When the accelerator pedal is stepped on
- When driving on an uphill and a downhill repeatedly
- When approaching a vehicle that stopped at the last line of a toll gate or a traffic jam

Vehicle stop control (vehicle-to-vehicle distance control mode)

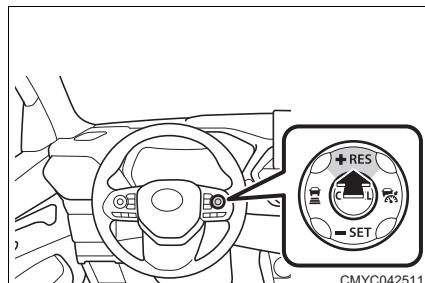
When the preceding vehicle stops, the driver's vehicle stops behind it.

After the vehicle stop control is continued for approx. 3 minutes at a maximum, the Adaptive Cruise Control is deactivated automatically. At this time, the message appears on the TFT color multi-information display, and the parking brake is applied automatically. To continue the stopped state when the system is automatically deactivated during the vehicle stop control, keep stepping on the brake pedal firmly.
(→ P. 337)

■ To restore the vehicle following from the vehicle stop control

After the preceding vehicle moves off, when the +RES switch is pressed, the vehicle following is restored.

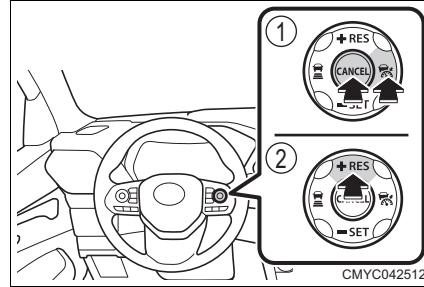
The vehicle following is restored also by depressing the accelerator pedal.



Deactivating and restoring the control (vehicle-to-vehicle distance control mode)

- ① To deactivate the control, press the cancel switch or the ACC main switch

- The control is deactivated also by depressing the brake pedal (during the vehicle stop control in the vehicle-to-vehicle distance control mode, the control is not deactivated even if the brake pedal is depressed).
- Stopping the engine <hybrid system> by turning "OFF" the engine switch <power switch> also deactivates the control automatically.
- When the ACC is deactivated during the vehicle stop control while the brake hold system standby indicator (→ P. 92) is illuminated, the brake hold system is activated.



- ② To restore the control, press the +RES switch

■ When the control will not be restored

In the following cases, the control cannot be restored.

- When the vehicle speed is slower than approx. 30 km/h (19 mph) while the preceding vehicle is not recognized
- When the system is turned off by pressing the ACC main switch
- When any of the conditions for automatic deactivation of the system (→ P. 337) is satisfied

4

Driving

Traveling in the constant speed control mode

In the constant speed control mode, the vehicle does not follow the preceding vehicle by adjusting its speed according to the preceding vehicle, but it travels at a constant speed specified by the driver.

The vehicle runs faster than the set vehicle speed when you are driving on a downhill.

When the vehicle runs on an uphill or carries a large load, it may take longer to accelerate to the set speed, or it may not even accelerate to the set speed.

334 4-5. Using the driving support systems

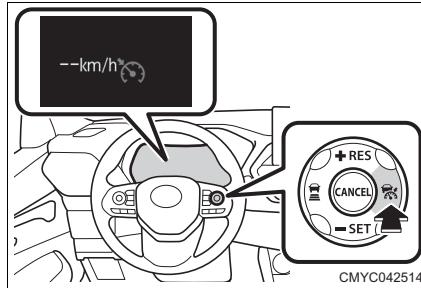
Setting the vehicle speed (constant speed control mode)

- 1** Press and hold the ACC main switch for approx. 2 seconds and longer to turn ON the system in the constant speed control mode

The cruise control indicator lights up, and the set vehicle speed is displayed as "-- km/h".

The system can be switched to the constant speed control mode only from the system OFF state.

To turn OFF the system, press the ACC main switch again.



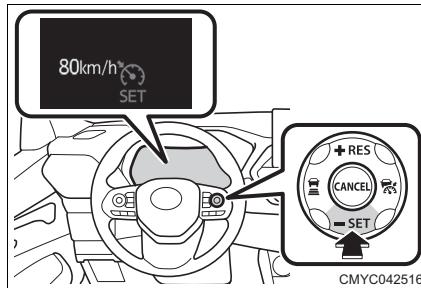
- 2** Use the accelerator pedal to accelerate or decelerate until the vehicle reaches the desired speed (approx. 30 km/h [19 mph] or more), and press the -SET switch

The set vehicle speed appears and the control begins.

It will be set to the vehicle speed when you have released the switch.

The ACC SET indicator lights.

The set vehicle speed can be specified from 30 km/h (19 mph).



Changing the set vehicle speed (constant speed control mode)

The following methods are available for changing the set vehicle speed.

- Use the accelerator or brake pedal
- Press the control switches

■ Changing the set speed using the accelerator pedal or brake pedal

When you increase the set vehicle speed, step on the accelerator pedal to speed up. Once the vehicle travels at the desired speed, press the -SET switch.

When you decrease the set vehicle speed, step on the brake pedal to slow down. Once the vehicle travels at the desired speed, release your foot from the brake pedal and press the -SET switch.

Stepping on the brake pedal will deactivate the Adaptive Cruise Control and turn off the ACC SET indicator.

The vehicle speed when you pressed the switch will be set, and the updated vehicle speed will be displayed.

■ Changing the set speed using the control switches

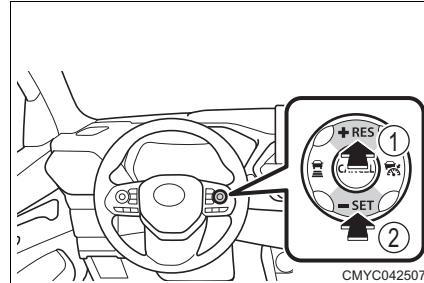
To change the set vehicle speed, press the +RES switch or the -SET switch repeatedly until the desired speed is displayed

As you press each switch, the display of the set vehicle speed changes.

- ① Speed up
- ② Slow down

Minor adjustment: Press each switch

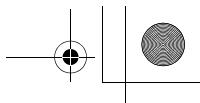
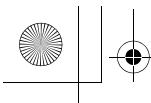
Major adjustment: Press and hold each switch to change the speed and release the switch at the desired speed



The set vehicle speed will be increased or decreased as follows.

Minor adjustment: Pressing each switch will change the speed by 1 km/h (0.6 mph)

Major adjustment: The set speed changes continuously while holding down each switch



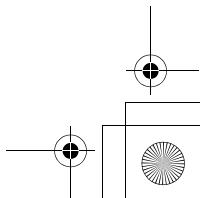
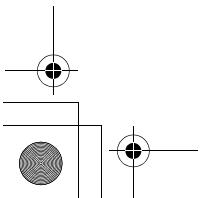
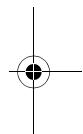
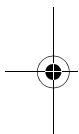
Deactivating and restoring the control (constant speed control mode)

The control can be deactivated and restored using the same method as the vehicle-to-vehicle distance control mode. (→ P. 333)

■ Setting conditions

When all of the following conditions are satisfied, the Adaptive Cruise Control can be activated.

- When the vehicle speed is 0 km (0 mph) or greater (approx. 30 km/h (19 mph) or greater when there is no preceding vehicle) (vehicle-to-vehicle distance control mode)
- When the vehicle speed is approx. 30 km/h (19 mph) or greater (Constant speed control mode)
- When the engine coolant temperature is not too high
- When all of the following conditions are met while the vehicle is stopped
 - When the driver's door is closed
 - The brake pedal is depressed, or the vehicle is stopped by the brake hold system
 - When the driver's seat belt is fastened
- When the VSC OFF indicator and TRC OFF indicator in the meter are both turned off
- When the ACC indicator is turned on (Vehicle-to-vehicle distance control mode)
- When the cruise control indicator is turned on (Constant speed control mode)
- The Toyota Safety Sense OFF indicator light is off
- When the ACC OFF indicator is off
- When the function off code "2E", "10E", "11E", "12E", or "14E" is not displayed
- When the ACC warning light is turned off
- When the brake pedal is not depressed (excluding while the vehicle is stopped)
- When the shift lever is set to D
- When the parking brake is not applied
- When you are not driving on a steep slope
- When the parking brake indicator is turned off
- When the brake system warning light (yellow) is turned off



■ Acceleration after setting the vehicle speed

You can accelerate the vehicle by stepping on the accelerator pedal just like normal driving. After acceleration, the vehicle speed returns to the set speed. However, in the vehicle-to-vehicle distance control mode, the vehicle speed may become slower than the set speed in order to keep sufficient distance from the preceding vehicle.

■ Deceleration after setting the vehicle speed

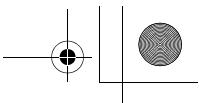
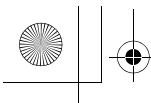
When you want to decelerate temporarily, step on the brake pedal.

- At this time, the Adaptive Cruise Control will be deactivated.
- The set vehicle speed is displayed as “-- km/h”, and the ACC SET indicator turns off.
- To restore the control, release your foot from the brake pedal and press the +RES switch. (If the -SET switch is pressed, the control begins at the vehicle speed at that time.)

■ Automatic deactivation of the system

In any of the following situations, the Adaptive Cruise Control will be deactivated automatically. When the Adaptive Cruise Control was deactivated automatically, wait until the deactivation conditions no longer exist, and then press the -SET switch or the +RES switch to reactivate the control. If the set vehicle speed cannot be configured even after the conditions have been resolved, the Adaptive Cruise Control could be malfunctioning. It does not affect normal driving, but you should have the vehicle inspected at your Toyota dealer.

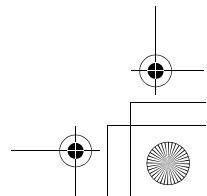
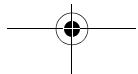
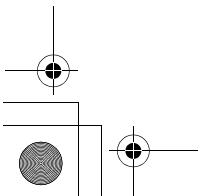
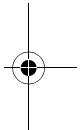
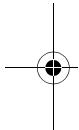
- When the preceding vehicle is lost during the vehicle following with the vehicle speed at slower than approx. 25 km/h (16 mph)
- When the vehicle speed becomes slower than approx. 25 km/h (16 mph) while the preceding vehicle is not recognized
- When the engine coolant temperature is too high
- When any of the following situations occurs while the vehicle stop control is activated
 - When the driver's door opens
 - When unfastening the driver's seat belt
 - When approx. 3 minutes have passed after the vehicle is stopped by the Adaptive Cruise Control
 - When the preceding vehicle is lost during the vehicle following
- When the shift lever is set in other than D
- When the parking brake is applied
- When VSC or TRC becomes OFF
- When the Toyota Safety Sense feature is turned off by pressing the Toyota Safety Sense OFF switch

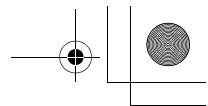
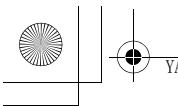


- When the ACC OFF indicator lights up
- When VSC or TRC is activated
- When the parking brake indicator is flashing
- When the brake system warning light (yellow) comes on
- In any of the following conditions (pressing the +RES switch will not restore the control in this case)
 - When your vehicle speed decreases far below the set vehicle speed while no preceding vehicle is recognized
 - When any of the following function off code is displayed: "2E", "10E", "11E", "12E", "14E"
 - When the ACC warning light comes on
 - When driving on a steep slope
 - When the pre-collision braking is activated
 - When the pedal misoperation control (front) is activated

■ Adaptive Cruise Control

- In the vehicle-to-vehicle distance control mode, the vehicle is controlled at speed according to the preceding vehicle, so your vehicle does not accelerate even when you press the +RES switch and increase the set vehicle speed to that higher than the preceding vehicle. However, since the set vehicle speed has been changed, your vehicle will accelerate to the set speed once the preceding vehicle is no longer recognized. Make sure to check the indicator on the driving assist screen when you change the set vehicle speed.
- When the accelerator pedal is depressed during the vehicle-to-vehicle distance control mode, no approach warning by the vehicle-to-vehicle distance control mode will be issued, nor braking will be applied. However, if there is a greater risk of colliding with an obstacle ahead, the warning or emergency brake by the pre-collision warning or the pre-collision braking may become activated.
- The system automatically accelerates and decelerates the vehicle according to the preceding vehicle's speed during the vehicle following. However, if your vehicle needs to accelerate when changing lanes, if the preceding vehicle suddenly slows down, or if a vehicle cuts in front of your vehicle and shortens the distance in between, step on the accelerator pedal or the brake pedal to adjust the speed accordingly.
- Even in the constant speed control mode, the vehicle may not travel at the set vehicle speed depending on the circumstances and vehicle conditions.





■ Braking

- You may hear braking sound or may feel that the brake pedal response changes, but this is not a malfunction.
- The Adaptive Cruise Control may activate braking in order to maintain the set vehicle speed while traveling on a downhill even when no preceding vehicle is recognized.

■ Driving on a curve

Even when the set vehicle speed is higher than the vehicle speed, the vehicle may not accelerate but decelerate instead.

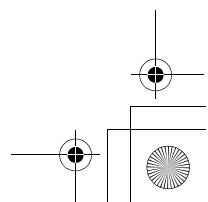
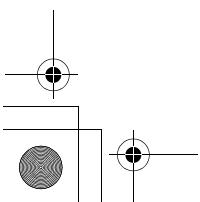
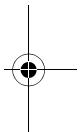
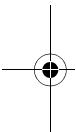
■ Turning ON the system in the constant speed control mode

When the system is turned ON in the constant speed control mode by pressing and holding the ACC main switch for approx. 2 seconds or longer, the system enters the following state right after the switch is pressed, then the cruise control indicator will light up, and the ACC indicator and the set vehicle distance will turn off.

- The ACC indicator lights up
- The set vehicle speed is displayed as "-- km/h"
- The set vehicle distance is displayed

4

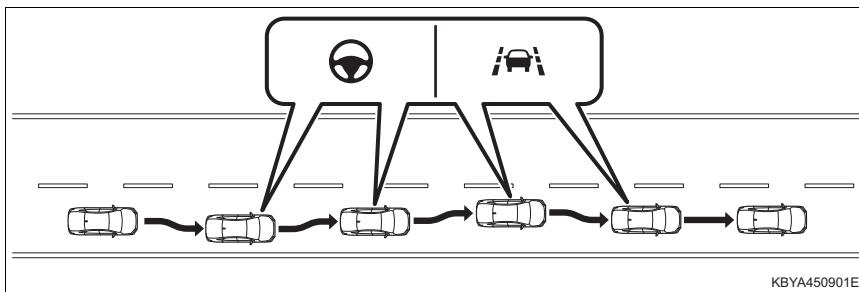
Driving



LKC (Lane Keep Control)*

LKC uses the stereo camera installed on the top of the windshield to recognize the right and left white (yellow) lines to assist a part of the steering wheel handling necessary to drive in the current lane in cooperation with the Adaptive Cruise Control (→ P. 320).

- While the LKC is operating, the driver is notified of its conditions by the indicator in the meter or the display indicator (→ P. 277).
- The LKC is not activated when the Adaptive Cruise Control is not activated.
- When the steering wheel is not operated for a certain time, or when the driving is continued with the steering wheel not held firmly, the driver is alerted by the meter indication, and the function is deactivated.
- Use this feature on freeways and highways.

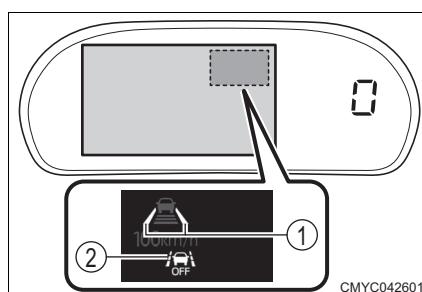


LKC OFF indicator/lane recognition indicator

The display position changes by switching the basic screen. (→ P. 114)

① Lane recognition indicator

It lights up when the camera recognizes white (yellow) lanes on the sides at approximately 50 km/h (31 mph) or faster.



② LKC OFF indicator

Lights up when the activation is not possible because the function is disabled.

*: If equipped

WARNING

■ For safe use

- Do not overly rely on LKC. The LKC is not the automatic driving device nor device reducing the attention to the front. Note that these functions are not designed to assist the driver's lack of attention for not looking ahead carefully by getting distracted or not focusing on the road, or not designed to help improve poor visibility due to rain or fog, and so on. Completely relying on the LKC to keep your vehicle stay in the car lane could lead to an accident, resulting in serious injury or death.
- It is the driver's responsibility to drive safely by consciously being aware of the situations around the vehicle and modifying the course by operating the steering wheel. If you feel tired due to long time driving or the like, take a break appropriately. Inappropriate or careless driving may lead to an unforeseen accident.
- If you do not use the LKC, press the LKC switch and turn off the LKC.
- The driver cannot let go off the steering wheel. The driver should always hold the steering wheel and drive safe.

■ Situations where the LKC should not be used

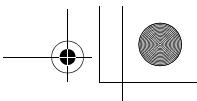
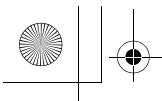
In the following situations, press the LKC switch and turn off the LKC. Doing so may lead to an unforeseen accident.

- When driving on slippery road surfaces, such as frozen or snow-covered roads
- When the system cannot distinguish between the white (yellow) lines and road surface, or the lines are not clear as they are worn off or dirty
- When driving in a section where lane restrictions apply or temporary lanes exist
- When driving in a construction area
- When driving on a lane other than freeways and highways
- When the steering wheel is vibrating abnormally or feels heavier than normal
- When the steering wheel is replaced with a non-Toyota genuine product or accessories are installed

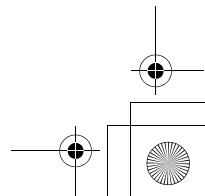
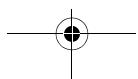
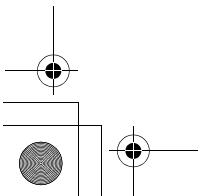
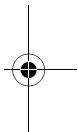
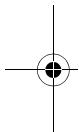
■ Situations where the LKC may not work properly

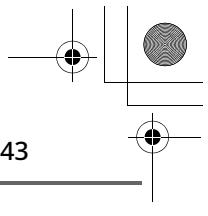
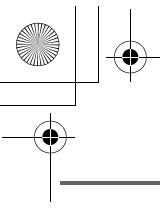
In the following situations, the LKC may not be activated appropriately since white (yellow) lines are not properly recognized.

- When white (yellow) lines are not visible due to bad weather (heavy rain, snowstorm, fog, sandstorm, etc.)

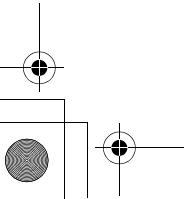
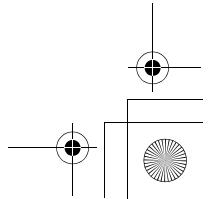
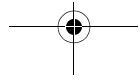
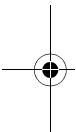
**⚠ WARNING**

- When the vehicle is exposed to strong light from the front (such as backlight by the sun or headlight beam from oncoming vehicles) or strong light is reflected on the road
- When the brightness changes at the entrance or exit of a tunnel, under a tree or behind a building
- When the road is wet and shiny after rain or when there is a puddle
- When you drive through the shadows of trees or buildings, or when the shadows of guardrails or other structures are reflected on the road
- When traveling on a road without streetlights at night
- Road conditions (the following cases in particular)
 - When the roads have asphalt seams or linear repair marks, blurred or overlapping white (yellow) lines due to road repairs or old white (yellow) lines remaining, or when there are tire tracks
 - When driving in a section where the number of lanes has increased or decreased, such as at an intersection or pedestrian crossing, or a section containing complex crossing lines
 - When the lane width is extremely narrow or extremely wide, or is changing
 - When a part of the white (yellow) line is concealed by a vehicle or when the lane width is too narrow
 - When the vehicle is approaching the top of a slope or a hill
 - When the vehicle shakes considerably due to steps and so on
 - When objects on the road (such as curbstones, guardrails, and cones) are recognized as white (yellow) lines
 - When the lanes appear distorted on a winding road or it is not possible to see ahead
 - When driving on unpaved or rough roads
 - When driving on a road where the lane is marked as dual lines
 - When slippery roads or snow-covered roads have tire tracks
 - When driving through branching or merging lanes
 - When driving on a road with a sharp curve
 - When the road has repair marks or boundaries between snow and asphalt
 - When there are shadows of objects such as guardrails
 - When there are dual lines for lane marking
 - When the road surface has a linear paint marking, such as a former division lane that was not completely erased in a construction area



**⚠ WARNING**

- Situations where the stereo camera has difficulty in recognizing objects (the following cases in particular)
 - When the outside of the windshield is covered with dirt, mud, or wet snow
 - When long-sized items are loaded on the roof, such as surfboards, canoes, or skis, and they are blocking the stereo camera's field of view
 - When the inside of the windshield is foggy
 - When the windshield is not completely wiped dry while the front window washer is in use or right after that
 - When the vehicle is leaning to one side with a heavy load on it
 - When there is not enough distance between your vehicle and the preceding vehicle
 - When your vehicle is not traveling straight against the white (yellow) line
 - When the stereo camera has become hot
- When driving in areas where there is no white (yellow) line, such as right before the toll gate or ticket checkpoint, or at intersections
- When the white (yellow) lines are blurry or when there are cat's eyes or stones
- When the lane is yellow (compared to white lines, the recognition rate may be degraded)
- When driving on a bright road such as a road made of concrete
- When driving in an area illuminated by reflected light
- When the vehicle is affected by side winds
- When the vehicle is affected by winds generated from vehicles traveling around you
- Right after changing lanes
- When using winter tires
- When driving at an excessively high speed
- When a vehicle cuts in from the next lane
- When there is a curbstone or sidewall on the shoulder of a road
- When water splashes or drifting snow whirls up
- When the visibility is not good enough due to exhaust fumes, water vapor, sand, smoke, or dust
- When lines other than car lanes are painted on the road

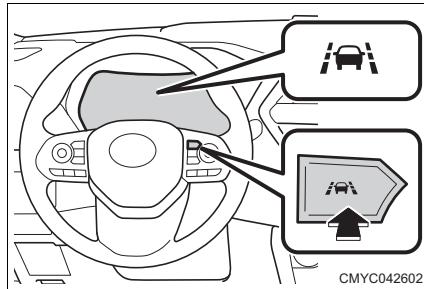


How to set up and deactivate

■ How to set up

When the system is turned ON in the vehicle-to-vehicle distance control mode by pressing the ACC main switch, press the LKC switch

The LKC indicator lights up.



The LKC is activated when all of the operating conditions (→ P. 344) are met during driving near the center of the lane.

When the steering wheel operation is assisted, the LKC indicator and indicator for steering wheel assistance enabled (→ P. 340) turn on.

■ How to deactivate

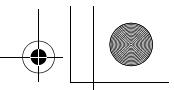
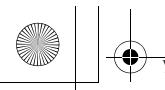
To turn off the LKC, press the LKC switch again.

The LKC indicator turns off.

■ Operating conditions of the LKC

The function will be activated when all of the following conditions are satisfied.

- When the vehicle speed is approx. 60 km/h (37 mph) or greater
- When the Adaptive Cruise Control is activated in the vehicle-to-vehicle distance control mode and the set vehicle speed is 60 km/h (37 mph) or greater
- When the LKC indicator is illuminated
- When ABS, VSC, or TRC is not activated
- When the pre-collision braking is not activated
- When the pedal misoperation control is not activated
- When the lane departure prevention is not activated
- When the Lane Departure Warning OFF indicator is turned off
- When the VSC OFF indicator and TRC OFF indicator in the meter are both turned off
- When the LKC OFF indicator is off
- When the function off code "2E", "10E", "11E", "12E", or "14E" is not displayed
- When the LKC warning light is turned off
- When the turn signal indicator is off (The function will not be activated for approx. 1 seconds after the turn signal indicator has turned off)

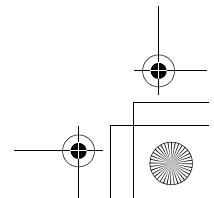
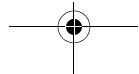
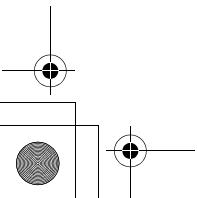
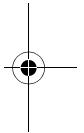
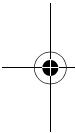


- In the TFT color multi-information display settings (→ P. 123), "Steering Assist" is set to ON
- The brake pedal is not stepped on
- When there is no acceleration or deceleration above a certain level
- When the shift lever is set to D
- When the driver is not maneuvering the steering wheel suddenly
- When the driver is not operating the steering wheel by a steering force equivalent to that makes lane change
- When driving on a straight or gently curved road
- When the system recognizes white (yellow) lanes on the sides
- When the car lane in which the vehicle is traveling is approx. between 3 m and 4 m
- When the warning for hands-off driving (→ P. 347) is not made
- When driving near the center of the lane

■ Temporary deactivation of system

The LKC is deactivated automatically and temporarily when one of the following occurs. When the LKC is deactivated temporarily, it restores automatically by resolving the conditions for the deactivation. If it is not restored even after the conditions are resolved, Toyota Safety Sense could be malfunctioning. It does not affect normal driving, but you should have the vehicle inspected at your Toyota dealer.

- When the vehicle speed becomes less than approx. 60 km/h (37 mph)
- When the set vehicle speed for the Adaptive Cruise Control in the vehicle-to-vehicle distance control mode becomes less than 60 km/h (37 mph)
- When the LKC OFF indicator lights up
- When any of the following function off code is displayed: "2E", "10E", "11E", "12E", "14E"
- When the turn signal lever is operated
- When the brake pedal is depressed and the Adaptive Cruise Control is deactivated
- When the shift lever is set to the positions other than D and the Adaptive Cruise Control is deactivated
- When the steering wheel is operated suddenly
- When either the right or left white (yellow) line becomes unrecognizable
- When the car lane in which the vehicle is traveling becomes less than approx. 3 m or approx. 4 m or more
- When your vehicle crosses the lane
- When driving on a road with a sharp curve



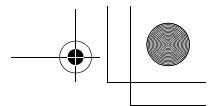
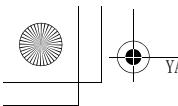
■ Automatic deactivation of the system

The LKC is deactivated automatically when one of the following occurs. When the LKC was deactivated automatically, wait until the deactivation conditions no longer exist, and then set it up again. If the setup cannot be made even after the conditions have been resolved, the LKC could be malfunctioning. It does not affect normal driving, but you should have the vehicle inspected at your Toyota dealer.

- When the system is turned off by pressing the ACC main switch
- When the Toyota Safety Sense OFF switch is pressed and Lane Departure Warning, lane departure prevention, and LKC are turned off
- When the LKC switch is pressed
- When VSC or TRC becomes OFF
- In the TFT color multi-information display settings (→ P. 123), "Steering Assist" is set to OFF
- When the LKC warning light comes on
- When the steering wheel is not held and operated even if the warning for hands-off driving (→ P. 347) is made
- When ABS, VSC, or TRC is activated
- When the pre-collision braking is activated
- When the pedal misoperation control is activated

■ LKC

- Depending on the vehicle speed, lane departure, or road conditions, the driver may not feel that the LKC is activated, or the LKC may not be activated.
- The LKC's steering assist feature can be corrected by the driver's steering.
- While the LKC is activated, if the system determines that the vehicle may depart from the drive lane due to hands-off driving, a buzzer sounds, and the lane recognition indicator flashes on both sides.
- When the vehicle leans to either of right and left lanes while the LKC is activated, stop the system and have the vehicle inspected at your Toyota dealer.



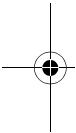
■Warning for hands-off driving

In the following situations, the hands-off warning light (→ P. 524) turns on, and the TFT color multi-information display shows a message urging the driver to hold the steering wheel for warning. When you use the system, always hold the steering wheel firmly regardless of the warning being issued.

- When the system determines that the vehicle is driven with hands off while the LKC indicator is illuminated
 - If the driver continues to keep their hands off from the steering wheel, a buzzer to alert the driver will sound.
 - If the driver further continues to keep their hands off from the steering wheel, the LKC will be deactivated.
 - If the driver continues to operate the vehicle without sufficient steering, the driver will be alerted as well.
- When the system determines that the vehicle is driven with hands off while the steering wheel operation is assisted to avoid a departure from the car lane by the lane departure prevention (→ P. 317)

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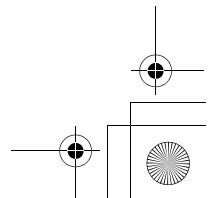
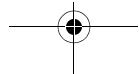
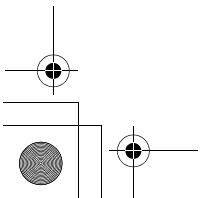
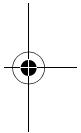
Driving



The LKC can be deactivated.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 123)



BSM (Blind Spot Monitor)*

Overview of Blind Spot Monitor

Blind Spot Monitor has the 2 functions.

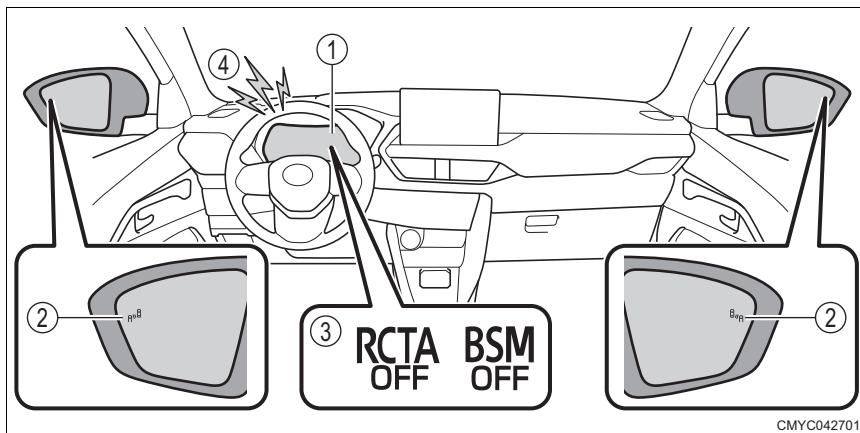
● BSM (Blind Spot Monitor) function

Assists the driver in making decisions when changing lanes.

● RCTA (Rear Cross Traffic Alert) function

Assists the driver when backing up.

These functions use the same sensors.



① TFT color multi-information display

The BSM function or the RCTA function can be switched ON and OFF.

② Outside rear view mirror indicators

Installed on the outside rear view mirrors. When they detect a vehicle approaching from behind, they light up or start flashing.

BSM function: When a vehicle is detected in the blind spot area of the outside rear view mirrors or when a vehicle rapidly approaching into the blind spot area is detected from the behind, it lights up the outside rear view mirror indicator of the side that detected the vehicle. When you have moved the turn signal lever to the side where the vehicle is detected, the outside rear view mirror indicators start flashing.

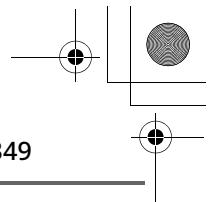
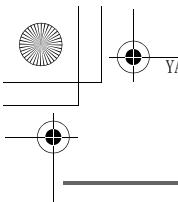
RCTA function: When a vehicle approaching from the right or left rear end of your vehicle is detected, both of the outside rear view mirror indicators start flashing.

③ BSM OFF indicator/RCTA OFF indicator

When you turn off the BSM function, the BSM OFF indicator lights up.

When you turn off the RCTA function, the RCTA OFF indicator lights up.

*: If equipped



④ Buzzer

BSM buzzer: When you have moved the turn signal lever to the side where the vehicle is detected, the buzzer will sound.

RCTA Buzzer: When a vehicle approaching from the right or left rear end of your vehicle is detected, the buzzer will sound.

WARNING

■ To use the BSM function safely

The driver is responsible for driving the vehicle safely. It is the driver's responsibility to be aware of the situations around the vehicle and drive safely.

The BSM function is an auxiliary system designed to let the driver know of the presence of a vehicle that has entered or is rapidly approaching toward the blind spot area of the outside rear view mirrors. Since this system alone is not sufficient for determining the feasibility of changing lanes, overly relying on the system could lead to an unforeseen accident, resulting in serious injury or death.

This system does not work effectively depending on the circumstances. The driver is responsible for checking the safety around the vehicle by using his/her own eyes and the mirrors.

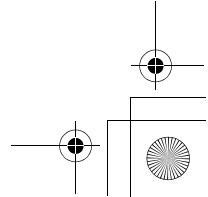
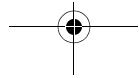
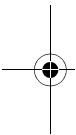
■ To use the RCTA function safely

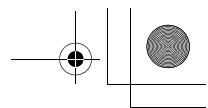
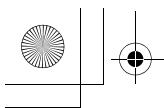
The driver is responsible for driving the vehicle safely. It is the driver's responsibility to be aware of the situations around the vehicle and drive safely.

The RCTA function is an auxiliary system designed to let the driver know of the presence of a vehicle that is approaching from the right or left rear of the vehicle.

Even with the RCTA function enabled, this system does not work effectively depending on the circumstances. The driver is responsible for checking the safety around the vehicle by using his/her own eyes.

Overly relying on the system could lead to an unforeseen accident, resulting in serious injury or death.





How to set up

Go to the "Settings" menu on the TFT color multi-information display, you can change the settings of BSM function/RCTA function ON (enabled)/OFF (disabled). (→ P. 124)

■ Visibility of the outside rear view mirror indicators

- It may be difficult to see if the outside rear view mirror indicators are lit or flashing in the following cases:
 - Under strong sunlight
 - The outside rear view mirrors are covered with ice or snow

■ Buzzers

- It may be difficult to hear the buzzers if there is a loud noise around, such as high volume audio.

■ When the TFT color multi-information display shows "BSM Radar Obstructed Temporary Unavailable"

It is possible that the rear bumper near the sensors is covered with ice, snow, or mud. If you remove the ice, snow, or mud covering the rear bumper near the sensors, the function will start working normally again.

■ When the TFT color multi-information display shows "BSM Temporary Unavailable"

If you use the function in an extremely hot or cold environment or if the battery <12-volt battery> voltage is lower or higher than the specified level, the system operation will be temporarily stopped. If the display persists for a long time, have the vehicle inspected at your Toyota dealer.

■ When the TFT color multi-information display shows "BSM Malfunction Visit Your Dealer"

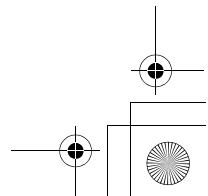
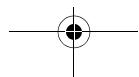
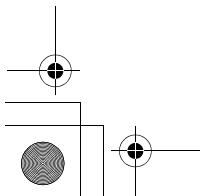
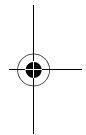
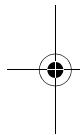
It is possible that the sensors have failed or their positions or orientations are off. Have the vehicle inspected at your Toyota dealer.

■ Customizations

The BSM and RCTA settings can be changed.

(List of customizable features: → P. 588)

(The settings can be changed from the setup screen of the TFT color multi-information display: → P. 118)

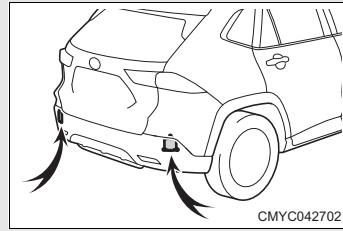


WARNING

■ Handling of the radar sensors

- The BSM sensors are installed inside the rear bumper, one each on the right and left side.

For the system to work properly, observe the precautions listed below.



- Keep the rear bumper near the sensors clean at all times.

If the rear bumper near the sensors is covered with rain, snow, ice, or dirt, the warning display (→ P. 534) will appear, and the system may stop working. If that happens, remove the rain, snow, ice, or dirt from the rear bumper, and drive the vehicle for a while (approx. 10 minutes) under the activation conditions of the BSM function (→ P. 353). If the warning display persists, have the vehicle inspected at your Toyota dealer.

- Avoid strong shock to the rear bumper near the sensors.

If the sensor position and orientation are off even just a little bit, they may not be able to detect vehicles correctly, or the devices may not work as intended.

- In the following case, have the vehicle inspected at your Toyota dealer.

- The sensors and the areas near the sensors received a strong impact
- There is a scratch or dent on the rear bumper near the sensors, or some of the bumper parts are missing

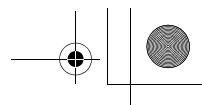
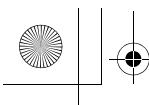
- Do not disassemble the sensors.

- Do not paste stickers or install accessories on the sensors or on the rear bumper near the sensors.

- Do not alter the sensors or the rear bumper near the sensors.

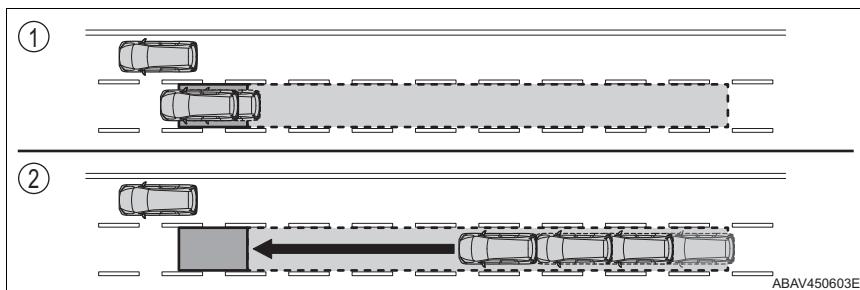
- Do not paint the rear bumper any color other than an official Toyota color.

- Scratches on the rear bumper paint may prevent the system from working normally. Contact your Toyota dealer.



BSM function

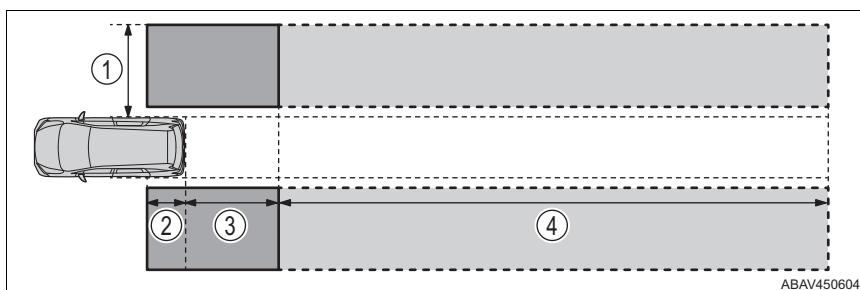
The BSM function uses the radar sensors to detect vehicles traveling in the next lane as described below and notifies the driver of the vehicles' presence with the outside rear view mirror indicators and buzzers.



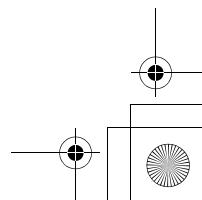
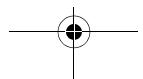
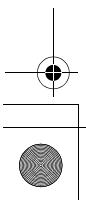
- ① A vehicle traveling in the area not reflected in the outside rear view mirrors (blind spot area)
- ② Vehicles rapidly approaching from behind into the area not reflected in the outside rear view mirrors (blind spot area)

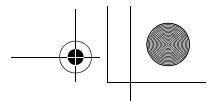
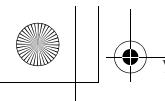
Detection range of the BSM function

The function detects a vehicle that has entered the area specified below.



- ① For both sides of the vehicle, an area of approx. 3.5 m (11.5 ft.) from approx. 0.5 m (1.6 ft.) away from the side surface
The function does not detect an area of approx. 0.5 m (1.6 ft.) from the side surface of the vehicle toward the outside.
- ② Area approx. 1 m (3.3 ft.) ahead of the rear bumper
- ③ Area approx. 3 m (9.8 ft.) behind the rear bumper





- ④ Area approx. between 3 m and 60 m (9.8 and 196.9 ft.) behind the rear bumper

The greater the speed difference between your vehicle and the other vehicle, the sooner the outside rear view mirror indicators will turn on and start flashing when the other vehicle is located further away.

■ Activation conditions of the BSM function

The BSM function will be activated when all of the following conditions are satisfied:

- In the TFT color multi-information display settings (→ P. 124), "BSM" is set to ON
- When the shift lever is set in other than R
- When the BSM OFF indicator is off
- When the vehicle speed is approx. 16 km/h (10 mph) or greater

■ Conditions where the BSM function detects a vehicle

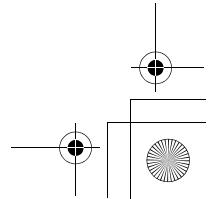
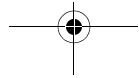
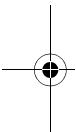
The BSM function detects a vehicle that has entered the detection area in the following situations:

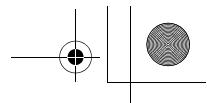
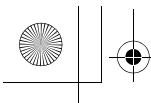
- When another vehicle traveling in the next lane passes your vehicle
- When your vehicle passes another vehicle traveling in the next lane with a small speed difference
- When another vehicle enters the detection range while changing lanes

■ Conditions where the BSM function does not detect a vehicle

The BSM function may not detect vehicles that fit the following description or non-vehicle objects:

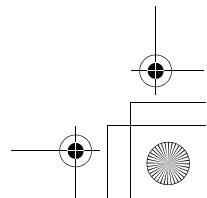
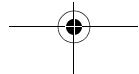
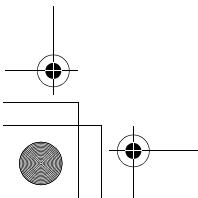
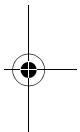
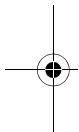
- Small motorcycles, bicycles, pedestrians, and so on
- Oncoming vehicles
- Still objects such as guardrails, walls, road signs, parked vehicles, and so on
- A following vehicle traveling in the same lane
- Other vehicle traveling in the lane that is 2 lanes away from yours
- Vehicles that your vehicle has passed with a large speed difference
- Vehicles in the next lane's detection area, which is the rear side of your vehicle, but not approaching your vehicle (The system determines approaching vehicles using radar detection data.)
- Vehicles in the shape that do not easily reflect radar signals (such as a low height trailer without cargo, sports cars)

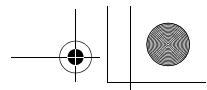
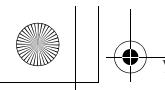




■Situations where the BSM function may not work properly

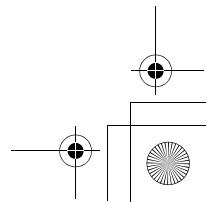
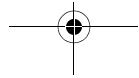
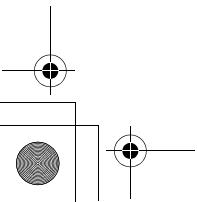
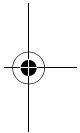
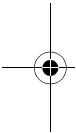
- The BSM function may not detect vehicles correctly in the following circumstances.
 - The sensor positions or orientations are off due to a strong impact applied to the sensors or the surrounding areas
 - The sensors or the rear bumper near the sensors are covered with mud, snow, ice, or stickers
 - Driving on a wet road or driving in a puddle under bad weather conditions, such as heavy rain, snow, or fog
 - Several vehicles are continuously approaching in a tight space
 - When there is not enough distance between your vehicle and the following vehicle
 - When the speed difference between your vehicle and the other vehicle in the detection range is too large
 - When the speed difference between your vehicle and the other vehicle is fluctuating
 - When the speed of your vehicle and the other vehicle in the detection range is almost the same
 - When another vehicle continues to stay in the detection range after your vehicle starts moving from the stopped state
 - When driving up and down on a series of steep slopes or driving on dented areas of a road
 - When driving through a sharp curve or continuous curves, or driving in an area with ups and downs
 - When the other vehicle in the next lane is too far away from your vehicle, such as while driving in a wide lane or driving on the edge of the lane
 - When the vehicle has accessories such as a bicycle carrier installed in the rear side
 - When there is a large difference in the vehicle height of your vehicle and the other vehicle in the detection range
 - Right after turning on the BSM function or the RCTA function
 - Right after setting the shift lever to other than R
 - When an extremely heavy load is stored in the luggage compartment
 - When a vehicle changed lanes from 2 lanes away to the next lane





- The BSM function may have more unnecessary detections, especially in the following circumstances.
- The sensor positions or orientations are off due to a strong impact applied to the sensors or the surrounding areas
 - When guardrails or walls have entered the detection area while the distance from the vehicle is short
 - When a vehicle other than that traveling in the next lane has entered the detection range, such as while driving in a narrow lane or driving on the edge of the lane
 - When driving up and down on a series of steep slopes or driving on dented areas of a road
 - When driving through a sharp curve or continuous curves, or driving in an area with ups and downs
 - While the tires are slipping (spinning)
 - When there is not enough distance between your vehicle and the following vehicle
 - When the vehicle has accessories such as a bicycle carrier installed in the rear side
 - When the vehicle is causing rain or snow to whirl up behind

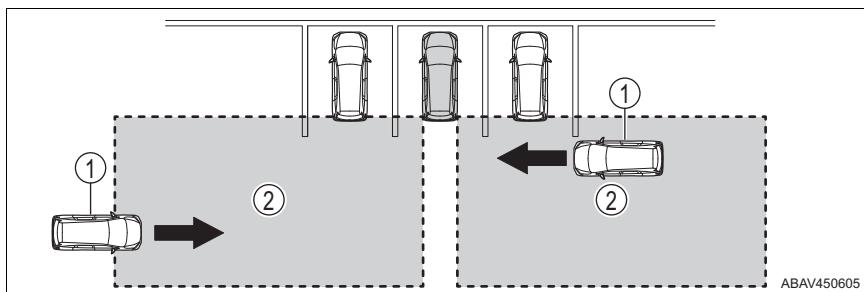
4
Driving



RCTA function

■ Activation of the RCTA function

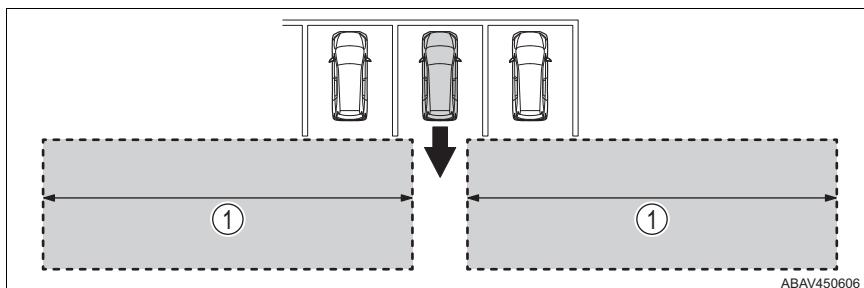
The RCTA function uses the radar sensors to detect vehicles approaching from the right or left rear of your vehicle and notifies the driver of the vehicles' presence with the outside rear view mirror indicators and buzzers.



- ① Approaching vehicle
- ② Detection range of approaching vehicles

■ Detection range of the RCTA function

The function detects a vehicle that has entered the area specified below.



For the vehicle traveling fast, the warning buzzer will sound at a position further away from the vehicle.

Approaching vehicle's speed	①Warning distance (approximate)
Approx. 28 km/h (18 mph) (fast)	Approx. 20 m (65.6 ft.)
Approx. 8 km/h (5 mph) (slow)	Approx. 5.5 m (18.0 ft.)

■ Activation conditions of the RCTA function

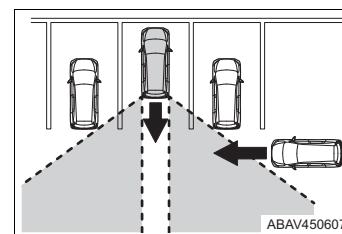
The RCTA function will be activated when all of the following conditions are satisfied:

- In the TFT color multi-information display settings (→ P. 124), "RCTA" is set to ON
- When the shift lever is set to R
- When the RCTA OFF indicator is off
- When your vehicle's speed is approx. 8 km/h (5 mph) or less
- When the approaching vehicle's speed is approx. between 8 and 28 km/h (5 and 18 mph)

■ Situations where the RCTA function may not work properly

The RCTA function may not detect vehicles that fit the following description or non-vehicle objects:

- A vehicle approaching from directly behind
- A vehicle backing up from the parking spot next to your vehicle
- Vehicles that cannot be detected by the sensors due to obstacles



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Driving

- Still objects such as guardrails, walls, road signs, parked vehicles, and so on
- Small motorcycles, bicycles, pedestrians, and so on
- Vehicles driving away from your vehicle
- A vehicle approaching from the parking spot next to your vehicle
- A vehicle approaching at high speed

■ Situations where the RCTA function may not work properly

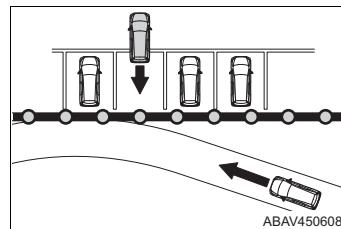
- The RCTA function may not detect vehicles correctly in the following circumstances.
 - The sensor positions or orientations are off due to a strong impact applied to the sensors or the surrounding areas
 - The sensors or the rear bumper near the sensors are covered with mud, snow, ice, or stickers
 - Driving on a wet road or driving in a puddle under bad weather conditions, such as heavy rain, snow, or fog

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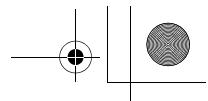
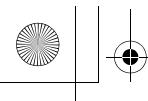
- When several vehicles are passing continuously behind your vehicle or when a vehicle is approaching from the opposite direction to the vehicle detected first
- When the vehicle is parked on a hill or an uneven road
- When the vehicle has accessories such as a bicycle carrier installed in the rear side
- When the vehicle is moving backward on a steep hill with varying slopes
- When the vehicle is parked diagonally
- Right after turning on the RCTA function
- Right after starting the engine <hybrid system> with the RCTA function turned on
- When being affected by radio wave interference from the radar sensors installed on the vehicle parked next to your vehicle
- When getting out from a sloped parking spot
- When a large vehicle is parked next to your vehicle
- When the vehicle is backing up at fast speed

● The RCTA function may have more unnecessary detections, especially in the following circumstances.

- The sensor positions or orientations are off due to a strong impact applied to the sensors or the surrounding areas
- When another vehicle passes through the side of your vehicle
- When the vehicle is traveling on a road facing a parking lot



- When metal objects (such as guardrails, walls, signs, parked vehicles) that can easily reflect radio waves are located behind the vehicle
- When the vehicle has accessories such as a bicycle carrier installed in the rear side
- When buildings or roadside walls are present in the direction to which the vehicle is backing up



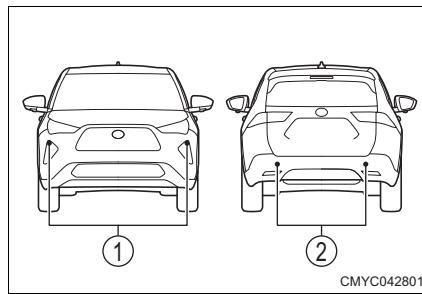
Corner sensors*/Reverse sensors*

Corner sensors/Reverse sensors are the system that uses the sonar to recognize the approximate distance between the vehicle and the obstacle, and that notifies the driver of its presence by the buzzer and display indicators when the vehicle speed is approx. 10 km/h (6 mph) or less.

Sonar positions and types

① Front sonar*

The front corner sensors are used to recognize necessary information.



② Rear sonar for reverse sensor

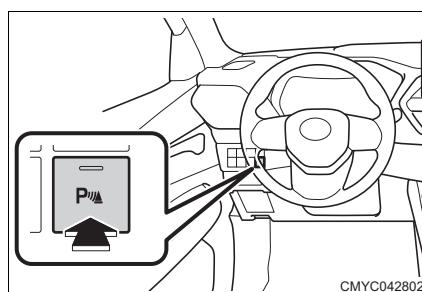
The reverse sensors are used to recognize necessary information.

Switching corner sensors and reverse sensors (For vehicles with corner sensors)

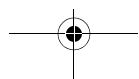
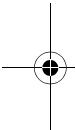
Press the switch

Pressing the switch turns on the corner sensors or reverse sensors and lights up the switch-on indicator.

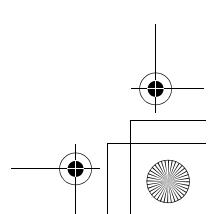
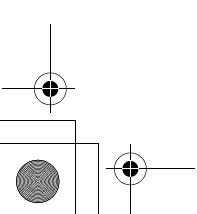
To turn it off, press the switch again.



4
Driving



*: If equipped

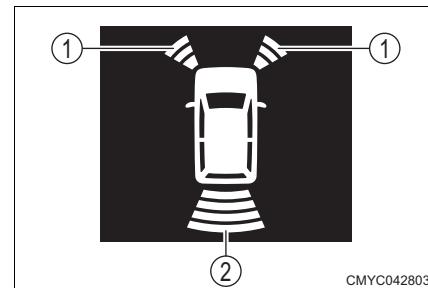


How to display the corner sensors or reverse sensors

Once an obstacle is recognized, they are displayed automatically.

① Front corner sensor ON indicator*

② Reverse sensor ON indicator



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How to read the distance display

When an obstacle is recognized while all the activation conditions are satisfied, the driver is notified of its presence by the buzzer and display indicators.

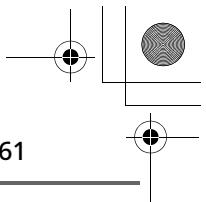
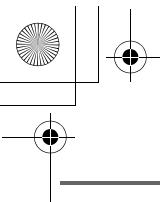
- The buzzer will sound when the parking brake is not applied.
- When the distance to the obstacle becomes shorter, the buzzer and display indicators will change, as shown in the figure below.

Buzzer	Display indicator	Distance between sonar and obstacle
A high-pitch intermittent beep continues (intermittent sound)		Approx. between 130 and 60 cm (51 and 23 in.)*
A high-pitch intermittent beep continues (intermittent sound)		Approx. 60 to 45 cm (23 - 17 in.)
A high-pitch short beep continues (intermittent sound)		Approx. 45 to 30 cm (18 - 12 in.)
A high-pitch long beep (continuous sound)		Within approx. 30 cm (12 in.)

- When sonar has recognized more than one obstacle simultaneously, the buzzer for the closest obstacle will sound.

* Reverse sensors only

*: If equipped

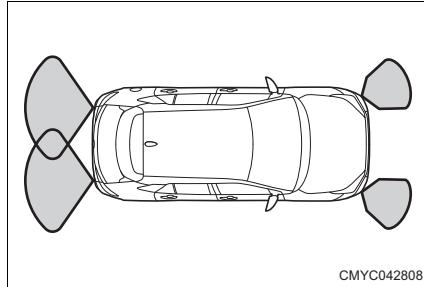


Sonar's obstacle recognition range

The recognition areas are shown in the right figure.

However, if the obstacle is too close to the sonar, the recognition fails.

Depending on the obstacles' shape and conditions, the recognition range may become shorter, or the recognition may fail.



CMYC042808

■ Operating conditions

● Front corner sensors:

- When the engine switch <power switch> is "ON"
- When the corner sensors/reverse sensors switch is ON
- When the shift lever is set in other than P, and the vehicle speed is approx. 10 km/h (6 mph) or less

4

Driving

● Reverse sensors:

- When the engine switch <power switch> is "ON"
- When the shift lever is set in R, and the vehicle speed is approx. 10 km/h (6 mph) or less

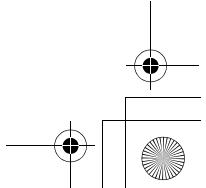
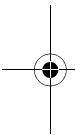
● When an obstacle is recognized with all the activation conditions satisfied and the parking brake not being applied, the buzzer will sound.

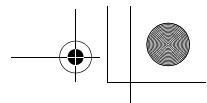
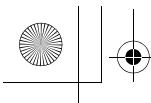
■ Sonar recognition capabilities

● The sonar recognition range is limited to the area around the sonar on the front side of the vehicle and the rear bumper of the vehicle.

● It takes some time from when the sonar recognizes an obstacle until the corner sensors or reverse sensors become activated. If the vehicle gets too close to the obstacle before the buzzers sounds, the buzzer may not sound even when the vehicle is traveling at a slow speed.

● While the audio or air conditioning system is turned on, the music or fan noise makes the buzzer sound difficult to hear.





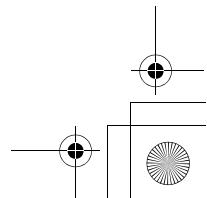
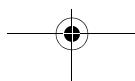
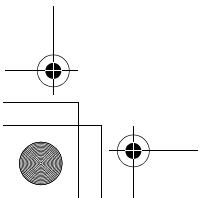
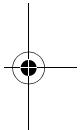
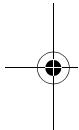
■ When the high-pitch short beeps sound 3 times repeatedly and the corner sensor or reverse sensor ON indicator appears at 2 front locations or 2 rear locations simultaneously

- The corner sensor or reverse sensor functionality has been degraded.
When the corner sensor or reverse sensor functionality temporarily turns off, check if the sonar is not covered with rain, snow, ice, or dirt. Remove those attached to it, then wait for the functionality to be restored to normal.
- If the master warning light turns on at this time, it may indicate a malfunction of the system. Have the vehicle inspected at your Toyota dealer.
- Depending on the conditions, the warning messages as "Sonar Sensor Function Stop" and "Sonar Sensor Malfunction Visit Your Dealer" will be displayed.

■ Corner sensors and reverse sensors

In the following cases, the system may become activated even when there is no obstacle within the operating range.

- When driving an area where the road slopes suddenly change
- When passing through plastic curtains or driving under flags
- When water splashes or drifting snow whirls up
- When passing an obstacle at close range
- When using an elevator for automobiles or using a mechanical parking lot
- When driving over a bump with an obstacle near the vehicle
- When there is an obstacle near the side of the vehicle
- When the road surface has large bumps, curbstones or protrusions, or when the ground surface has tire tracks and holes
- When entering into a tight space
- During pouring rain or when water splashes over the vehicle
- Bad weather (heavy rain, snowstorm, fog, etc.)
- When the following is present near the vehicle: the sound of other vehicles' horns, motorcycle engines, and air brakes of large vehicles, the devices emitting ultrasonic waves, such as vehicle detectors, or sonar systems of other vehicles
- When commercially available electrical components (such as an internally illuminated number plate, radio antenna) are installed near the sonar sensors
- When the vehicle body has been considerably tilted
- When the vehicle height has significantly changed by the load conditions, etc.
- When the direction of the sonar sensors is deviated by a collision or other causes



- When the sonar sensors are covered with rain, snow, ice or dirt

WARNING

■ Before using the corner sensors or reverse sensors

Make sure to observe the following precautions.

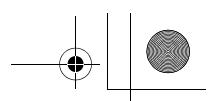
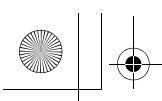
Failure to do so is dangerous, as it may lead to an unforeseen accident.

- Do not let the vehicle speed exceed approx. 10 km/h (6 mph).
- There is a limit to the sonar's recognition range and activation speed. When you move your vehicle forward or backward, make sure to check the safety around the vehicle, which is outside the sonar's recognition range (especially the sides of the vehicle), use the brake pedal to control the speed adequately and drive slowly.
- Do not paste stickers or install accessories on the sonar sensors or their surrounding areas.
- If the warning message "Sonar Sensor Function Stop" appears, check the sonar conditions. If the warning message appears even when the sonar is not covered with rain, snow, ice, or dirt, it could be due to a malfunction of the corner sensors or reverse sensors. Have the vehicle inspected at your Toyota dealer.

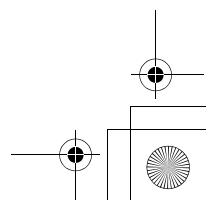
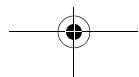
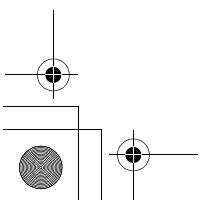
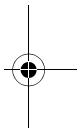
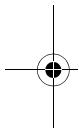
■ Corner sensors and reverse sensors

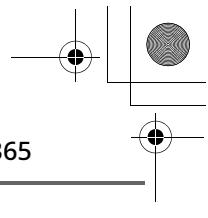
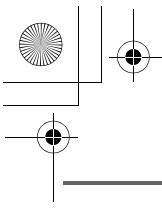
In the following situations, the corner sensors or reverse sensors may not work normally and could lead to an unforeseen accident. Make sure to drive carefully.

- Road conditions (slopes, unevenness, etc.)
- Vehicle's maintenance conditions (brake-related issues, worn out tires, inflation pressure, driving on a spare tire, etc.)
- Bad weather (heavy rain, snowstorm, fog, etc.)
- When the vehicle is significantly tilted by carrying a heavy load or being on the surface with different height, or when the vehicle height has significantly changed
- Distance from the obstacle, orientation or position (the obstacle is located near the center of the vehicle)
- When driving on a steep slope

**WARNING**

- When the sonar system cannot recognize the obstacle correctly (the following cases in particular)
 - When an obstacle is extremely close to the sonar (when approaching too close to the obstacle, the buzzer may change from continuous sound to intermittent sound)
 - When an obstacle is located at a high position from the ground
 - Short obstacles
 - Small obstacles (such as small animals and infants), narrow obstacles
 - Moving objects (those appearing suddenly or traveling across the vehicle)
 - Sponge-like items or obstacles with soft surfaces such as snow, which are likely to absorb sound waves
 - When the obstacle's surface is diagonal to the vehicle
 - A wall that is not perpendicular to the ground
 - Non-planar walls, such as those with uneven or wavy surface
 - Thin obstacles such as wires, wire mesh, ropes, road signs, utility poles and other poles
 - When pillars or pipes are sticking out from the wall
 - When an unrecognizable obstacle is located between a recognizable obstacle and the vehicle
 - Obstacles located outside of the sonar's recognition range
 - When the sonar sensor areas are extremely hot under the blazing sun or extremely cold during winter
 - When the sonar sensors are covered with rain, snow, ice or dirt
 - During pouring rain or when water splashes over the vehicle, or strong wind blowing
 - When there is a loud noise around, or there are devices emitting ultrasonic waves (the sound of other vehicles' horns, motorcycle engines, and air brakes of large vehicles, vehicle detectors, or sonar systems of other vehicles)
 - When commercially available electrical components (such as an internally illuminated number plate, radio antenna) are installed near the sonar sensors
 - When the direction of the sonar sensors is deviated by a collision or other causes





NOTICE

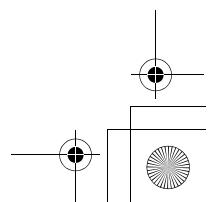
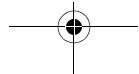
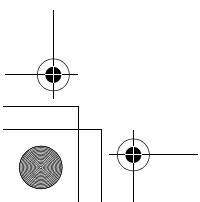
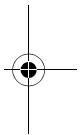
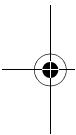
■ Abnormality with the corner sensors and reverse sensors

In the following cases, abnormalities with the sonar may be preventing the system from working properly. Have the vehicle inspected at your Toyota dealer.

- When the corner sensors or reverse sensors became activated while no obstacle is recognized
- When a strong impact or force is applied to the sonar or its surrounding areas
- When the sonar's surrounding area has been deformed by an accident or other reasons

■ Precautions when washing the vehicle

- Do not splash water directly to the sonar areas using a high-pressure washer during a car wash. The high water pressure adds stress and may prevent the system from working properly.
- When you wash the car with a machine using steam, keep the steam away from the sonar area. The steam may cause the system to malfunction.



Rear-view camera*

The rear-view camera is a device designed to assist driving when the vehicle backs up, such as during parking, by displaying the vehicle's rear-view image on the multimedia screen.

The operation may differ depending on the multimedia system your vehicle has. For details, refer to the included instruction manual.

The screen illustration used in this document is an example. The actual image displayed will be different from this illustration in terms of how the vehicle appears.

Rear-view camera screen display

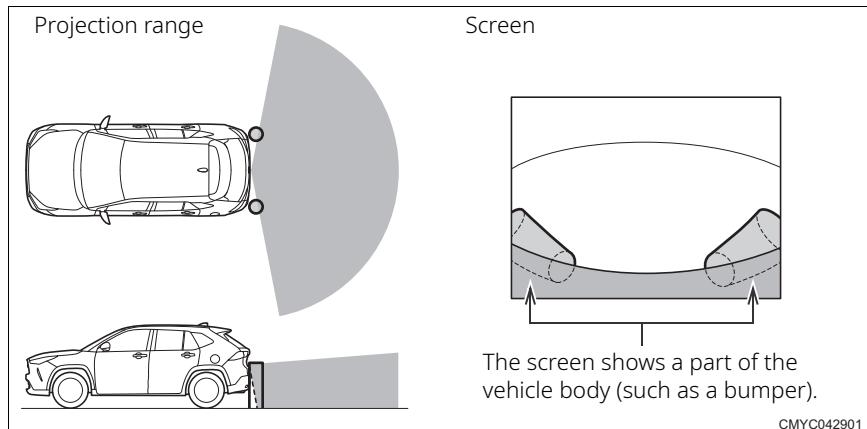
When the shift lever is set to R with the engine switch <power switch> turned "ON", the multimedia screen shows the vehicle's rear-view image.

Setting the shift lever to other than R will restore the previous screen.

The rear-view camera image takes precedence over any other screen display.

Precautions for the rear-view camera

■ Screen projection range



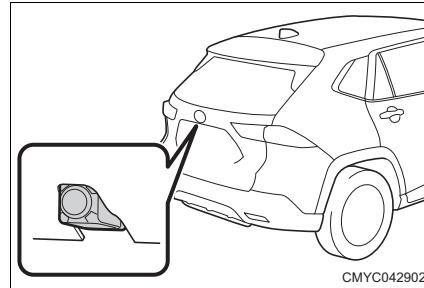
- The projection range may be different depending on the vehicle and road conditions.

*: If equipped

- The projection range of the rear-view camera is limited. The camera does not capture items located near both edges of the bumper or those located under the bumper.
- Since the rear-view camera uses a special lens, the distance in the camera view is different from the actual distance.
- The colors of the rear-view camera image may appear different from the actual colors.
- Anything placed above the rear-view camera may not appear on the monitor.

■ Camera

The rear-view camera is installed at the following location.

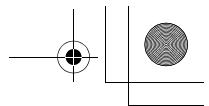
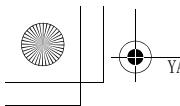


4
Driving

● Camera maintenance and care

If foreign objects, such as water droplets, snow, or dirt, are attached to the camera, you cannot see a clear image. In this case, wash out dirt from the camera with water, and wipe it off with a soft cloth dampened with water. For persistent stains, wash it off with neutral detergent.

- The following situations may make it difficult to view the screen, but they are not the sign of malfunction.
 - Dark places (such as at night)
 - When the temperature near the lens is high or low
 - When water droplets are attached to the rear-view camera or the humidity is high (such as during rain)
 - When foreign objects (including dirt) are attached near the rear-view camera
 - When the sunlight or the headlight beam has directly shined on the lens of the rear-view camera

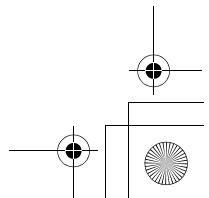
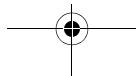
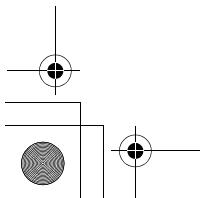
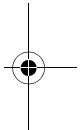
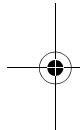


WARNING

■ Rear-view camera

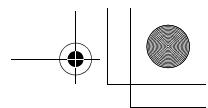
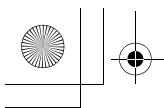
Failure to observe the following may cause death or serious injury.

- Do not overly rely on the rear-view camera. Just as when you drive a vehicle without the rear-view camera, make sure to check the safety around and behind your vehicle and drive carefully. Be particularly careful not to collide with the parked vehicles nearby, obstacles, or people.
- When you back up, make sure to check the safety around and behind your vehicle and drive carefully.
- Never drive the vehicle while looking at the screen only.
The image displayed on the screen may be different from the actual situation. Note that the projection range of the camera is limited. Never back up while looking at the screen only. Doing so could get your vehicle hit or lead to an unforeseen accident. Be sure to confirm the safety around by visually checking the surroundings with your eyes or using the inside rear view mirror and the outside rear view mirrors before driving.
- Never use it in the situations listed below.
 - Frozen, slippery or snowy roads
 - When tire chains or spare tires are used
 - When the back door is not closed fully
 - On a non-flat road surface such as slopes
- If the outside temperature is low, the screen may become dim and the image may become blurry. Especially since the moving objects may appear blurred or disappear from the screen, always check the safety around you directly with your eyes while driving.



NOTICE**■ Camera handling**

- Be careful with the following since they could cause the rear-view camera to malfunction.
 - Do not install any item around the camera, which could interfere with the camera's field of view (such as an item blocking the view or light-emitting objects, items made of shiny materials).
 - Do not apply strong impact to the camera unit, such as hitting it hard or bumping it against another object. Doing so could cause the camera position or mounting angle to be deviated.
 - The camera unit has a waterproof structure. Do not remove, disassemble or alter it.
 - When you wash the camera lens, use water to wash the dirt off from the camera and wipe it off with a soft cloth dampened with water.
If you rub the camera lens too hard, it could scratch the camera lens, and you will not be able to see clear images.
 - The camera's cover is made of resin. Do not allow organic solvents, body wax, oil film remover, and glass coating agent to get attached to it. If they get attached, wipe it off immediately.
 - Do not expose it to rapid temperature changes, such as by pouring hot water over it in cold weather.
 - Do not splash water directly to the camera or areas around the camera using a high-pressure washer during a car wash. The high water pressure adds stress and may prevent the system from working properly.
- Applying shock to the camera unit may cause the camera to malfunction. Have the vehicle inspected at your Toyota dealer at your earliest convenience.



Panoramic view monitor*

The panoramic view monitor is a device designed to assist driving at low speed by synthesizing images of the front, side and rear-view cameras installed on the vehicle and showing them on the multimedia screen.

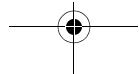
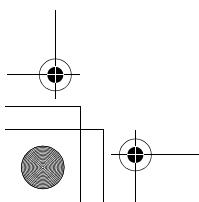
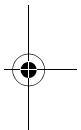
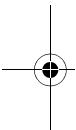
The screen is split into 2 parts: left and right. The left side shows the top view, and the right side shows the front and rear view.

Also, you can check obstacles around the vehicle on the left & right side view, left side & rear view, front wide view, and rear wide view.

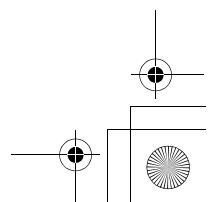
The screen image and projection range may be different depending on the view. (→ P. 372)

For details, refer to the instruction manual included with the multimedia system.

The screen illustration used in this document is an example. The actual image displayed will be different from this illustration in terms of how the vehicle appears.



*: If equipped



Panoramic view monitor screen display

While the engine switch <power switch> is "ON", the panoramic view monitor screen is displayed according to the shift position, vehicle speed, and multimedia system operation.

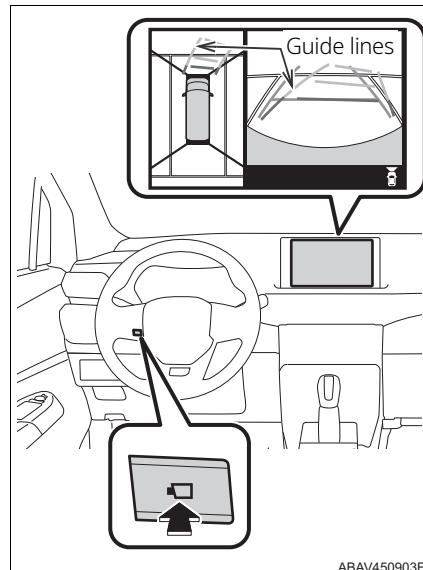
The rear-view camera image takes precedence over any other screen display.

■ Guide lines*

It displays guide lines indicating the course and distance, such as the predicted course line and distance guide line.

The displayed guide lines are different depending on the view.

* For details, refer to the instruction manual included with the multimedia system.

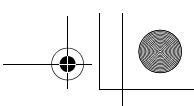
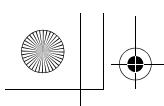


4

Driving

■ Setting the guide line display ON/OFF

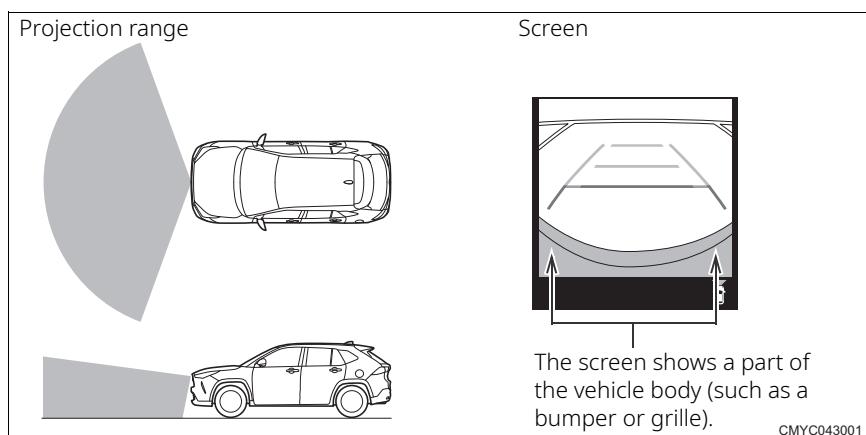
- 1 Set the shift lever to P and apply the parking brake
- 2 Press the camera switch to display the front wide view
- 3 Each time you press and hold the camera switch, the respective guide line display is turned ON/OFF



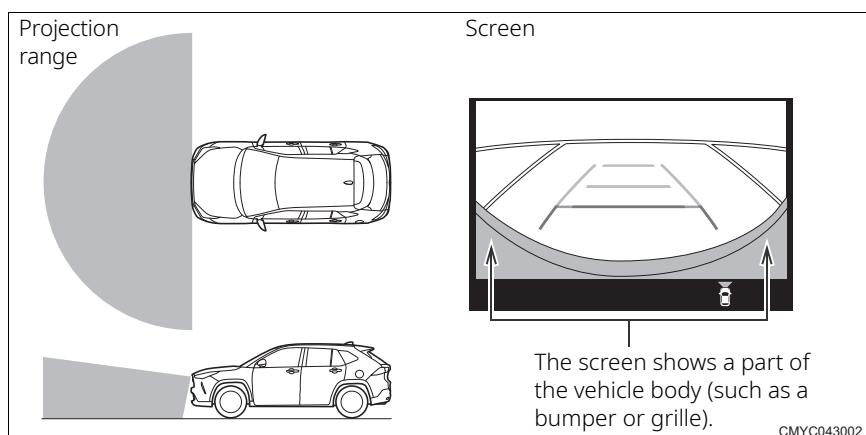
Precautions for the panoramic view monitor

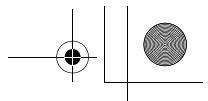
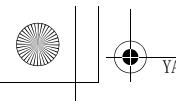
■ Screen projection range

► Front view

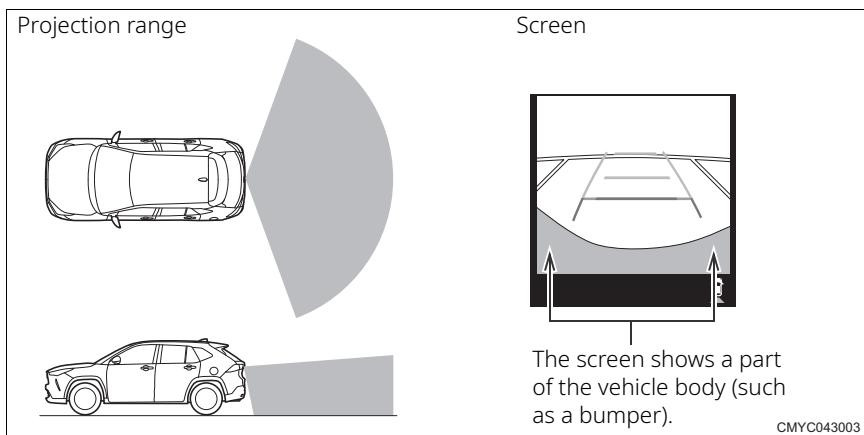


► Front wide view

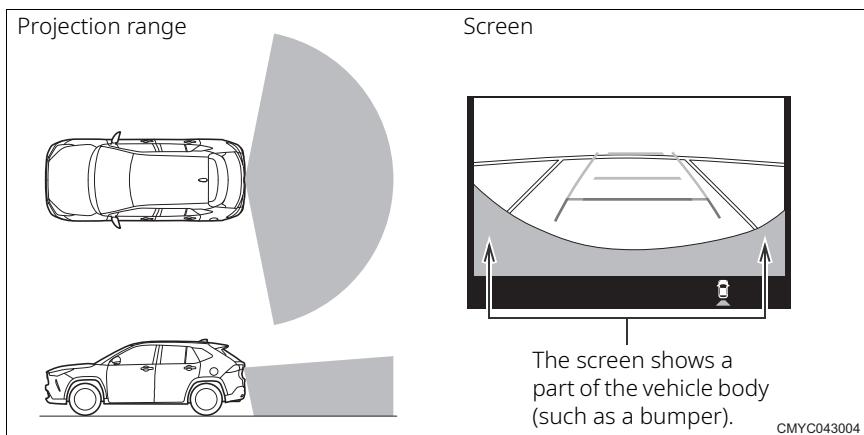




► Rear view

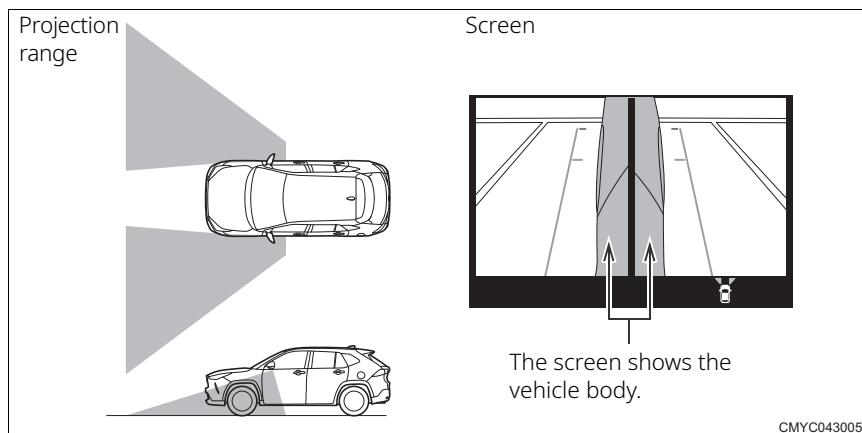


► Rear wide view



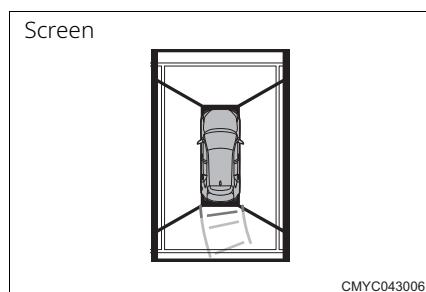
374 4-5. Using the driving support systems

► Side view



CMYC043005

► Top view

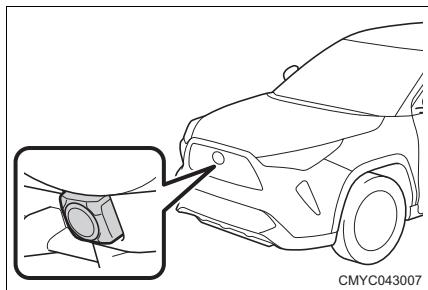


- The top view is a pseudo image processed by combining images from the front camera, side cameras (left and right), and rear-view camera, so the obstacles are displayed farther away from the actual location.
- The projection range may be different depending on the number of occupants, load capacity, and conditions such as road slopes.
- The projection range of the panoramic view monitor is limited. It does not capture items located near both edges of the bumper or those located under the bumper. Also note that the top view may not show items near the boundaries of the camera image or those located higher than the camera.
- Since the camera uses a special lens, the distance in the camera view is different from the actual distance.
- The colors of the panoramic view monitor image may appear different from the actual colors.

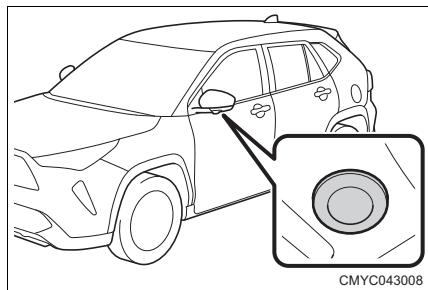
■ Camera

Each camera of the panoramic view monitor is installed at the following location.

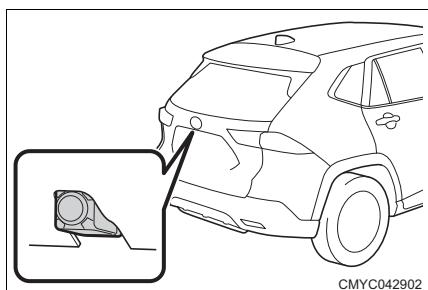
► Front camera



► Side cameras (left and right)



► Rear-view camera



4

Driving

● Camera maintenance and care

If foreign objects, such as water droplets, snow, or dirt, are attached to the camera, you cannot see a clear image. In this case, wash out dirt from the camera with water, and wipe it off with a soft cloth dampened with water. For persistent stains, wash it off with neutral detergent.

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- When multimedia system other than that compatible with the panoramic view monitor is installed, the panoramic view monitor may not work normally.
- The following situations may make it difficult to view the screen, but they are not the sign of malfunction.
 - Dark places (such as at night)
 - When the temperature near the lens is high or low
 - When water droplets are attached to the camera or the humidity is high (such as during rain)
 - When foreign objects (including dirt) are attached near the camera
 - When the sunlight or the headlight beam has directly shined on the lens of the camera

 **WARNING**

■ **Panoramic view monitor**

Failure to observe the following may cause death or serious injury.

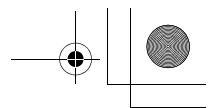
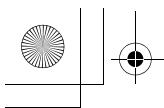
- Do not overly rely on the panoramic view monitor. Just as when you drive a vehicle without the rear-view camera, make sure to check the safety around and behind your vehicle and drive carefully. Be particularly careful not to collide with the parked vehicles nearby, obstacles, or people.
- When you drive, make sure to check the safety around and behind your vehicle and drive carefully.
- Never drive the vehicle while looking at the screen only.
The image displayed on the screen may be different from the actual situation. Note that the projection range of the camera is limited. Never make a right or left turn or back up while looking at the screen only. Doing so could get your vehicle hit or lead to an unforeseen accident. Be sure to confirm the safety around by visually checking the surroundings with your eyes or using the inside rear view mirror and the outside rear view mirrors before driving.
- Never use it in the situations listed below.
 - Frozen, slippery or snowy roads
 - When tire chains or spare tires are used
 - When the front door or back door is not closed fully
 - On a non-flat road surface such as slopes
 - When the outside rear view mirrors are folded
- If the outside temperature is low, the screen may become dim and the image may become blurry. Especially since the moving objects may appear blurred or disappear from the screen, always check the safety around you directly with your eyes while driving.

NOTICE**■ Camera handling**

- Be careful with the following since they could cause the panoramic view monitor to malfunction.
 - Do not install any item around the camera, which could interfere with the camera's field of view (such as an item blocking the view or light-emitting objects, items made of shiny materials).
 - Do not apply strong impact to the camera unit, such as hitting it hard or bumping it against another object. Doing so could cause the camera position or mounting angle to be deviated.
 - The camera unit has a waterproof structure. Do not remove, disassemble or alter it.
 - When you wash the camera lens, use water to wash the dirt off from the camera and wipe it off with a soft cloth dampened with water.
If you rub the camera lens too hard, it could scratch the camera lens, and you will not be able to see clear images.
 - The camera's cover is made of resin. Do not allow organic solvents, body wax, oil film remover, and glass coating agent to get attached to it. If they get attached, wipe it off immediately.
 - Do not expose it to rapid temperature changes, such as by pouring hot water over it in cold weather.
 - Do not splash water directly to the camera or areas around the camera using a high-pressure washer during a car wash. The high water pressure adds stress and may prevent the system from working properly.
- In the following cases, the camera could be malfunctioning. Have the vehicle inspected at your Toyota dealer at your earliest convenience.
 - When the camera unit was hit
 - When the top view image is far out of alignment

4

Driving



Driving assist systems

The following devices automatically operate according to the driving conditions to improve driving safety and performance. However, these systems are supplementary and you should be careful not to over-rely on them while driving.

◆ ECB (Electronically Controlled Brake System) (hybrid electric vehicles)

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 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.

◆ TRC (Traction Control)

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

◆ Hill-start assist control

Prevents the vehicle from moving backwards when starting on an uphill.

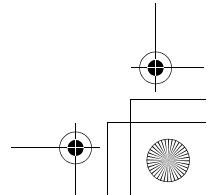
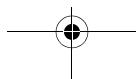
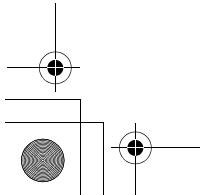
◆ EPS (Electric Power Steering)

Uses an electric motor to assist steering operation.

◆ Toyota Safety Sense*

→ P. 271

*: If equipped

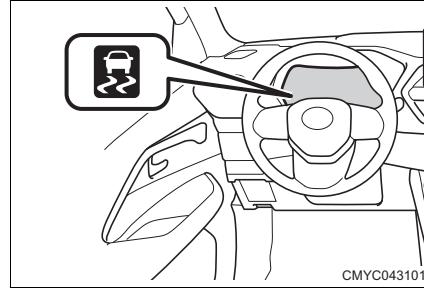


◆ Emergency brake signal

Emergency flashers automatically flash when braking suddenly, alerting the following vehicle and reducing the possibility of a collision.

When VSC/TRC/ABS is operating

When VSC/TRC/ABS is operating, the slip indicator flashes.



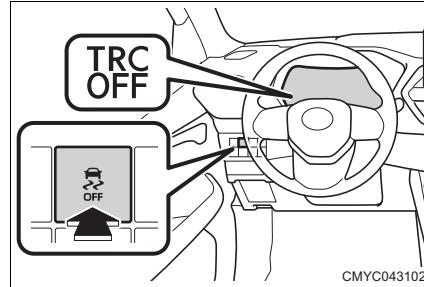
To stop TRC

If TRC is activated when escaping from a muddy, sandy, or snowy road, the engine <hybrid system> output may not increase even when the accelerator pedal is depressed, making it difficult to escape. In such a case, pressing  may make it easier to escape.

Press  to stop TRC

The TRC OFF indicator lights.

Press  again to return to system ready state.



■ To stop VSC and TRC

To stop VSC and TRC, press and hold  for 3 seconds or more when the vehicle has come to a stop.

The TRC OFF indicator and VSC OFF indicator light up.

Press  again to return to system ready state.

■ When the TRC OFF indicator lights up without pressing



The TRC and hill-start assist control cannot be activated. Contact your Toyota dealer.

■ Activation of ABS/VSC

ABS/VSC does not work at low speeds. The operation is the same as the normal brake.

■ Activation sound and vibration of the ABS, brake assist, VSC, TRC, and hill-start assist control

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the engine <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 them indicates that a malfunction has occurred.
 - Vibrations may be felt through the vehicle body and steering wheel
 - A motor sound may be heard even after the vehicle has come to a stop
 - The brake pedal may pulsate slightly after the ABS is activated
 - The brake pedal may move down slightly after the ABS is activated

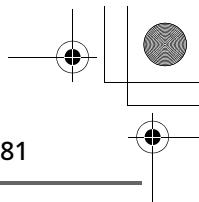
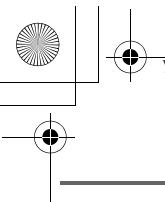
■ ECB operating sound (hybrid electric vehicles)

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.

■ EPS motor operation sound

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



■ Automatic reactivation of VSC and TRC

After turning the TRC and VSC systems off, the systems will return to the ready state in the following situations:

- When the engine switch <power switch> is turned to "OFF"
- If only the TRC system is turned off, when vehicle speed increases
If both the TRC and VSC systems are turned off, automatic reactivation will not occur when vehicle speed increases.

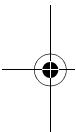
■ Reduced effectiveness of the EPS system

The effectiveness of the EPS system is reduced to prevent the system from overheating when there is frequent steering input over an extended period of time. The steering wheel may feel heavy as a result.

Should this occur, refrain from excessive steering input or stop the vehicle and turn the engine <hybrid system> off. It should return to normal within 10 minutes.

4

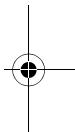
Driving



■ Activation conditions of the hill-start assist control

The system operates when all of the following conditions are met:

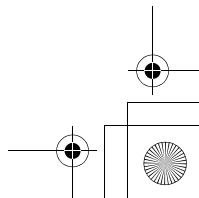
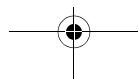
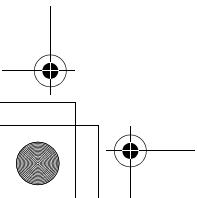
- Continuously variable transmission vehicles or hybrid transmission vehicles:
The shift lever is set to other than P or N (when starting to move the vehicle forward or backward on an uphill)
- Manual transmission vehicles: The shift lever is set to other than R when starting to move the vehicle forward on an uphill or the shift lever is set to R when starting to move the vehicle backward on an uphill
- Vehicle stopped state
- Not depressing the accelerator
- Parking brake is not applied



■ Automatic deactivation of the hill-start assist control

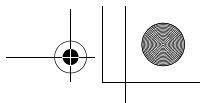
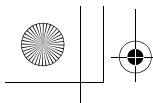
The system is deactivated when one of the following occurs:

- Continuously variable transmission vehicles or hybrid transmission vehicles:
The shift lever is set to P or N
- Manual transmission vehicles: The shift lever is set to R when starting to move the vehicle forward on an uphill or the shift lever is set to other than R when starting to move the vehicle backward on an uphill
- The driver depresses the accelerator
- The driver applies the parking brake
- About 2 seconds have passed since releasing the brake pedal



■ When the slip indicator turns on and the warning message (→ P. 534) appears

It may indicate a malfunction in the systems. Contact your Toyota dealer.

**■ Activation conditions of the emergency brake signal**

The system operates when all of the following conditions are met:

- The emergency flashers are not flashing
- The vehicle speed is 60 km/h (38 mph) or more
- The brake pedal is depressed and the vehicle is deemed to brake suddenly based on the deceleration, or ABS is activated

■ Automatic deactivation of the emergency brake signal

The system is deactivated when one of the following occurs:

- The emergency flashers were set to flashing
- The brake pedal was released
- It was determined that the vehicle did not brake suddenly based on the deceleration
- ABS stopped working

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

- Do not overly rely on the ABS.
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.

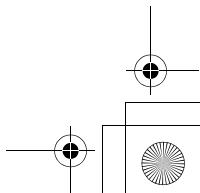
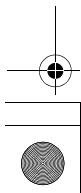
■ Stopping distance when the ABS is operating may exceed that of normal conditions

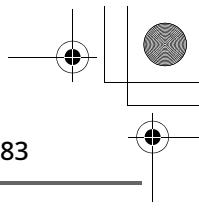
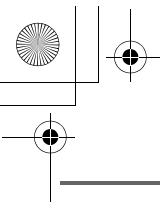
The ABS is not designed to shorten the vehicle's stopping distance. Always maintain a safe distance from the vehicle in front of you, especially in the following situations:

- 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 roads with uneven surfaces

■ TRC/VSC may not operate effectively when

- Do not overly rely on the TRC/VSC.
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.
- The VSC and TRC may not function properly when tire chains are installed.





⚠ WARNING

■ 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 dirt, gravel or snow-covered roads.
- 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.
- The hill-start assist control may not become activated depending on the number of occupants or luggage weight in the vehicle, or if the driver did not step on the brake pedal strong enough when stopping.

■ When the VSC is activated

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

■ When the ABS warning light or slip indicator is on

The emergency brake signal (→ P. 379) may not be activated.

■ 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

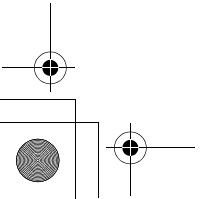
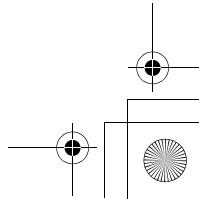
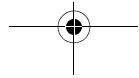
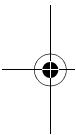
Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.

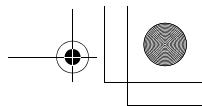
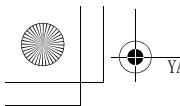
The ABS, TRC and VSC systems will not function correctly if different tires are installed on the vehicle.

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 electric vehicle driving tips

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

Using Eco drive mode

When using Eco drive mode, the torque corresponding to the accelerator pedal depression amount can be generated more smoothly than it is in normal conditions. In addition, the operation of the air conditioning system (heating/cooling) will be minimized, improving the fuel economy. (→ P. 240)

Use of Hybrid System Indicator

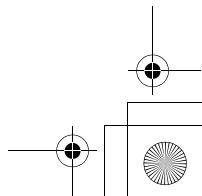
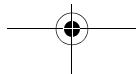
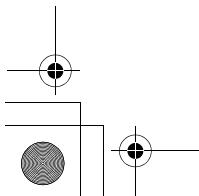
The Eco-friendly driving is possible by keeping the indicate of Hybrid System Indicator within Eco area. (→ P. 112)

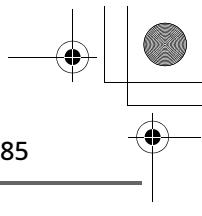
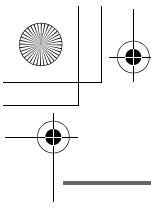
Shift lever operation

Shift the shift lever to D when stopped at a traffic light, or driving in heavy traffic etc. Shift the shift lever to P when parking. When using the N, there is no positive effect on fuel economy. 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 economy. 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.

4

Driving

Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive gasoline consumption.

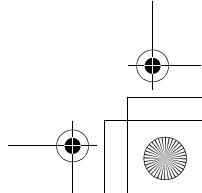
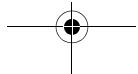
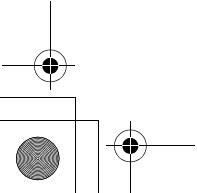
In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.

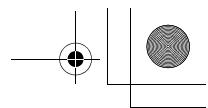
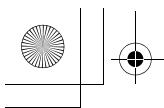
In winter: Because the gasoline engine will not automatically cut out until it and the interior of the vehicle are warm, it will consume fuel. Also, fuel economy can be improved by avoiding overuse of the heater.

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.



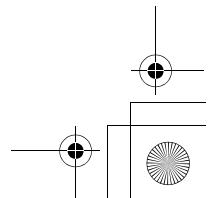
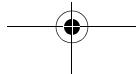
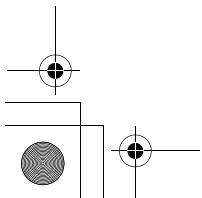
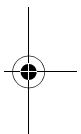
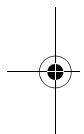


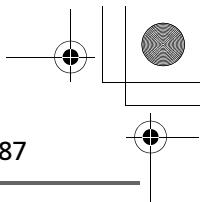
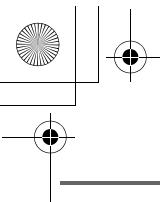
Luggage

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.

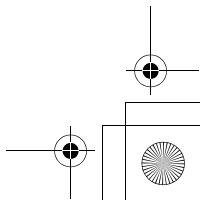
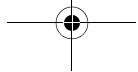
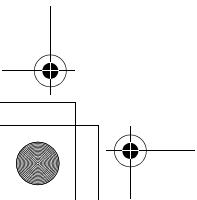
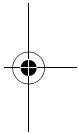
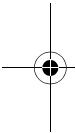
Preparation for winter

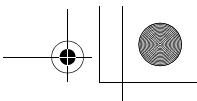
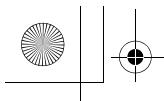
- Use fluids that are appropriate to the prevailing outside temperatures.
 - Engine oil
 - Coolant
 - Washer fluid
- Have a service technician inspect the condition of the battery <12-volt battery>.

Before driving

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 air conditioning 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, outside rear view mirrors, windows, vehicle's roof, chassis, around the tires or on the brakes.
- Look under the vehicle and check that there are no ice blocks around the ground. Remove any attached ice blocks with great care to avoid damaging vehicle components. Also check that the pedals and steering wheel move smoothly.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.





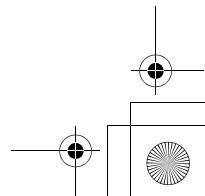
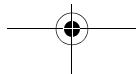
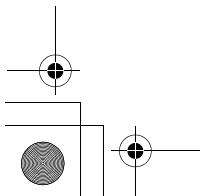
When driving the vehicle

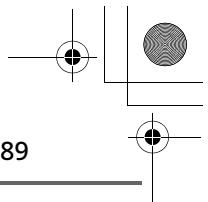
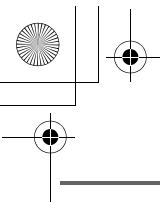
- Accelerate the vehicle slowly, keep a safe distance between you and the vehicle ahead, and drive at a reduced speed suitable to road conditions.
- During snowfall or cold weather, water adhering to the brake system may freeze, and the brakes may become less effective. If brake performance is poor, paying close attention to the surrounding safety, lightly depress the brake pedal several times to confirm that the brakes work properly until their effectiveness is restored.
- When driving on snowy roads, snow attached to the back of the wheel wells freezes and may gradually accumulate, making it difficult to steer. Check that there is no abnormal build-up of snow from time to time. The lights may become dim due to snow during driving, so make sure that there is no abnormal build-up of snow from time to time.

When parking the vehicle

- The parking brake may freeze up, preventing it from being released. For continuously variable transmission vehicles or hybrid transmission vehicles, set the shift lever to P. For the manual transmission vehicles, set the shift lever to R on a downhill, and set it to the gear 1 on an uphill to park. Do not apply the parking brake at this time, and make sure to use wheel chocks. Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an unforeseen accident. When the parking brake is activated by the automatic mode, set the shift lever to P and then release the parking brake. (→ P. 243, 244)
- When you park the continuously variable transmission vehicle or hybrid transmission vehicle without applying the parking brake, confirm that the shift lever will not move* with the shift lever being placed in P.

* The shift lever will be locked if it is attempted to be shifted from P to any other position without depressing the brake pedal. If the shift lever can be shifted, there may be a problem with the shift lock system. Have the vehicle inspected at your Toyota dealer immediately.





⚠ WARNING

■ When the brakes freeze

If normal braking is not restored, have the vehicle inspected at your Toyota dealer immediately.

■ Caution when parking

When parking without applying the parking brake, be sure to use wheel chocks. Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an unforeseen accident.

⚠ NOTICE

■ When removing ice from the windshield and windows

Do not hit and break the ice.

The glass may crack.

■ When the doors, wipers, windshield, or windows freeze

● Thaw the ice by applying lukewarm water.

Hot water may damage or deform components.

● If the wipers, outside rear view mirrors, or windows are forcibly activated while frozen or when snow is strongly attached, the wiper rubber may be damaged or the motor may break.

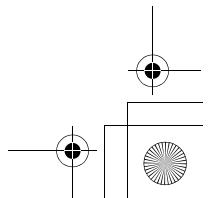
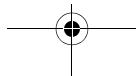
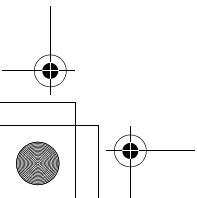
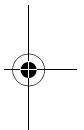
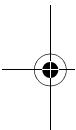
■ Repairing or replacing snow tires (vehicles with the tire pressure warning system)

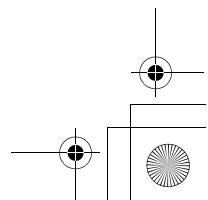
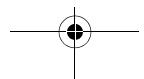
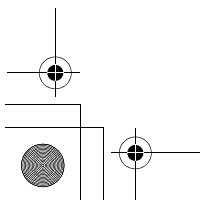
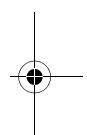
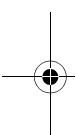
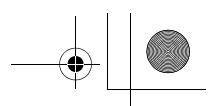
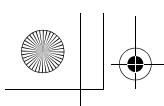
Request repairs or replacement of snow tires from Toyota dealers or legitimate tire retailers.

This is because the removal and attachment of snow tires affects the operation of the tire pressure warning valves and transmitters.

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

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





Interior features**5****5-1. Using the air conditioning system and defogger**

- Manual air conditioning system 392
- Automatic air conditioning system 400

5-2. Using the audio system

- Steering switches 409

5-3. Using the interior light

- Interior lights list 410

5-4. Storage features

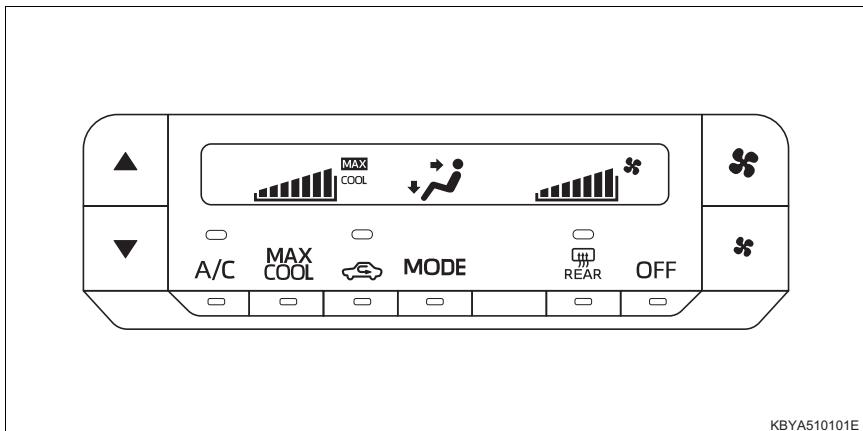
- List of storage features 415
- Luggage compartment features 420

5-5. Using the other interior features

- Other interior features 425

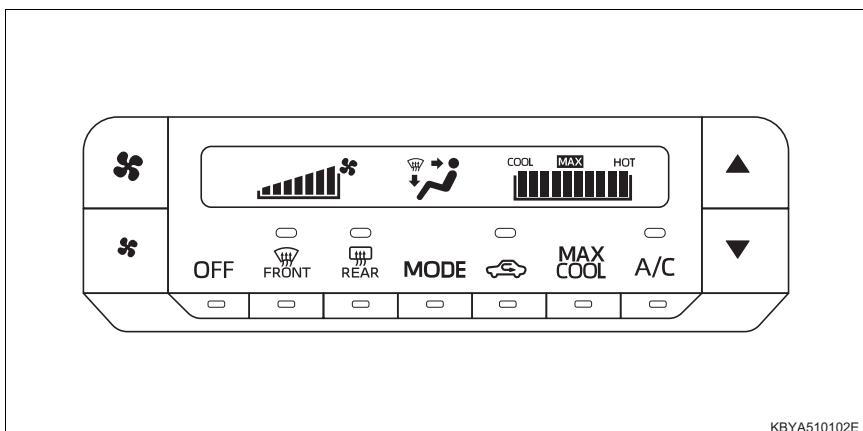
Manual air conditioning system*

► Vehicles without heaters



KBYA510101E

► Vehicles with heaters



KBYA510102E

*: If equipped

5-1. Using the air conditioning system and defogger

Operating the air conditioning system**■ Adjusting the cooler settings (vehicles without heaters)**

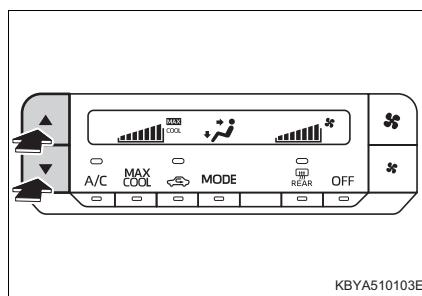
Press (increase) or

(decrease)

Press **A/C** to use the air conditioning and dehumidifier.

If **A/C** is not pressed, the air conditioning system can be used for ventilation.

For quick cooling, press **MAX COOL**.



KBYA510103E

■ Adjusting the temperature settings (vehicles with heaters)

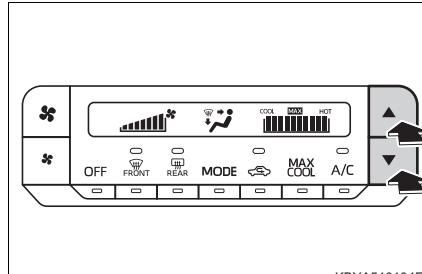
Press to increase the set tem-

perature and press to decrease it

Press **A/C** to use the air conditioning and dehumidifier.

If **A/C** is not pressed, the air conditioning system can be used for ventilation or heating.

For quick cooling, press **MAX COOL**.

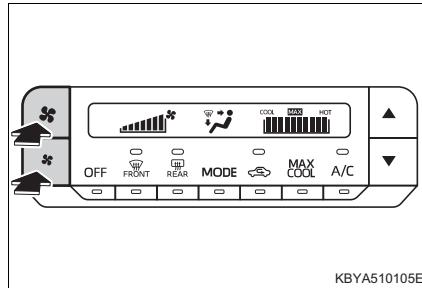


KBYA510104E

■ Changing the fan speed

Press  (increase) or  (decrease)

Press **OFF** to turn the fan off.



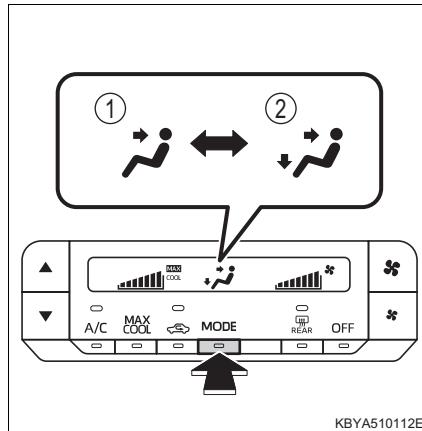
■ Switching the air outlet

► Vehicles without heaters

Press **MODE**

Each time it is pressed, the air outlet is switched.

- ① Air flows to the upper body
- ② Air flows to the upper body and feet

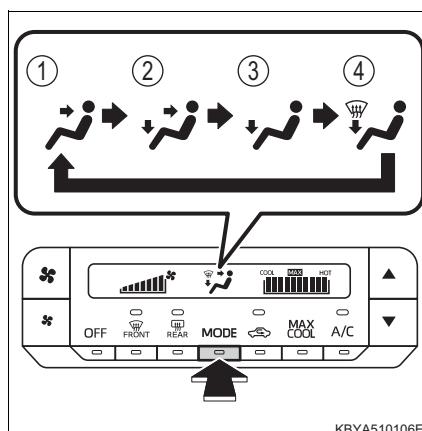


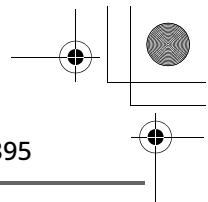
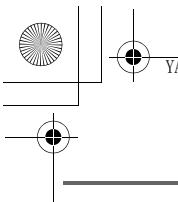
► Vehicles with heaters

Press **MODE**

Each time it is pressed, the air outlet is switched.

- 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 is defogged





Other features

■ Switching between outside air introduction mode and recirculated air mode

Each time  is pressed, the mode is switched between outside air introduction and recirculated air. When the recirculated air mode is selected, the indicator  comes on.

■ Defogging the windshield (vehicles with heaters)

Press 
FRONT

The air conditioning system is started and is automatically set to outside air introduction mode.

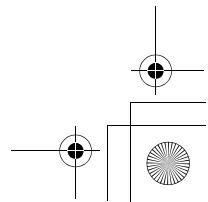
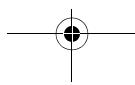
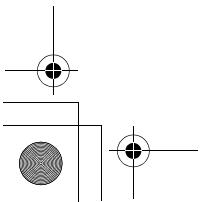
Press 
FRONT after defogging is complete to switch back to the previous mode.

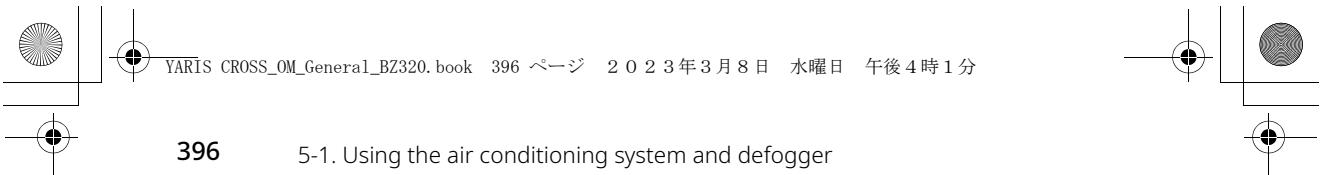
■ Rear window defogger

Use this function to defog the rear window.

Press 
REAR

The rear window defogger will automatically turn OFF after a while.





Air outlets

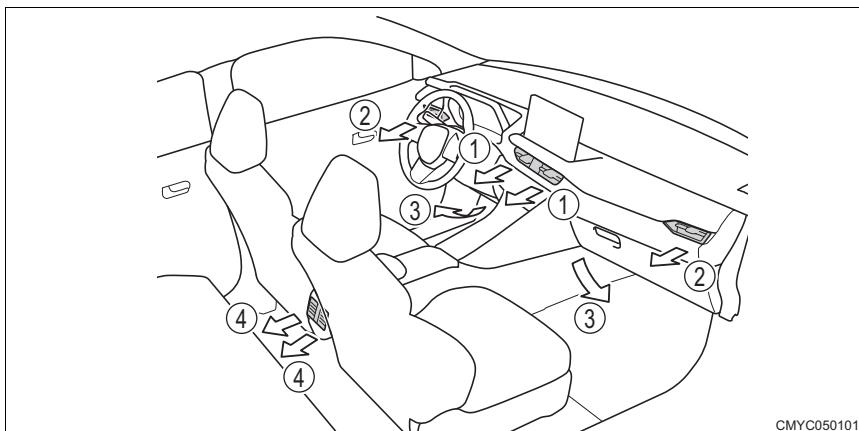
■ Airflow positions (vehicles without heaters)

Depending on air outlet settings, the position and speed of the airflow changes as shown in the following table.

The fan speed depends on the air outlet.

Settings		
Air outlet	(1) (2) (4)*	(1) (2) (3) (4)*

► Positions of air outlets



CMYC050101

■ Airflow positions and fan speed (vehicles with heaters)

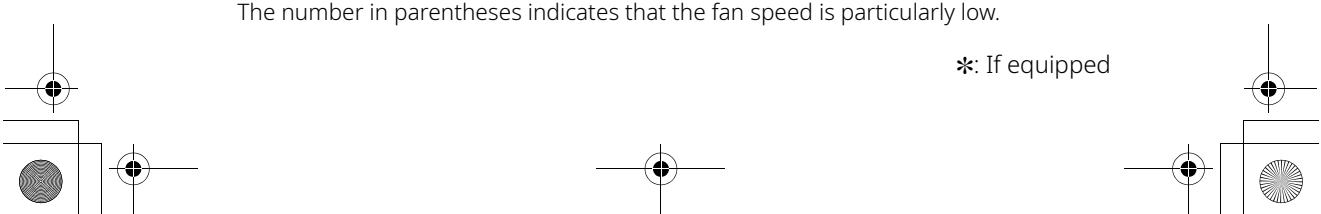
Depending on air outlet settings, the position and speed of the airflow changes as shown in the following table.

The fan speed depends on the air outlet.

Settings					
Air outlet	(2) (3) (5)*	(2) (3) (4)	(3) (4) (5)* (1)	(1) (3) (4) (5)*	(1) (3)

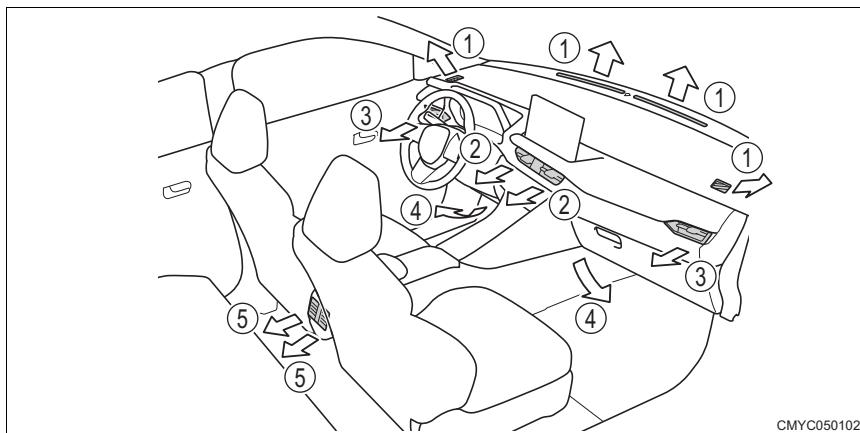
The number in parentheses indicates that the fan speed is particularly low.

*: If equipped



5-1. Using the air conditioning system and defogger

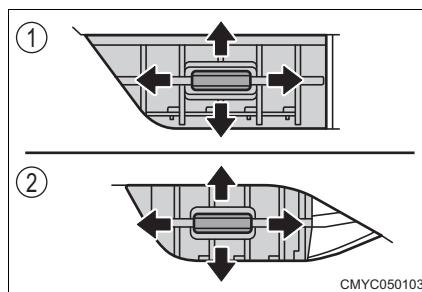
► Positions of air outlets



■ Adjusting the airflow direction and opening/closing the air outlets

► Front

- ① Adjusting the airflow direction of the left and right air outlets
- ② Adjusting the airflow direction of the central air outlets

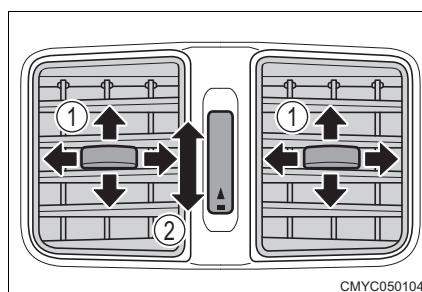


5

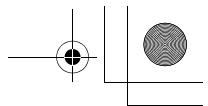
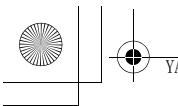
Interior features

► Rear*

- ① Adjusting the airflow direction
- ② Opening/closing the air outlets



*: If equipped



■Using the air conditioning system for cooling

In rare cases, it may appear that fog is blowing out of the air outlet, but this is normal when moist air is suddenly cooled.

■Fogging up of the windows

- The windows will easily fog up when the humidity in the vehicle is high.

Turning  on will flow the dehumidified 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 the outside air temperature drops to around 0°C (32°F)

Even if you press , the air conditioning system may not work.

■When the air outlets are set to

In order to deliver cool air to the driver and passengers' faces and warm air to their feet, depending on the set temperature, the air sent to the driver and passengers' feet will be warmer than the air sent to the upper body.

■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

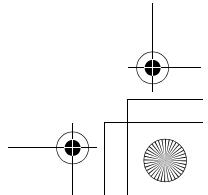
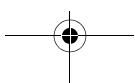
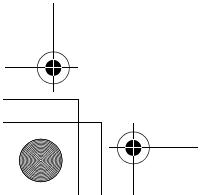
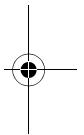
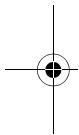
Setting to the recirculated air mode temporarily is recommended in preventing dirty air from entering the vehicle interior and helping to cool the vehicle when the outside air temperature is high.

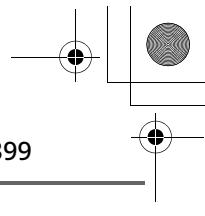
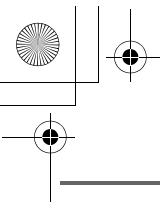
■Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air introduction 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 odors to be emitted from the vents.
- To reduce potential odors from occurring, it is recommended that the air conditioning system be set to outside air introduction mode prior to turning the vehicle off.

■Air conditioning filter

→ P. 488



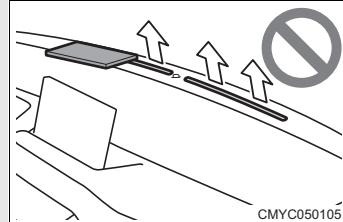


5-1. Using the air conditioning system and defogger

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WARNING**To prevent the windshield from fogging up (vehicles with heaters)**

- Do not press  when setting the temperature of the air conditioning system low in extremely humid weather. Also, do not switch the air outlets to . 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.



CMYC050105

NOTICE**To prevent battery discharge**

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

Air outlets (vehicles with heaters)

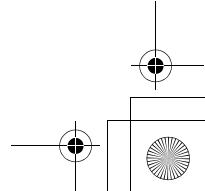
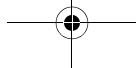
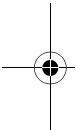
Be careful when adjusting the air outlets while using the air conditioning system for heating, for the outlets will become hot.

Recirculated air (vehicles with heaters)

Do not set the recirculated air (→ P. 395) when the air outlets are at , , or . The windshield and windows may become fogged.

5

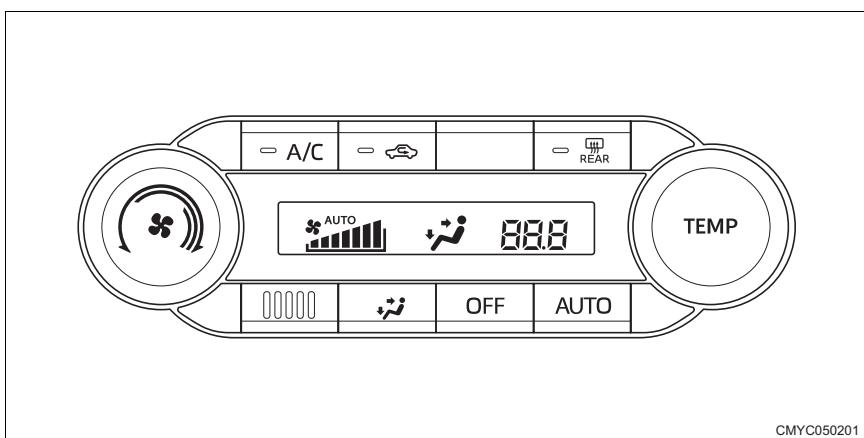
Interior features



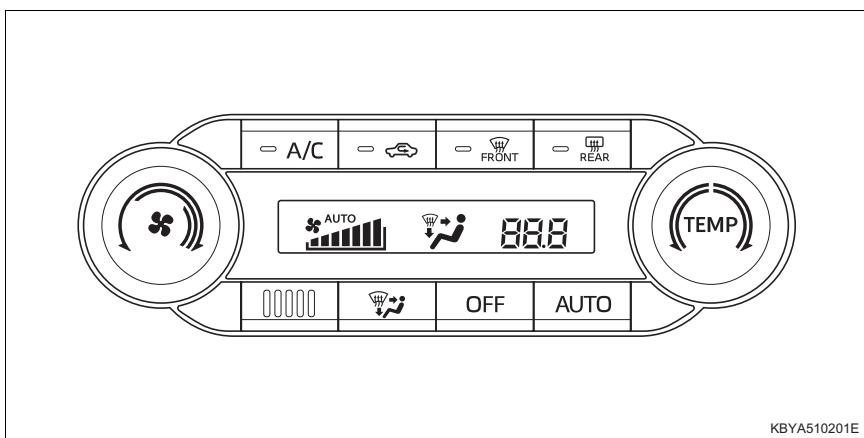
Automatic air conditioning system*

The air outlets and the fan speed are adjusted automatically in accordance with the set temperature.

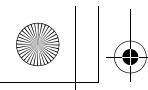
► Vehicles without heaters



► Vehicles with heaters



*: If equipped



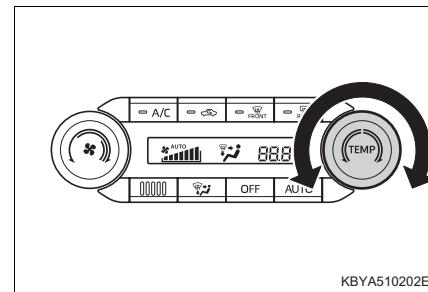
Operating the air conditioning system

■ Adjusting the temperature settings

Turn the temperature adjustment dial to the right to increase the set temperature and to the left to decrease it

If is not pressed, the air conditioning system can be used for ventilation or heating*.

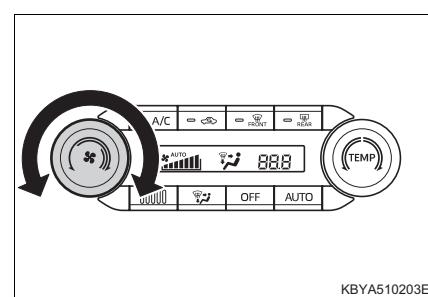
* Vehicles with heaters



■ Adjusting the fan speed

Turn the fan speed adjustment dial to the right to increase the fan speed, or to the left to decrease it

Press OFF to turn the fan off.



5

Interior features

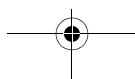
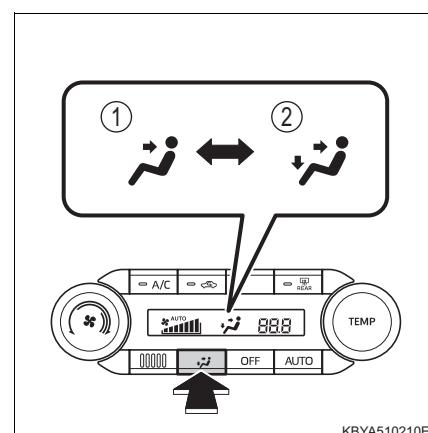
■ Switching the air outlet

► Vehicles without heaters

Press

Each time it is pressed, the air outlet is switched.

- ① Air flows to the upper body
- ② Air flows to the upper body and feet

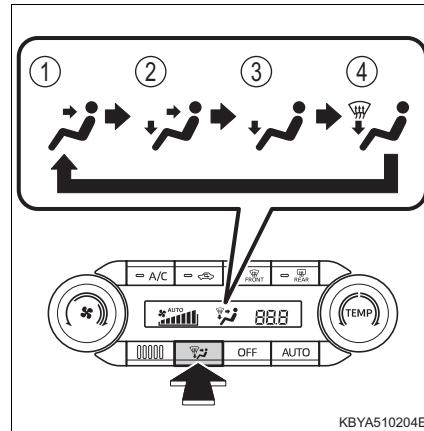


► Vehicles with heaters



Each time it is pressed, the air outlet is switched.

- 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 is defogged



KBYA510204E

Using the automatic mode

- 1** Press AUTO

The air outlets and the fan speed are automatically adjusted.

- 2** Adjust the temperature setting

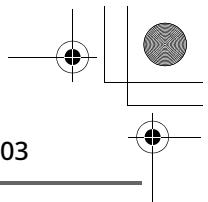
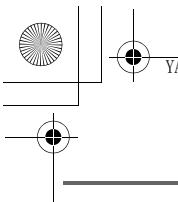
- 3** Press \square A/C (vehicles with heaters)

Each time it is pressed, the air conditioning system is switched ON or OFF.

- 4** Press OFF to turn the fan off

Indicator of the automatic mode

When you adjust the fan speed or the air outlets, the AUTO indicator turns off, but the automatic mode settings other than those you just adjusted continue to work.



Other features

■ Switching between outside air introduction mode and recirculated air mode

Press

Each time the button is pressed, the mode is switched between outside air introduction and recirculated air. When the recirculated air mode is selected, the indicator

comes on.

■ Defogging the windshield (vehicles with heaters)

Press FRONT

The air conditioning system is started and is automatically set to outside air introduction mode.

FRONT after defogging is complete to switch back to the previous mode.

5

Interior features

■ Rear window defogger

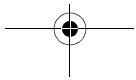
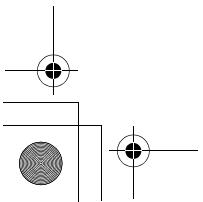
Use this function to defog the rear window.

Press REAR

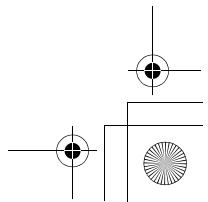
The rear window defogger will automatically turn OFF after a while.

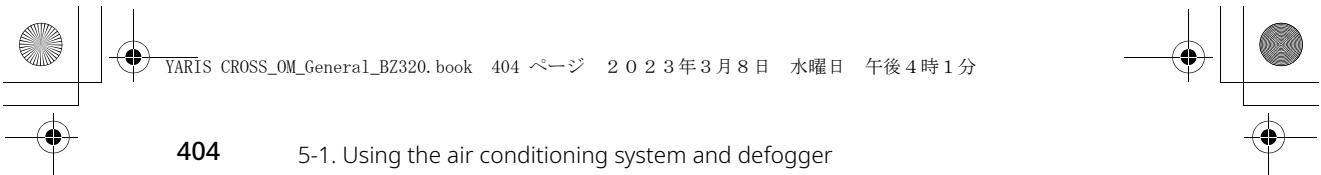
■ Eco air conditioning mode*

When the drive mode switch is pressed to enter the eco mode (→ P. 232, 240), the eco air conditioning mode turns ON and the fuel economy is prioritized, and therefore the performance of cooling/heating is suppressed.



*: If equipped





Air outlets

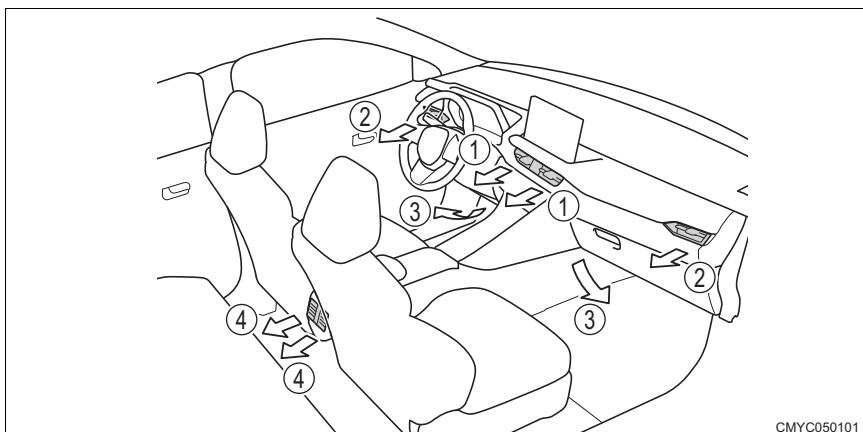
Airflow positions (vehicles without heaters)

Depending on air outlet settings, the position and speed of the airflow changes as shown in the following table.

The fan speed depends on the air outlet.

Settings		
Air outlet	(1) (2) (4)*	(1) (2) (3) (4)*

► Positions of air outlets



Airflow positions and fan speed (vehicles with heaters)

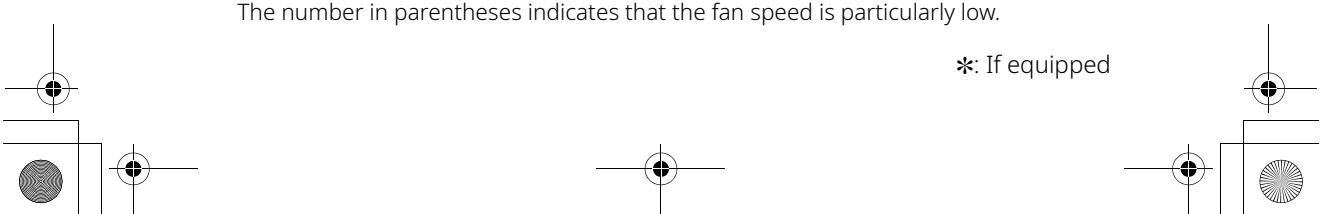
Depending on air outlet settings, the position and speed of the airflow changes as shown in the following table.

The fan speed depends on the air outlet.

Settings					FRONT
Air outlet	(2) (3) (5)*	(2) (3) (4) (5)*	(3) (4) (5)* (1)	(1) (3) (4) (5)*	(1) (3)

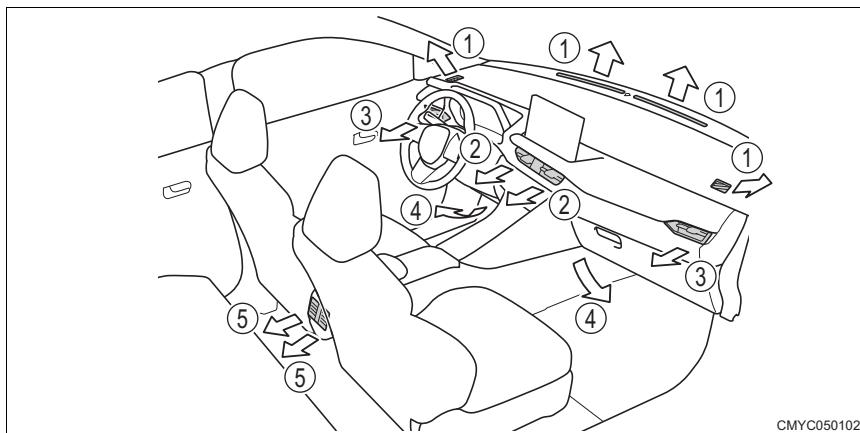
The number in parentheses indicates that the fan speed is particularly low.

*: If equipped



5-1. Using the air conditioning system and defogger

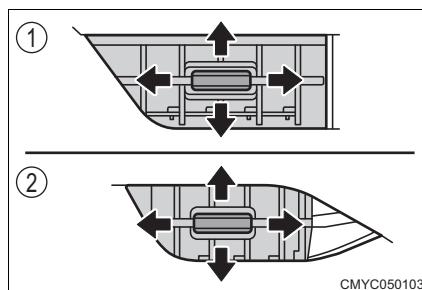
► Positions of air outlets



■ Adjusting the airflow direction and opening/closing the air outlets

► Front

- ① Adjusting the airflow direction of the left and right air outlets
- ② Adjusting the airflow direction of the central air outlets

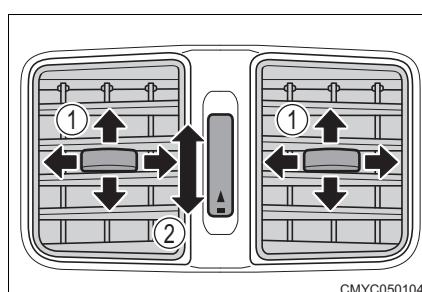


5

Interior features

► Rear*

- ① Adjusting the airflow direction
- ② Opening/closing the air outlets



*: If equipped

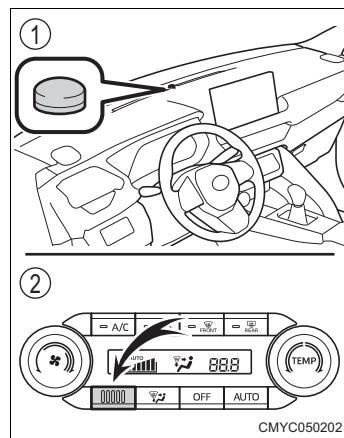
■ Operation of the automatic mode

The fan speed is adjusted automatically in accordance with the temperature setting and ambient conditions. Therefore, immediately after AUTO is pressed, the fan may stop for a while until warm or cool air is ready to flow.

■ Temperature control sensors

The automatic air conditioning system has sensors so that it can control temperature automatically.

- ① Solar radiation sensor
Detects the amount of solar radiation.
- ② Inside air temperature sensor
Detects the temperature of inside air.



If an object is placed on the solar radiation sensor, or the inside air temperature sensor is covered up with stickers or the like, these sensors may not work properly.

■ Using the air conditioning system for cooling

In rare cases, it may appear that fog is blowing out of the air outlet, but this is normal when moist air is suddenly cooled.

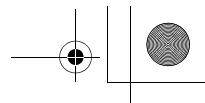
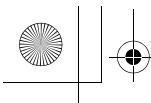
■ Fogging up of the windows

- The windows will easily fog up when the humidity in the vehicle is high.

Turning \square A/C on will flow the dehumidified air from the outlets and defog the windshield effectively.

- If you turn \square A/C off, the windows may fog up more easily.

- The windows may fog up if the recirculated air mode is used.



■ When the outside air temperature drops to around 0°C (32°F)

Even if you press A/C, the air conditioning system may not work.

■ When the air outlets are set to

In order to deliver cool air to the driver and passengers' faces and warm air to their feet, depending on the set temperature, the air sent to the driver and passengers' feet will be warmer than the air sent to the upper body.

■ 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

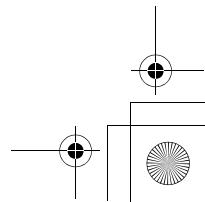
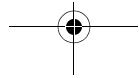
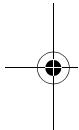
Setting to the recirculated air mode temporarily is recommended in preventing dirty air from entering the vehicle interior and helping to cool the vehicle when the outside air temperature is high.

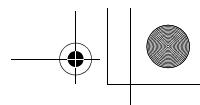
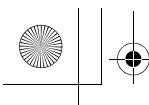
■ Activation of air conditioning system in eco mode

- In the eco mode, the air conditioning system is controlled as follows to prioritize the fuel economy performance.
 - The engine speed and compressor operation are controlled to suppress the heating/cooling performance.
 - When it is used in the automatic mode, the fan speed is suppressed.
- To improve the performance of air conditioning, perform the following operations.
 - Cancel the eco mode (→ P. 232, 240), and turn OFF the eco air conditioning mode
 - Adjusting the fan speed

■ Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air introduction 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 odors to be emitted from the vents.
- When the automatic mode is used, the fan may stop for a while immediately after the air conditioning system starts to reduce potential odors generated during startup. In addition, it is recommended that the air conditioning system be set to outside air introduction mode prior to turning the vehicle off.



**■ Air conditioning filter**

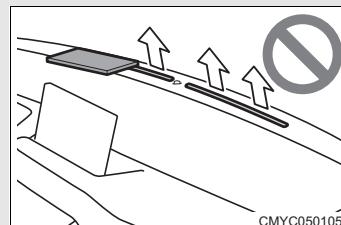
→ P. 488

■ Voice recognition system*

In vehicles with a multimedia system, you can operate the air conditioning system using the voice recognition system. For details, refer to the instruction manual included with the multimedia system.

! WARNING**■ To prevent the windshield from fogging up (vehicles with heaters)**

- Do not press when setting the temperature of the air conditioning system low in extremely humid weather. Also, do not switch the air outlets to . 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.



CMYC050105

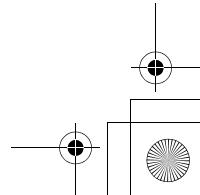
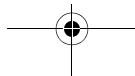
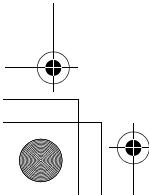
! NOTICE**■ To prevent battery <12-volt battery> discharge**

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

■ Air outlets (vehicles with heaters)

Be careful when adjusting the air outlets while using the air conditioning system for heating, for the outlets will become hot.

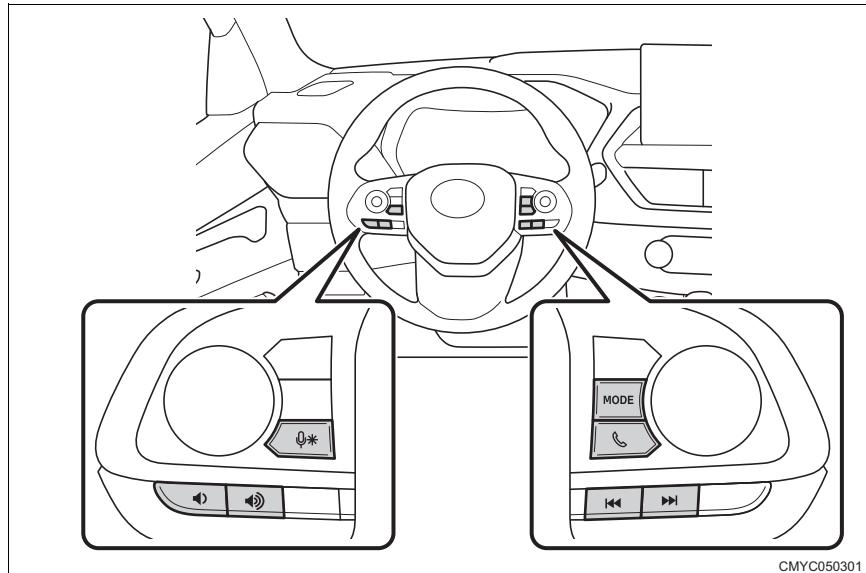
*: If equipped



Steering switches*

The audio system can be operated with the switches on the steering wheel.

The operation may differ depending on the audio your vehicle has. For details, refer to the included instruction manual.



Locations of the switches vary according to the vehicle grade level, etc.

WARNING

■ To prevent an accident

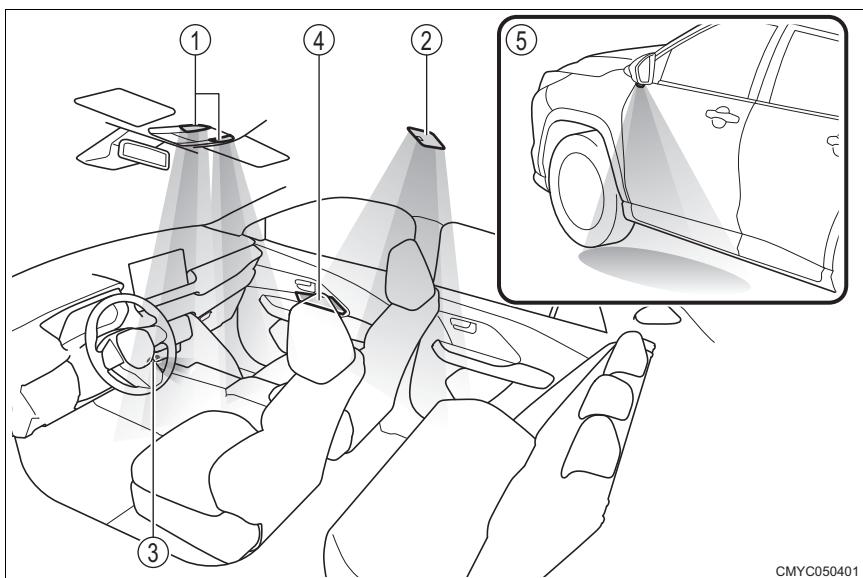
Take extra care when operating the steering switches while driving.

5

Interior features

*: If equipped

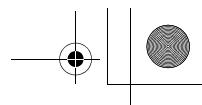
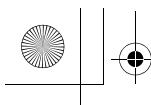
Interior lights list



CMYC050401

- ① Front personal lights
- ② Interior light
- ③ Illumination light*/Ambient illumination*
- ④ Illumination lights*/Ambient illuminations*
- ⑤ Outer mirror foot lamps*

*: If equipped



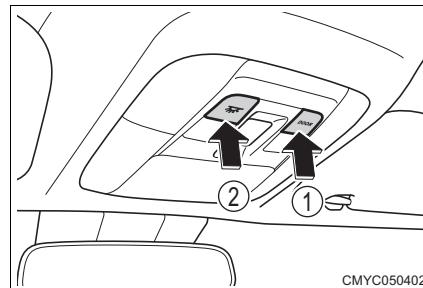
Front personal lights

■ Operation with the door link switch

- ① Turns the door position on/off

When a door is opened while the door position is on, the lights turn on.

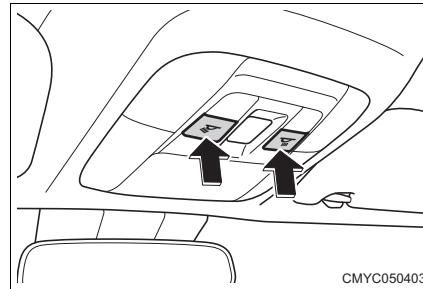
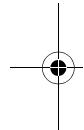
- ② Turns the lights on/off



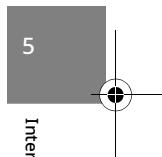
CMYC050402

■ Operation with separate switches

Turns the light on or off



CMYC050403



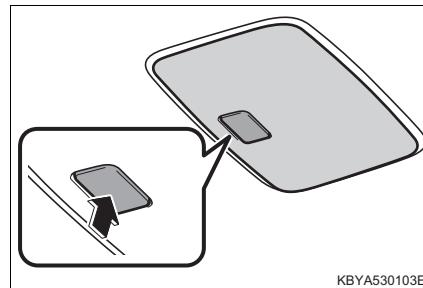
5

Interior features

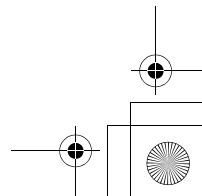
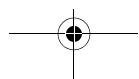
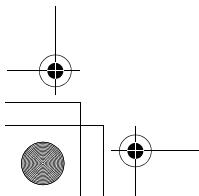
Interior light

Turns the light on or set it to the door position (door linked)

When it is set to the door position, the light turns on or off when a door is opened or closed.



KBYA530103E



Ambient illuminations*

■ Changing the color and brightness of the ambient illuminations using the multimedia system

► Set using the "Ambient illumination" button

① Press the .

② Select "Ambient illumination".

► Set using the "System settings" button

① Press the .

② Select "System settings".

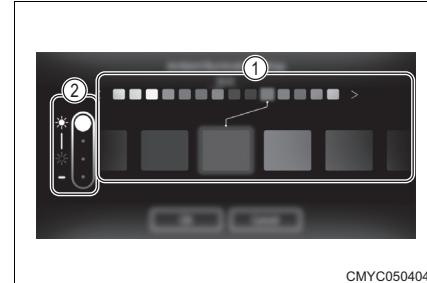
③ Select "Ambient illumination settings".

① Color

The initial setting is blue.

② Brightness

The initial setting is the maximum brightness.



CMYC050404

■ Illuminated entry system

When the switch of the light is in the door position, the lights automatically turn on or off in the following conditions.

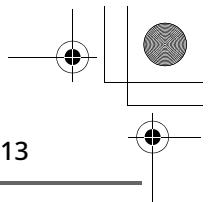
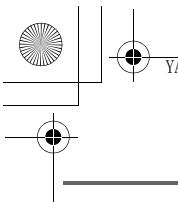
- When approaching the vehicle with the electronic key*
(Welcome lamp setting "Room Lamp Linked": → P. 162)
- When unlocking or locking the doors
- When opening or closing the doors
- When operating the engine switch <power switch>

■ Lighting conditions for ambient illuminations*

The ambient illuminations turn on in the following cases.

- When the engine switch <power switch> is "ON"
- When the engine switch <power switch> is "OFF" or "ACC", and the automatic lighting is activated by the illuminated entry system

*: If equipped



5-3. Using the interior light

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■ Ambient illuminations*

- When the engine switch <power switch> is "ACC" or "ON", the color and brightness can be changed.
- Even if the ambient illuminations are turned off by changing the brightness, the color and brightness can be changed when the lighting conditions are satisfied.
- The ambient illuminations are dimmed in the following cases.
 - When all the doors are closed
 - When the front position lights are turned on (only when the engine switch <power switch> is "ON")

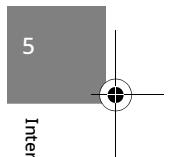
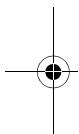
■ Lighting conditions for illumination lights*

The illumination lights turn on in the following cases.

- When the engine switch <power switch> is "ON"
- When the engine switch <power switch> is "OFF" or "ACC", and the automatic lighting is activated by the illuminated entry system

■ Illumination lights*

- The illumination lights are dimmed in the following case.
 - When the front position lights are turned on (only when the engine switch <power switch> is "ON")
 - The brightness of the illumination lights can be set. (→ P. 126)



5

Interior features

■ Outer mirror foot lamps*

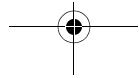
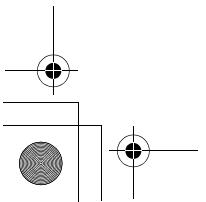
- The lamps turn on in conjunction with the illuminated entry system.
- The lamps will not turn on when all the doors, including the back door, are closed while the engine switch <power switch> is "ON".

■ To prevent battery <12-volt battery> discharge

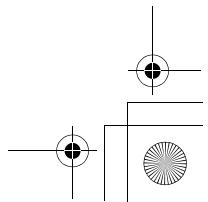
- When the switch of the light is in the door position with the door not fully closed, the light automatically turns off after about 10 minutes.
- When the lights are left on, they automatically turn off after about 12 minutes.

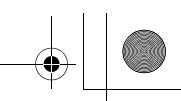
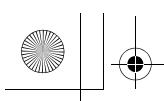
■ Voice recognition system*

In vehicles with a multimedia system, you can operate the color and brightness of the ambient illuminations using the voice recognition system. For details, refer to the instruction manual included with the multimedia system.



*: If equipped





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5-3. Using the interior light

■ Customizations

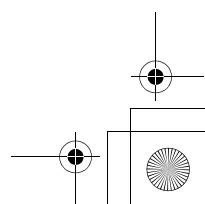
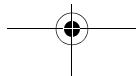
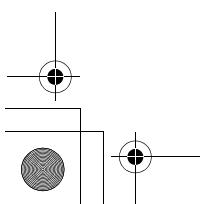
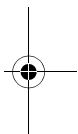
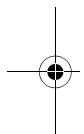
You can change the settings such as a period of time until the illuminated entry system turns off.

(List of customizable features: → P. 588)

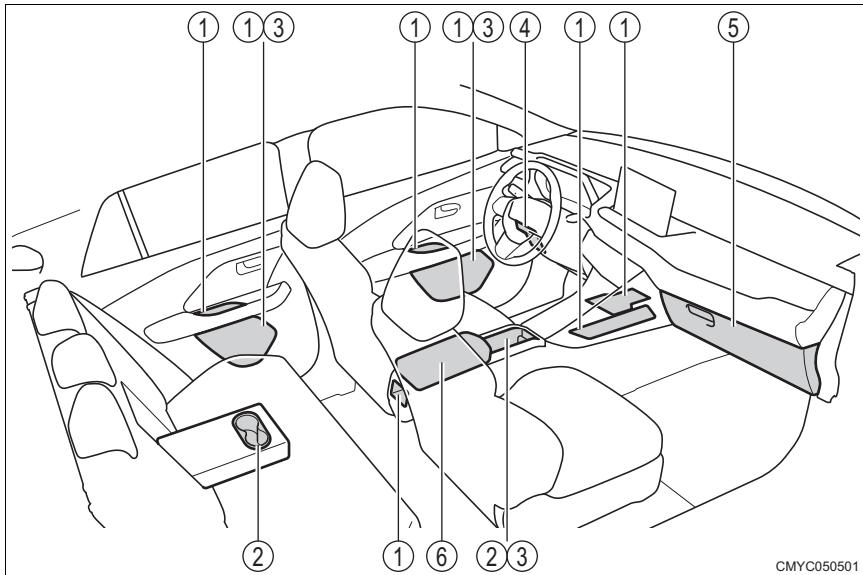
(For some of the features, the settings can be changed from the setup screen of the TFT color multi-information display: → P. 118)

⚠ NOTICE**■ To prevent battery <12-volt battery> discharge**

Do not leave the lights on for a long time with the engine <hybrid system> stopped.



List of storage features



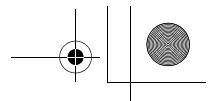
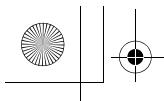
- | | |
|----------------------------|------------------------------|
| ① Open tray (→ P. 419) | ④ Auxiliary boxes (→ P. 416) |
| ② Cup holder (→ P. 417) | ⑤ Glove box (→ P. 416) |
| ③ Bottle holder (→ P. 417) | ⑥ Console box (→ P. 416) |

5

Interior features

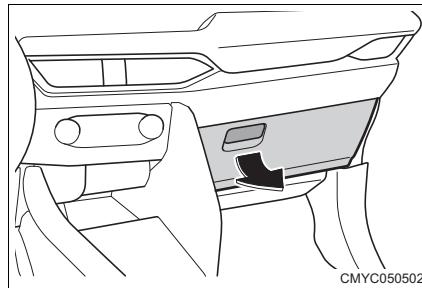
WARNING

- 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.
- Do not take items in or out of the storage compartments while driving. Doing so may lead to an accident.
- 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.



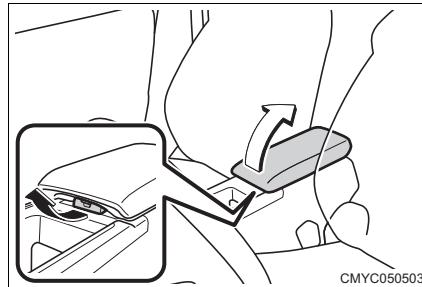
Glove box

Pull up the lever to open it



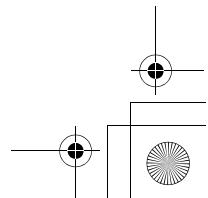
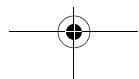
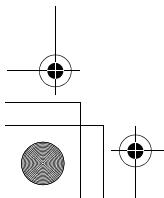
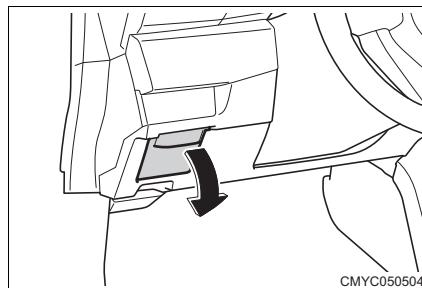
Console box

Pull up the knob to open it



Auxiliary boxes

Pull the tab to open.

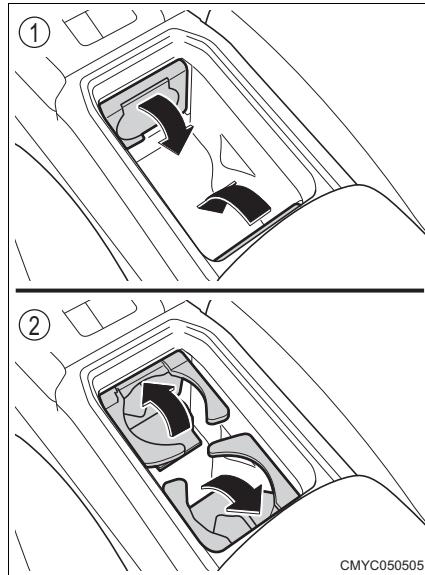


Cup holder/Bottle holder

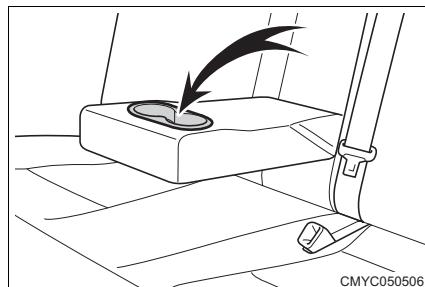
■ Cup holder/bottle holder (Center console)

Extend or retract the flaps in accordance with the size of the cup or bottle etc.

- ① Extend
- ② Retract

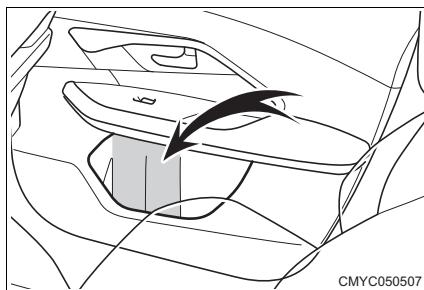


■ Cup holder (Rear seat)

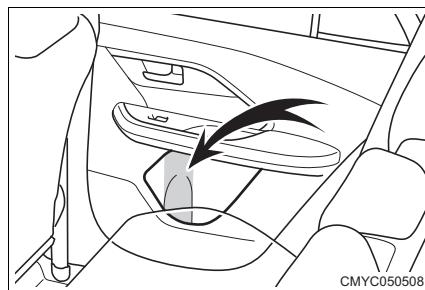


■ Bottle holder

► Front doors



► Rear doors



■ Using the bottle holder

- When storing a plastic bottle, close the cap.
- Some plastic bottles may not fit into it depending on size or shape.

⚠ WARNING

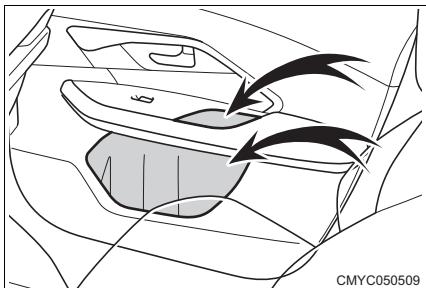
- Do not put anything other than cups, cans, and plastic bottles in the cup holder.
Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury.
- Do not put anything other than plastic bottles in the bottle holder.
Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury.
- To prevent burns, close the lid when placing hot drinks in cup holders or bottle holders.

⚠ NOTICE

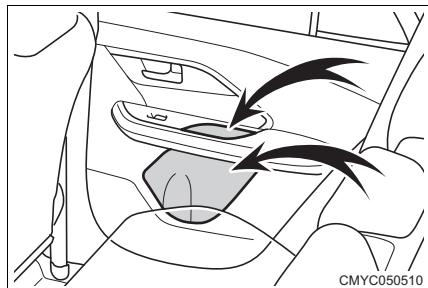
- When storing a plastic bottle, close the cap.
- Do not store a paper cup or glass with juice or other drinks in the bottle holder.
If you do so, drink may spill or the glass may get broken.
- Wipe off any spills immediately to prevent damage. If the liquid contacts switches or electrical components, they may malfunction, or a vehicle fire may occur.

Open tray

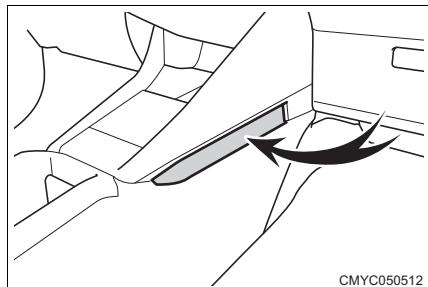
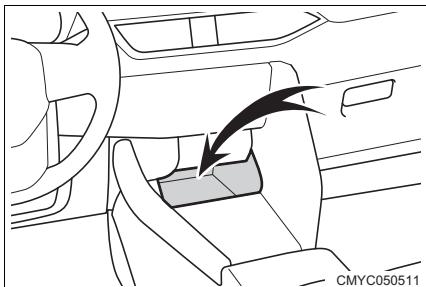
► Front doors



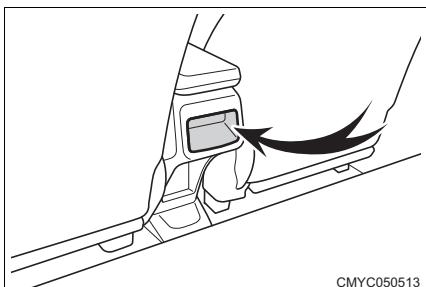
► Rear doors



► Front console tray



► Rear console tray*



5

Interior features

⚠ WARNING

Do not place anything that could easily roll in the tray while driving. The stored items may be thrown out and lead to an accident.

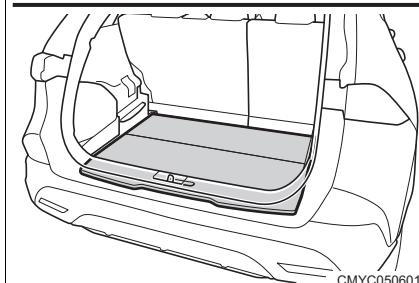
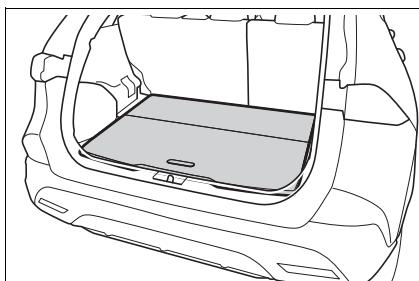
*: If equipped

Luggage compartment features

Deck board

The height of the floor can be adjusted by changing the set position of the deck board.

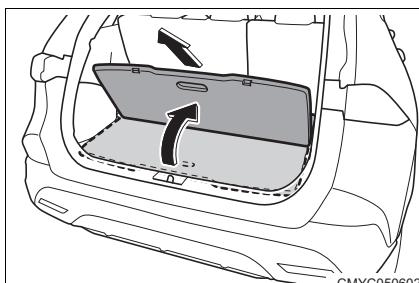
- ① Upper position
- ② Lower position



CMYC050601

■ Removing the deck board

Lift up the deck board and pull it towards you to remove it.



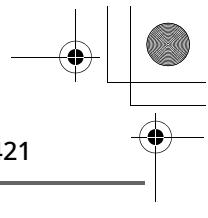
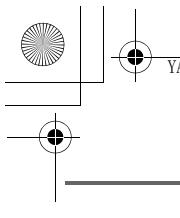
CMYC050602

WARNING

■ Operating the deck board

Do not operate it when luggage is on it.

Doing so may lead to an accident or injury such as getting your fingers caught in it.



⚠ WARNING

■ Caution while driving

Always close the deck board.

In the event of sudden braking or sudden swerving, the stored items may be thrown out and lead to an accident.

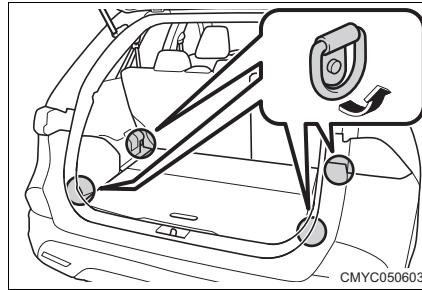
⚠ NOTICE

■ To prevent damage of the deck board

Do not stand on the deck board or apply excessive force to it.

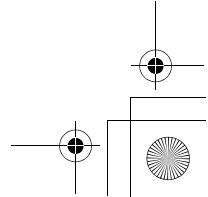
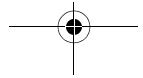
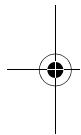
Deck board hook

The deck board hooks can be used to fix luggage.



5

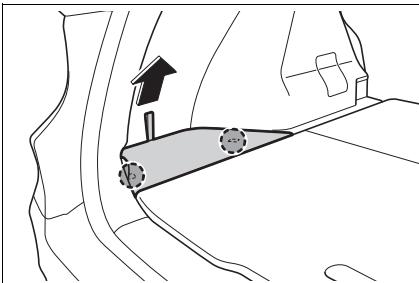
Interior features



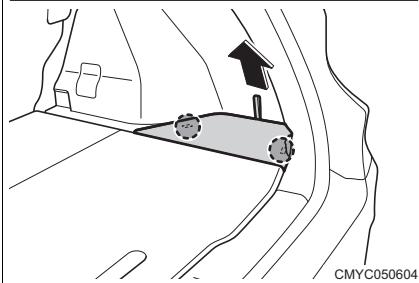
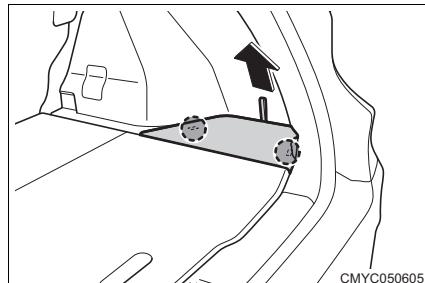
Luggage tray

Pull the strap upwards to release the 2 claws and remove the lid.

► Gasoline vehicles



► Hybrid electric vehicles



! WARNING

■ Caution while driving

Keep the cover of the luggage tray closed. In the event of sudden braking, an accident may occur due to an occupant being struck by the cover of the luggage tray or the items stored in the luggage tray.

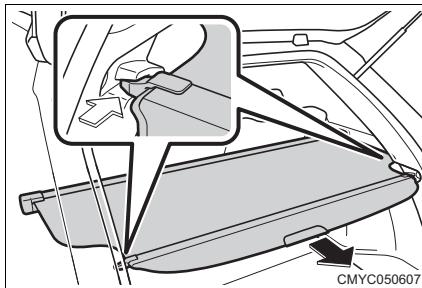
Tonneau cover

■ Installing the tonneau cover

- 1** Insert either end of the tonneau cover into the recess, then compress the other end of the tonneau cover and insert it into the recess.



- 2** Pull out the tonneau cover and hook it onto the anchors.

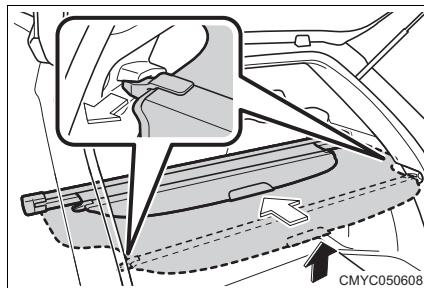


5

Interior features

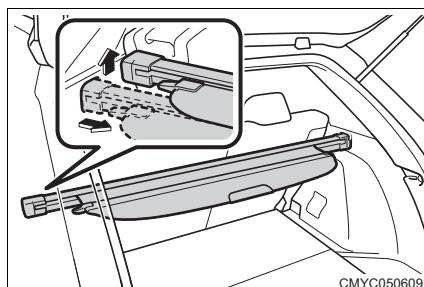
■ Removing the tonneau cover

- 1** Lift the rear portion of the cover to release the left and right anchors and allow the cover to retract.



- 2** Compress the end of the tonneau cover and lift the tonneau cover up.

After removing the tonneau cover, place it somewhere other than the passenger compartment.



⚠ WARNING

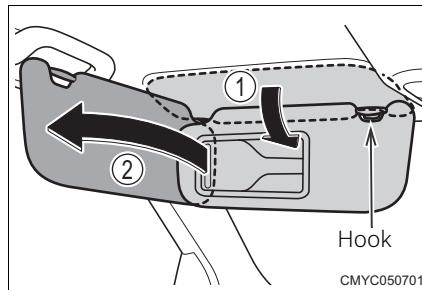
■ Tonneau cover

- Do not place anything on the tonneau 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 tonneau cover. Climbing on the tonneau cover could result in damage to the tonneau cover, possibly causing death or serious injury to the child.

Other interior features

Sun visors

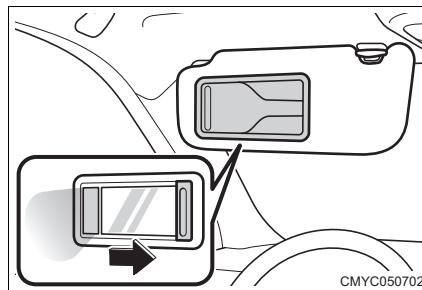
- ① To set the visor in the forward position, flip it down
- ② To set the visor in the side position, flip down, unhook, and swing it to the side



■ Vanity mirror

Slide the cover

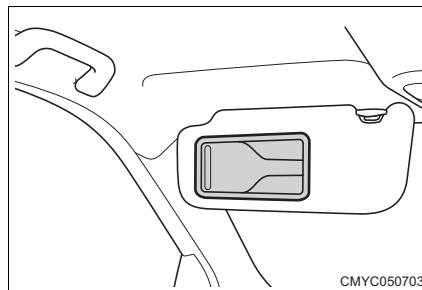
The vanity light turns on.

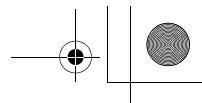
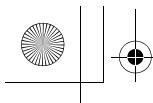


5

Interior features

■ Ticket holder



**! WARNING**

- Do not put anything between the sun visor and the ceiling. There is a danger that items may fall out when the vehicle starts off.
- Do not put anything other than items that are intended to be used in the sun visor ticket holder. There is a danger that items may fall out when the vehicle starts off.
- Do not use the vanity mirrors while driving. Doing so may lead to an unforeseen accident.

Armrest

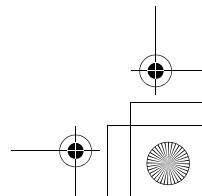
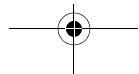
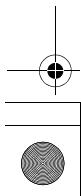
Tilt the armrest down to use it.

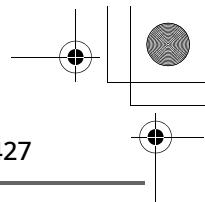
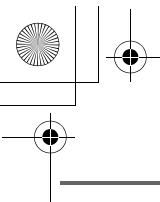
**When the armrest is not in use**

Make sure to return it to its original position.

! WARNING**Operating the armrest**

- Do not put your hands into the gap between the seat and armrest. Your fingers or hands may get caught in between, resulting in injury. Be extremely careful that children do not get their fingers caught.
- Do not stand on the armrest or place heavy objects on it. Doing so could damage the armrest or result in injury.

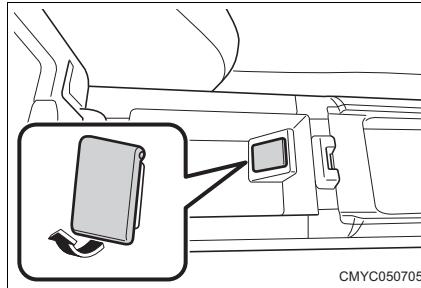




Power outlets

They are used as power sources for electrical appliances with less than 12 VDC/10 A (power consumption of 120 W).

Open the lid to use them



Operating conditions

When the engine switch <power switch> is "ACC" or "ON"

When turning the engine switch <power switch> to "OFF"

Remove rechargeable electrical appliances such as mobile batteries. If left connected, the engine switch <power switch> may not be able to be properly turned to "OFF".

NOTICE

Electric capacity

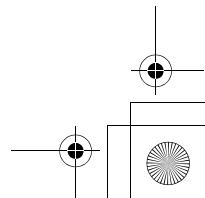
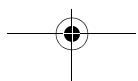
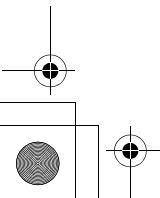
The maximum current is 10 A at 12 VDC (Power consumption of up to 120 W). Do not use any electric appliance using more than the maximum capacity. The fuses may blow if an electric appliance using more than the maximum electrical capacity is used.

To prevent a short circuit and damage

Close the lid when not in use in order not to let foreign matter get inside or liquid splash on it.

To prevent battery <12-volt battery> discharge

- Do not use the power outlets with the engine <hybrid system> stopped.
- Even after the engine is running <hybrid system is operating>, do not use them for a long time while idling.



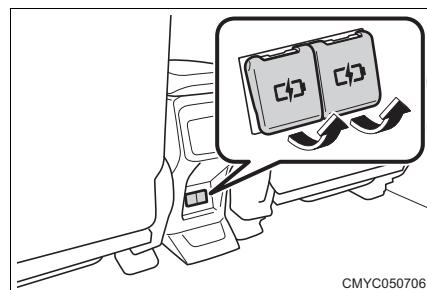
USB ports (for charging)*

They are used as power sources for devices with a power consumption of up to 15 W (5 VDC/3 A).

They are for charging only and not designed for data transfer or other purposes.

Depending on the device to be used, charging may not be performed properly. Before use, also refer to the manual included with the device.

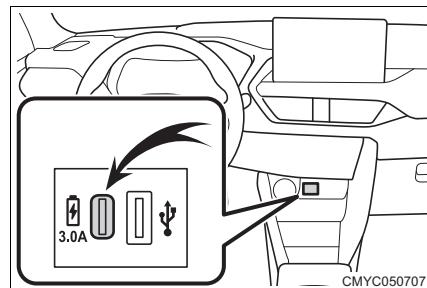
- ① When using the rear side USB ports*, open the lids



- ② Insert the cable into the port in the correct direction as far as it goes

Secure the device and cable where they will not obstruct driving.

► Front*



- ③ After use, make sure to remove the cable

Check that the lids are closed for the rear side USB ports*.

*: If equipped

- If charging stops temporarily when the engine <hybrid system> restarts, the battery <12-volt battery> may be deteriorated. In that case, contact your Toyota dealer.
- Depending on the devices connected, charging may occasionally be suspended and then start again. This is not a malfunction.

■ Operating conditions

When the engine switch <power switch> is "ACC" or "ON"

■ Situations where the USB ports may not work properly

- If a device requiring more than the maximum rating is connected
 - Charging may not be possible due to protection features.
 - Even if charging starts, it may take long time to be completed.
- If the temperature inside the vehicle is high, such as immediately after the vehicle has been parked in the hot sun
 - By using the air conditioning system or other means, ventilate the vehicle and decrease the temperature inside it. After a while, start charging.
 - If charging is performed in a high temperature environment, it may be automatically stopped by the temperature sensor.

WARNING

- Inserting fingers or foreign matter such as metals and liquid into the USB ports may cause damage, a short circuit, or electric shock.
- Be careful not to trip over the cables connected. This may cause damage to the device or injury due to falling.

5

Interior features

NOTICE

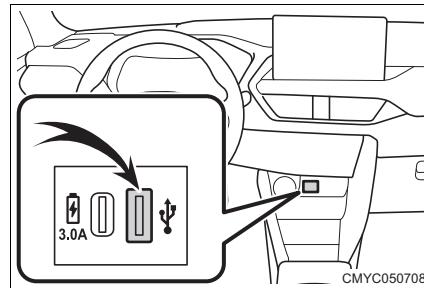
- Do not apply strong impact or force.
- To prevent battery <12-volt battery> discharge
 - Do not use the USB ports for a long time with the engine <hybrid system> stopped.
 - Even when the ports are used while driving, remove the cables when they are no longer in use.

430 5-5. Using the other interior features

USB port (for communication)*

Use this port to connect your device with the multimedia system.

For details, refer to the instruction manual included with the multimedia system.

**WARNING**

- Inserting fingers or foreign matter such as metals and liquid into the USB port may cause damage, a short circuit, or electric shock.
- Be careful not to trip over the cable connected. This may cause damage to the device or injury due to falling.

NOTICE

- Do not apply strong impact or force.
- To prevent battery <12-volt battery> discharge**
 - Do not use the USB port for a long time with the engine <hybrid system> stopped.
 - Remove your cable from the port if it is no longer in use, even when the port is used while driving.

*: If equipped

Wireless charger*

By placing a mobile device, such as a smartphone or mobile battery compliant with the wireless charging standard Qi developed by the Wireless Power Consortium (WPC), on the wireless charger, you can charge the mobile device.

This function does not work for mobile devices that are larger than the Qi tray. Depending on the mobile device to be used, charging may not work properly.

Before use, also refer to the manual included with the mobile device.

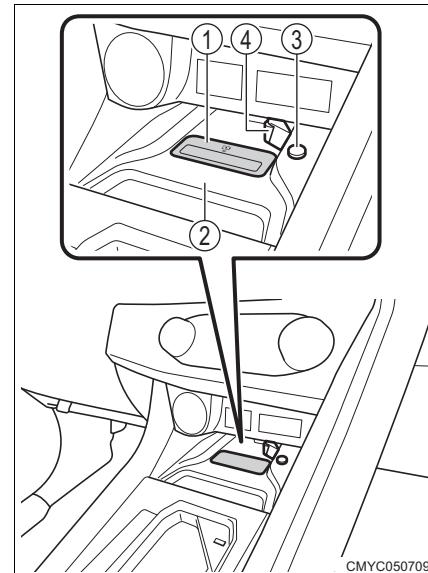
■ "Qi"

"Qi" is the registered trademark of the Wireless Power Consortium (WPC).

■ Name of each component

- ① Wireless charger*
- ② Qi tray
- ③ Wireless charger power switch/
Switch-on indicator
- ④ Support

* If 2 or more mobile devices are placed on the wireless charger, their charging coils may not be properly detected and they may not be charged.



5

Interior features

*: If equipped

432 5-5. Using the other interior features

■ Charging

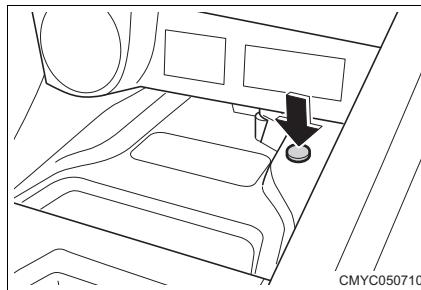
① Turn the engine switch <power switch> to "ACC" or "ON"

② Press the wireless charger power switch

Each time you press the switch, it toggles between ON and OFF.

Turning ON will cause the switch-on indicator to turn on in green.

The power condition (ON/OFF) of the wireless charger will be saved even after the engine switch <power switch> has been turned "OFF".



③ Place a mobile device on the wireless charger

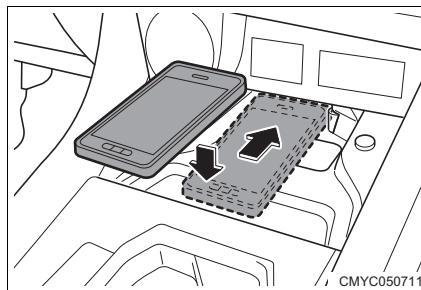
Place a mobile device on the wireless charger with its charging surface facing down.

Set the mobile device inside the support, and push it into the end. The support corrects the position of the mobile device.

The switch-on indicator lights up in orange during charging.

When charging does not start, reposition the mobile device to be placed closer to the center of the wireless charger.

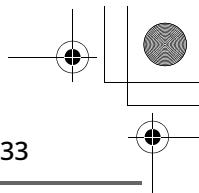
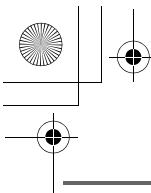
The switch-on indicator lights up in green when charging is complete.



■ Recharging function

- When charging is complete and after a fixed time in the charge suspension state, charging restarts.

- If the mobile device is moved to somewhere off the wireless charger, charging will stop. In this case, the switch-on indicator will blink in orange. Take out the mobile device from the wireless charger, and place it back in again.



■ Rapid charging function

- The following mobile devices support rapid charging.
 - Mobile devices compliant with WPC Ver. 1.2.4 and compatible with rapid charging
 - iPhone with an iOS version that supports 7.5 W charging (iPhone 8 and later models)
- When a mobile device that supports rapid charging is charged, charging automatically switches to the rapid charging function.

■ Switch-on indicator

Switch-on indicator	Situation
Off	The wireless charger is powered OFF
Orange (Lit)	Charging in progress
Green (Lit)	Standby (Charging ready)*1/Charging complete*2

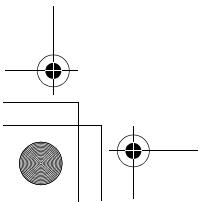
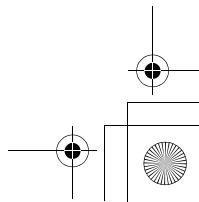
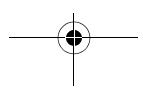
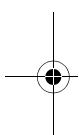
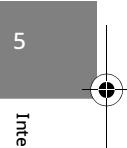
*1 Charging power will not be output during standby. A metallic object will not be heated, if it is placed on the wireless charger in this state.

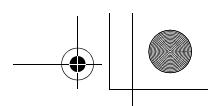
*2 Depending on the mobile device, there are cases where the operation indicator light will continue being lit up orange even after the charging is complete.

- When the switch-on indicator flashes

The following shows the switch-on indicator status and measures to take when an error occurs.

Switch-on indicator	Possible causes	Measures to take
Flashes 2 times (orange)	The charging frequency was switched. (→ P. 436)	—
Flashes 3 times (orange) Turns on between intervals of 3 times flashing	The electronic key was taken outside the vehicle.	Bring the electronic key inside the vehicle.





Switch-on indicator	Possible causes	Measures to take
Flashes 3 times (orange)	A metal object was detected.	Remove the metal object in the charging area.
Turns off between intervals of 3 times flashing	A misalignment of the mobile device was detected.	Take out the mobile device from the wireless charger, and place it back on again.
Flashes 4 times (orange)	Safety stop that is made because the temperature in the wireless charger exceeds a certain value.	Stop charging once, take out the mobile device from the charging tray, wait for a while until the temperature is lowered, and then start charging. If the switch-on indicator continues flashing, the wireless charger could be malfunctioning. Please contact your Toyota dealer.

■ Operating conditions

When the engine switch <power switch> is "ACC" or "ON"

■ Supported mobile devices

- You can use devices compliant with the wireless charging standard Qi (WPC Ver. 1.2.4). However, the compatibility with all the Qi-compliant devices is not guaranteed.

■ Using the key-free system

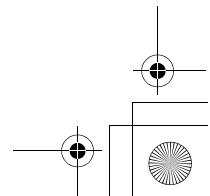
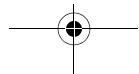
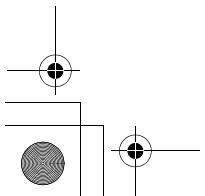
During charging, when the key-free system searches for an electronic key, charging may be temporarily suspended.

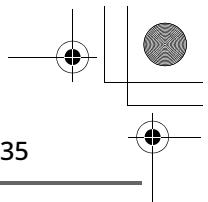
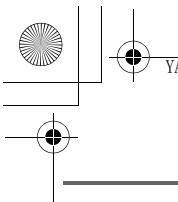
When the electronic key is detected, charging will automatically start again.

■ Situations where the function may not work properly

In the following cases, charging may not work properly.

- A foreign object exists between the wireless charger and the mobile device
- The mobile device is placed with its charging surface facing up
- The mobile device is dislocated from the charging area
- The mobile device is fully charged
- The mobile device is being charged with a cable connected
- Charging has caused the mobile device to heat up
- The temperature around the wireless charger is 35°C (95°F) or higher, such as in extreme heat
- A foldable mobile device is placed off the wireless charger.



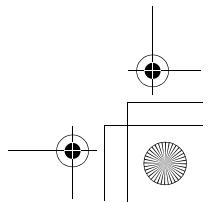
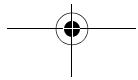
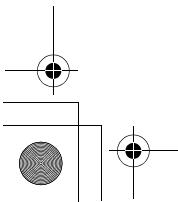
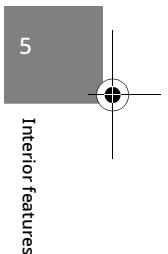


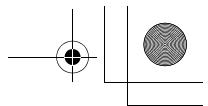
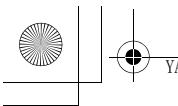
5-5. Using the other interior features

435

- The vehicle is in an area where strong electrical waves or noise are emitted, such as near a television tower, power plant, gasoline station, broadcasting station, large display, airport, etc.
- The electronic key is not inside the vehicle
- Any of the following objects that is 2 mm (0.08 in.) or thicker is stuck or installed between the charging side of the mobile device and the wireless charger.
 - Thick cases or covers
 - A case or cover attached with an uneven or tilted surface, so that the charging side is not flat
 - Thick decorations
 - Accessories, such as finger rings, straps, etc.
- When there is a gap between the charging side of the mobile device and the wireless charger due to a protrusion such as a camera on the charging side of the mobile device.
- When the mobile device is in contact with, or is covered by any of the following metallic objects:
 - A card that has metal on it, such as aluminum foil, etc.
 - A pack of cigarettes that includes aluminum foil
 - A wallet or bag that is made of metal
 - Coins
 - A heating pad
 - CDs, DVDs or other media
 - A metal accessory
 - A case or cover made of metal
 - A flip type case with a magnet on the charging side of the mobile device
- Wireless keys (that emit radio waves) are being used nearby
- 2 or more mobile devices are placed on the wireless charger at the same time
- When using a mobile device model with an internal charging coil that is not located near the center of the mobile device

If charging is abnormal or the switch-on indicator continues to flash for any other reason, the wireless charger may be malfunctioning. Contact your Toyota dealer.





■ Installing covers or accessories to mobile devices

Do not charge the mobile device with a cover or accessories that are not compliant with Qi. Depending on the type of covers or accessories, charging may not work.

If charging does not start even with the mobile device placed on the wireless charger, remove the cover and accessories.

■ When the AM radio makes noise during charging

- Power OFF the wireless charger and check to see if the noise is reduced. If it reduces the noise, pressing and holding the power switch of the wireless charger for approx. 2 seconds during charging can switch the charging frequency, resulting in noise reduction. At that time, the switch-on indicator also flashes in orange twice.
- iPhones use a particular frequency for rapid charging. Depending on the iOS version, rapid charging may not be performed while switching frequencies.

■ If the smartphone OS has been updated

If the smartphone OS has been updated to a newer version, its charging specifications may have changed significantly. For details, check the information on the manufacturer's website.

■ Trademark information

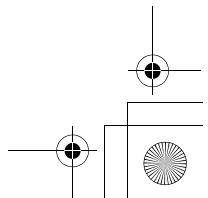
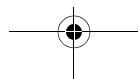
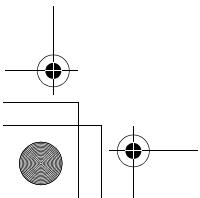
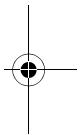
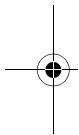
iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.

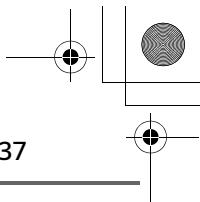
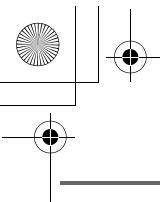
■ Important points while charging

- If your electronic key is not detected inside the vehicle, charging does not work. Charging may be stopped temporarily when any one of the doors is opened or closed.
- The wireless charger and the mobile device become hot during charging, but this is not the sign of malfunction. When the mobile device becomes hot during charging, the protective function of the mobile device may stop the charging. In this case, wait until the mobile device temperature drops sufficiently and then start charging again.
- The mobile device fully charged or almost fully charged is not charged, but this does not indicate a malfunction.
- When you use a mobile phone near the wireless charger, you may experience a drop in call sensitivity or communication speed.

■ Cleaning

→ P. 446





⚠ WARNING

■ Cautions during driving

For safety purposes, the driver should not operate the mobile device when charging the mobile device.

■ Effects of radio waves

If you have any electro-medical devices implanted, such as an implantable cardiac pacemaker, implantable biventricular pacing pulse generator, or implantable cardioverter defibrillator, consult your doctor before using the wireless charger. The operation of the wireless charger may affect electro-medical devices.

■ To prevent damage or burn injury

Observe the following precautions.

Failure to do so is dangerous, as it may lead to equipment failure or damage, fire, or burn injury caused by generated heat.

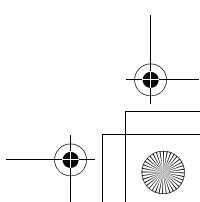
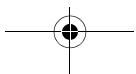
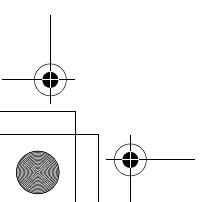
- While charging is in progress, do not insert any metal object between the wireless charger and the mobile device
- Do not place a container filled with liquid, such as drinking water, on the wireless charger
- Do not attach aluminum stickers or metal objects to the wireless charger or mobile devices
- Do not charge the device with a piece of cloth or other items placed over it
- Do not charge anything other than the compatible devices
- Do not disassemble, alter, or remove the unit
- Do not apply strong impact or force
- Do not power ON the wireless charger when using it as a small container
- Remove dust and dirt from the wireless charger before use

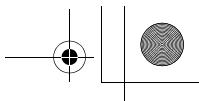
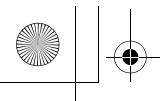
⚠ NOTICE

■ To prevent damage or data corruption

● While charging is in progress, placing a magnetic card, such as a credit card, contactless smart card, or magnetic recording media near the wireless charger may cause data to be lost due to the effects of the magnetic field. Also, do not bring precision instruments, such as wristwatches, closer to it since doing so could cause them to malfunction.

● Do not spill drinking water or other liquid into the Qi tray. When something is spilled or liquid adheres to the Qi tray, dry with a dry cloth or equivalent before use.



**⚠ NOTICE**

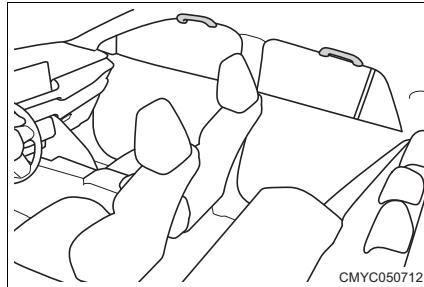
- Do not charge with a non-contact IC card such as a transportation system IC card inserted between the charging side of a mobile device and the wireless charger. The IC chip may become extremely hot and damage the mobile device or IC card. Be especially careful not to charge a mobile device inside a case or cover with a non-contact IC card attached.
- Do not leave a mobile device inside the vehicle. The inside of the vehicle can become hot in extreme heat, which could cause a malfunction.

■ To prevent battery <12-volt battery> discharge

Do not use the wireless charger longer than necessary when the engine is not running <hybrid system is not operating>.

Retractable assist grips

Use the retractable assist grips attached to the ceiling to support your body while sitting on the seat while the vehicle is moving.

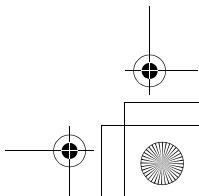
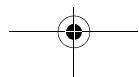
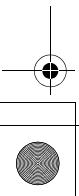
**⚠ WARNING**

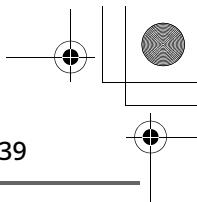
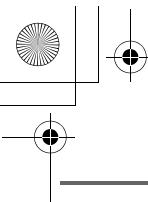
Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

The retractable assist grip may be damaged, and you may fall and be injured.

⚠ NOTICE

To prevent damage, do not place heavy objects on the retractable assist grips or apply excessive load.



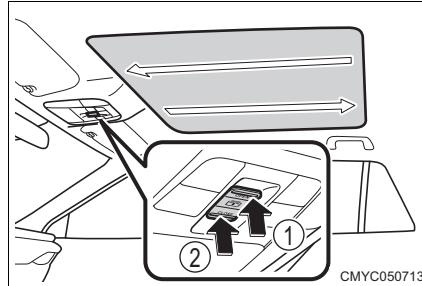


Electronic sunshade*

Use the overhead switch to open and close the electronic sunshade.

- ① Open*
- ② Close*

* To stop the electronic sunshade part-way, lightly press the either end of the switch.



Operating conditions

When the engine switch <power switch> is "ON"

Operation after stopping the engine <hybrid system>

Even after turning the engine switch <power switch> to "ACC" or "OFF", you can still open and close the electronic sunshade for approximately 40 seconds.

Operation of the electronic sunshade

To prevent the electronic sunshade motor from overheating, the motor may be suspended if the electronic sunshade is opening and closing repeatedly in a short period of time. In this case, refrain from operating the switch.

Wait for a little while, the electronic sunshade motor will resume functioning.

Jam protection function for the electronic sunshade

- If an object becomes jammed between the electronic sunshade and the sunshade frame while the electronic sunshade is closing, the electronic sunshade movement is stopped and the electronic sunshade is opened slightly.
- When the jam protection function has operated, even if the "CLOSE" side of the switch is pressed again, the electronic sunshade will not move in the close direction until the reverse operation has stopped completely.
- The electronic sunshade may operate in reverse if the electronic sunshade is subject to an impact due to the surroundings or the driving conditions.

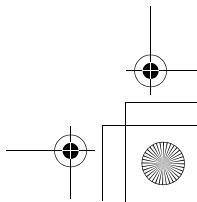
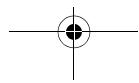
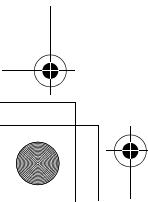
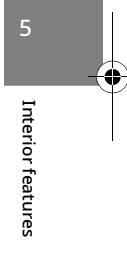
When the automatic opening and closing function of the electronic sunshade does not work

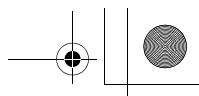
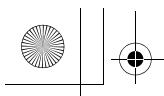
Perform the following initialization procedure.

- ① Turn the engine switch <power switch> to ON.
- ② Press and hold the "CLOSE" side of the switch.

It closes until it is near the fully closed position and then stops. After that, it operates in the opening direction then closes to the fully closed position.

*: If equipped





If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

If the automatic opening and closing function does not work normally even after performing the operations above, have the vehicle inspected by your Toyota dealer.

■ Customizations

The settings when operating the switch can be changed.

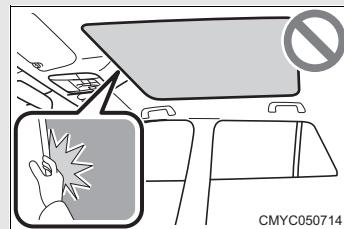
(List of customizable features: → P. 588)

! WARNING

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

■ Opening and closing the electronic sunshade

- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the electronic sunshade is being operated.



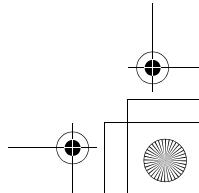
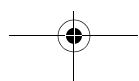
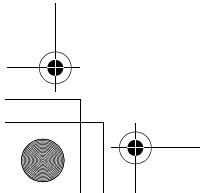
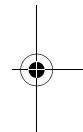
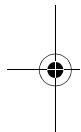
- Do not let a child operate the electronic sunshade. Closing the electronic sunshade on someone can cause death or serious injury.

■ Jam protection function for the electronic sunshade

- 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 electronic sunshade is fully closed. Also, the jam protection function is not designed to operate while the switch is being pressed. Take care so that your fingers, etc. do not get caught.

■ To prevent burns or injuries

Do not touch the area between the underside of the glass roof and the electronic sunshade. Your hand may get caught and you could injure yourself. Also, if the vehicle is left in direct sunlight for a long time, the underside of the glass roof could become very hot and could cause burns.



Maintenance and care**6****6-1. Maintenance and care**

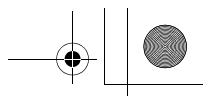
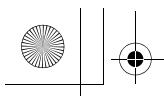
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Cleaning and protecting the vehicle exterior

Perform the following to clean and protect the vehicle:

- 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
- When heavily soiled, use car wash soap and rinse thoroughly with water
- Wipe away any water
- Wax the vehicle when the water repellency deteriorates

If water does not bead on a clean surface even after removing the dirt on body surface, apply wax when the vehicle body is cooled down (when it becomes approximately below the body temperature)

■ Automatic car washes

- Before washing your vehicle:
 - Folding the outside rear view mirrors
 - Turn off the power back door (vehicles with power back door)
- Start washing from the front of the vehicle. Make sure to extend the outside rear view mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.
- Depending on the car wash, the vehicle gets scratched or damaged, or it may not be possible to wash the car, as the rear spoiler gets stuck.

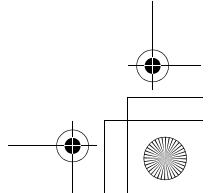
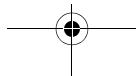
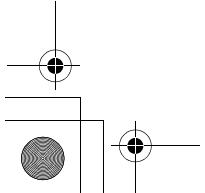
■ High pressure car washes

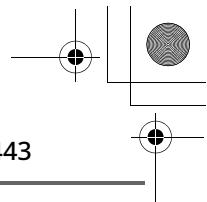
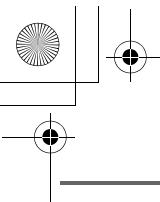
As water may enter the cabin, do not bring the nozzle tip near the gaps around the doors or perimeter of the windows, or spray these areas continuously.

■ Water splashed over the vehicle during car wash, etc. (vehicles with key-free system)

If water splashes on the door handle switch, the doors may get locked and unlocked repeatedly while the electronic key is located within the operating range. If that happens, perform the procedures listed below. (Without opening or closing the doors, the unlocked doors will be automatically locked approximately after 30 seconds)

- Place the key at least 3 m (9.8 ft.) away from the vehicle (beware of theft)
- Disabling the key-free system activation by setting the key to the battery-saving mode (→ P. 147)





■ When using detergent or wax

- Carefully read the instructions for the detergent or wax you are using and clean the vehicle correctly.
- Do not use wax on unpainted plastic parts. If wax adheres, the part may become white or blotchy.

■ 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 acid, 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
- Do not allow hot water to splash directly on the wheels, for example, with steam cleaning, as the wheels may lose their luster.

⚠ WARNING

■ When washing the vehicle

- Do not apply water to the inside of the engine compartment.
If water splash on the electrical components or the like, vehicle fire may result.
- Be careful not to injure your hands when washing around the underside of the vehicle and around the wheels.

■ Exhaust pipes

Exhaust gases cause the exhaust pipes to become quite hot. When washing the vehicle, be careful not to touch the hot exhaust pipes until they have cooled sufficiently. Doing so may cause burns.

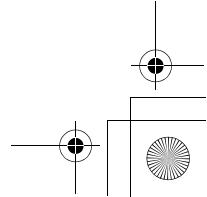
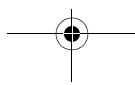
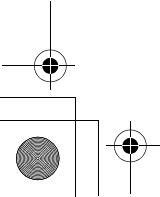
■ Precautions regarding the headlight lens

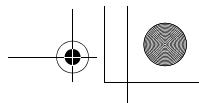
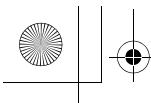
Do not touch the headlight lens when turning on the light and immediately after turning off the light. The headlight lens become hot and may cause burns.

■ Blind Spot Monitor*

Scratches on the rear bumper paint may prevent the system from working normally. Contact your Toyota dealer.

*: If equipped





WARNING

■ Waxing the aluminum wheels*

Be careful not to have wax attached to the seat of the nut. It could loosen the nut and cause the tire to come off, which may lead to an unforeseen accident. It may also lead to excessive tightening, causing the nuts and bolts to break or the wheels to get damaged.

NOTICE

■ To prevent paint deterioration and corrosion on the body and components (wheels, etc.)

- Wash the vehicle immediately in the following cases:
 - After driving near the sea coast
 - After driving on roads where the antifreezing agents are spread on
 - 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 any organic solvent such as benzene or gasoline is 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 wiper arms

When raising the wiper arms, be sure to raise it on the driver's seat side first, and then raise it on the passenger's seat side. When returning the wiper arms, be sure to return the wiper arm on the passenger's seat side first.

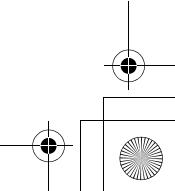
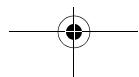
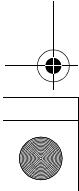
■ Cleaning the exterior lights

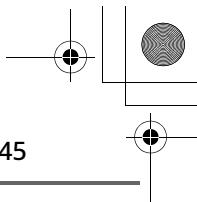
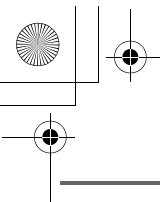
- Wash carefully. Do not use any organic solvent or scrub with a hard brush.
This may damage the surfaces of the lights.
- Do not apply wax to the surfaces of the lights.
Wax may cause damage to the lenses.

■ To prevent damage to the outside rear view mirrors

When using an automatic car wash, fold the outside rear view mirrors.

*: If equipped





NOTICE

■ Precautions when washing the vehicle

- When washing the vehicle, do not press hard, such as by applying weight. The vehicle body may be dented.
- Check that the fuel filler door is closed. High water pressure can cause the fuel filler door to open vigorously and damage the vehicle body and fuel filler door.
- Washing the vehicle with hot water may damage plastic parts.
- When you wash the car with a machine using steam, keep the steam away from the sonar area*. The steam may cause the system to malfunction.
- Do not use detergents or waxes containing abrasives (compounds).

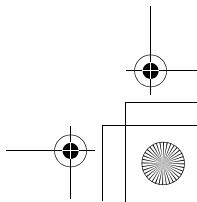
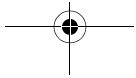
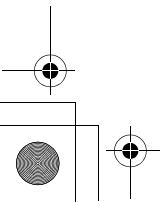
■ When using an automatic car wash

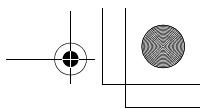
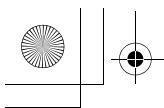
Set the air conditioning system to "recirculated air mode". Water may get inside the vehicle and cause a malfunction.

■ When using a high pressure car wash

- Do not splash water directly to the cameras* or their surrounding area using a high-pressure washer during a car wash. The high water pressure adds stress and may prevent the equipment from working properly.
- Do not bring the nozzle tip close to the coupling parts, boots (rubber or resin covers) and connectors of the following parts.
The parts may be damaged if they come into contact with high pressure water.
 - Drive system parts
 - Steering parts
 - Suspension parts
 - Brake parts
- Resin parts, such as moldings and bumpers, may be deformed and damaged, so keep the cleaning nozzle at least 30 cm (11.9 in.) away from the vehicle body. Also, do not continuously spray water in the same place.
- Do not spray the lower part of the windshield continuously. If water enters the air conditioning system intake located there, the air conditioning system may not operate correctly.

*: If equipped





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

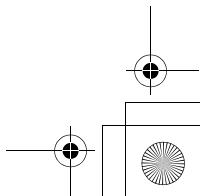
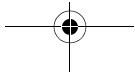
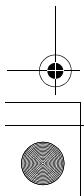
- Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with cold or lukewarm water
- If dirt cannot be removed, wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%
Wring out any excess water from the cloth and thoroughly wipe off 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 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.

■ Carpet cleaning

Toyota recommends that you keep the carpet dry at all times. To clean the carpet, a commercially available foam-type cleaner can be used.

Use a sponge or brush to spread the foam over the carpet and work it in a circular motion. Do not apply water directly. Wipe off and dry.

■ Seat belts

Clean with mild soap and lukewarm water using a cloth or sponge.

Also check the seat belts periodically for excessive wear, fraying or cuts.

WARNING**■ Water in the vehicle**

- Do not splash or spill liquid in the vehicle.

Doing so may cause electrical components, etc., to malfunction or catch fire.

- Do not get any of the SRS airbag components or wiring in the vehicle interior wet. (→ P. 37)

An electrical malfunction may cause the SRS airbags to deploy or not function properly, resulting in death or serious injury.

- Do not wet the wireless charger* (→ P. 431).

Burns due to heat or electric shock may result in death or serious injury.

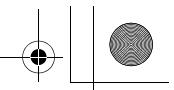
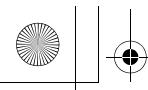
■ Cleaning the interior (especially instrument panel)

Do not use a polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and leading to an accident, resulting in death or serious injury.

■ Caution: Area around the seats

Be very careful when putting your hand under a seat, such as when cleaning the interior of the vehicle or picking up anything that has fallen under the seat. Your hand may strike the seat rail or the base of the seat and be injured.

*: If equipped



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 solvents such as benzene or gasoline, alkaline or acid solutions, dye, and bleach
 - Seats: Alkaline or acid solutions, such as thinner, benzene, and alcohol
- Do not use a polish wax or polish cleaner.
The paint on the instrument panel or other interior part may be peeled off, dissolved, or deformed.
- Do not use glass cleaner or alcohol on the lens cover of the meter.
It may cause discoloration or cracking.
- Do not use silicone spray around the switches. The silicone will adhere to the internal electrical components and may cause a failure.

■ 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
- Avoid prolonged exposure to direct sunlight
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.

If water comes into contact with audio system or electrical components under the floor carpet of the vehicle, it may cause the malfunction of the vehicle, or rusting of the vehicle body.

■ Cleaning inside of the windshield

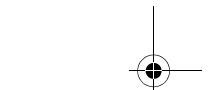
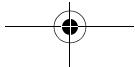
Be careful not to touch the stereo camera*.

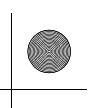
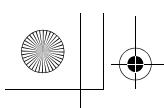
Scratches made by accidents or shocks may cause the Toyota Safety Sense feature to malfunction or fail.

■ Cleaning the inside of the rear window

- Do not use window washing detergent, etc., for such solutions can damage the hot wires. Instead, gently wipe the window along its hot wires with cloth dampened with water or warm water.
- Be careful not to scratch or damage the hot wires.

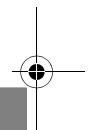
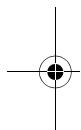
*: If equipped



**NOTICE****When using liquid fragrance**

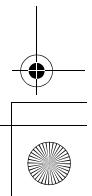
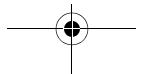
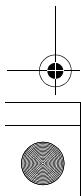
Secure the container so that it does not spill. Also, do not place it on the instrument panel or near the meter.

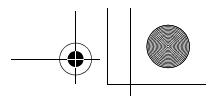
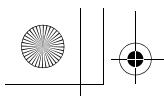
If liquid spills and adheres to the plastic parts, cloth materials, or the lens cover of the meter, it may cause discoloration or cracking.



6

Maintenance and care





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.

The interval for scheduled maintenance is determined by the odometer reading or the time interval, whichever comes first, shown in the schedule.

Maintenance beyond the last period should be performed at the same intervals.

- 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.

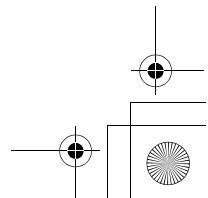
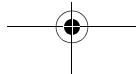
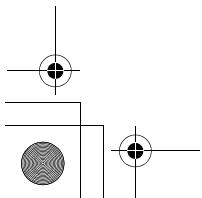
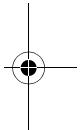
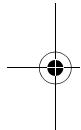
Toyota technicians are well-trained specialists receiving the latest service information through technical bulletins, service tips and in-dealership training programs. They learn to work on Toyota before they work on your vehicle, rather than while they are working on it. Doesn't that seem like the best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

Rubber hoses (for cooling and heater system, brake system and fuel system) should be inspected by a qualified technician according to the Toyota maintenance schedule.

Rubber hoses are particularly important maintenance items. Have any deteriorated or damaged hoses replaced immediately. Note that rubber hoses will deteriorate with age, resulting in swelling, chafing or cracking.



Do-it-yourself maintenance

● What about do-it-yourself maintenance?

Many of the maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools. Simple instructions for how to perform them are presented in this section.

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

■ Does your vehicle need repairs?

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

- Engine misses, 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 or clutch pedal (vehicles with a manual transmission), pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal

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

6

Maintenance and care

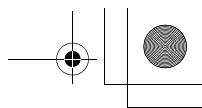
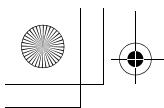
WARNING

■ If your vehicle is not properly maintained

Improper maintenance could result in serious damage to the vehicle and possible death or serious injury.

■ Handling of the battery <12-volt battery>

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. 471, 472)



Scheduled maintenance

Perform maintenance by the schedule as follows:

Maintenance schedule requirements

Your vehicle needs to be serviced in according to the normal maintenance schedule. (See "Maintenance schedule".)

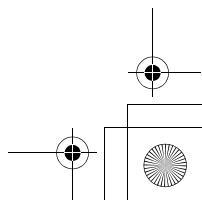
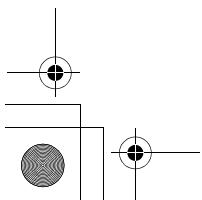
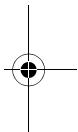
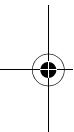
If you mainly operate your vehicle under one or more of the special operating conditions below, some of the maintenance schedule items need to be serviced more frequently in order to keep your vehicle in good condition. (See "Additional maintenance schedule".)

■ Road Condition

- Operating on rough or muddy roads, or roads with melted snow or waterlogged roads.
- Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)

■ Driving Condition

- Heavily loaded vehicle (Example: Using a car top carrier, etc.)
- Extensive idling and/or low speed driving for a long distance such as police, professional/private use like taxi or door-to-door delivery use.
- Continuous high speed driving (80% or more of maximum vehicle speed) for over 2 hours.



Maintenance schedule

Maintenance operations : I = Inspect, correct or replace as necessary

R = Replace, change or lubricate

C = Cleaning

SERVICE INTERVAL: (Odometer reading or months, whichever comes first.)	ODOMETER READING										MONTHS
	x1000 km	1	10	20	30	40	50	60	70	80	
	x1000 miles	1	6	12	18	24	30	36	42	48	
BASIC ENGINE COMPONENTS											
1 Drive belts (gasoline vehicles)			I		I		I		I	24	
2 Engine oil	Replace when the maintenance reminder appears.*1										—
3 Engine oil filter	Replace when the maintenance reminder appears.*1										—
4 Cooling and heater system*2				I				I	24		
5 Engine coolant	First replace at 160000 km (100000 miles), then replace every 80000 km (48000 miles)										—
6 Power control unit coolant (hybrid electric vehicles)*3				I				I	—		
7 Exhaust pipes and mountings		I		I		I		I	12		
IGNITION SYSTEM											
8 Spark plugs	Replace at every 100000 km (60000 miles)									—	
9 Battery <12-volt battery>	I	I	I	I	I	I	I	I	12		
FUEL AND EMISSION CONTROL SYSTEMS											
10 Fuel filter*4								R	96		
11 Valve mechanism*5, 6	Add injector cleaner to the fuel tank every 10000 km (6000 miles)										—

SERVICE INTERVAL:		ODOMETER READING										MONTHS
(Odometer reading or months, whichever comes first.)		x1000 km	1	10	20	30	40	50	60	70	80	
		x1000 miles	1	6	12	18	24	30	36	42	48	
12	Air cleaner filter			I		R		I		R		I: 24 R: 48
13	Fuel tank cap, fuel lines, connections and fuel vapor control valve*2					I					I	24
14	Charcoal canister					I					I	24
15	HEV battery cooling intake filter (hybrid electric vehicles)*7		I	I	C	I	I	C	I	I		—
CHASSIS AND BODY												
16	Clutch pedal (gasoline vehicles)		I	I	I	I	I	I	I	I	I	12
17	Brake pedal and parking brake*8		I	I	I	I	I	I	I	I	I	6
18	Brake pads and discs		I		I		I		I		I	6
19	Brake fluid		I	I	I	R	I	I	I	R		I: 6 R: 24
20	Clutch fluid (gasoline vehicles)		I	I	I	R	I	I	I	R		I: 6 R: 24
21	Brake pipes and hoses		I		I		I		I		I	12
22	Steering wheel, linkage and steering gear box		I		I		I		I		I	12
23	Drive shaft boots		I	I	I	I	I	I	I	I	I	6
24	Front wheel alignment (toe-in)					I				I		48
25	Suspension ball joint and dust cover			I		I		I		I		12

SERVICE INTERVAL: (Odometer reading or months, whichever comes first.)	ODOMETER READING										MONTHS
	x1000 km	1	10	20	30	40	50	60	70	80	
	x1000 miles	1	6	12	18	24	30	36	42	48	
26	Manual transmission oil (including front differential) (gasoline vehicles)					I				R	I: 48 R: 96
27	Continuously variable transmission fluid (including front differential)	Inspect every 12 months, Replace every 100000 km (60000 miles)								—	
28	Front and rear suspension			I		I		I		I	12
29	Tires and inflation pressure		I	I	I	I	I	I	I	I	6
30	Lights, horns, wipers and washers		I	I	I	I	I	I	I	I	6
31	Air conditioning filter			R		R		R		R	24

- *1 Replace both the engine oil and oil filter, even when the maintenance reminder does not appear, after 6 months have passed, since the last oil change.
Replace both engine oil and oil filter every 3 months, in which the vehicle is mainly driven in dirt or dusty roads, when the maintenance reminder does not appear.
- *2 After 80000 km (48000 miles) or 48 months inspection, inspect every 20000 km (12000 miles) or 12 months.
- *3 First replace at 240000 km (144000 miles), then replace every 80000 km (48000 miles).
- *4 Including the filter in fuel tank.
- *5 Toyota genuine fuel injector cleaner or equivalent.
- *6 For Philippines.
- *7 Visually check the HEV battery cooling intake filter for dirt or dust every 10000 km (6000 miles) and clean if necessary. Clean every 30000 km (18000 miles).
- *8 Parking brake inspection is not necessary.

Additional maintenance schedule

Refer to the following table for normal maintenance schedule items requiring more frequent service specific to the type of severe conditions. (For outline, see "Maintenance schedule requirements".)

A-1: Operating on rough or muddy roads, or roads with melted snow or water-logged roads.	
Inspection*1 of brake pads and discs	Every 10000 km (6000 miles) or 3 months
Inspection*1 of brake pipes and hoses	Every 10000 km (6000 miles) or 6 months
Inspection*1 of steering wheel, linkage and steering gear box	Every 5000 km (3000 miles) or 3 months
Inspection*1 of suspension ball joint and dust cover	Every 10000 km (6000 miles) or 6 months
Inspection*1 of front and rear suspension	Every 10000 km (6000 miles) or 6 months
Tightening of bolts and nuts on chassis and body*2	Every 10000 km (6000 miles) or 6 months
A-2: Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)	
Inspection*1 or replacement of air cleaner filter*3	I: Every 2500 km (1500 miles) or 3 months R: Every 20000 km (12000 miles) or 48 months
Inspection*1 of brake pads and discs	Every 10000 km (6000 miles) or 3 months
B-1: Heavily loaded vehicle (Example: Using a car top carrier, etc.)	
Inspection*1 of brake pads and discs	Every 10000 km (6000 miles) or 3 months
Replacement of manual transmission oil (including front differential) (gasoline vehicles)	Every 40000 km (24000 miles) or 48 months
Inspection*1 or replacement of continuously variable transmission fluid (including front differential)	I: Every 5000 km (3000 miles) or 3 months R: Every 50000 km (30000 miles)
Inspection*1 of front and rear suspension	Every 10000 km (6000 miles) or 6 months

Tightening of bolts and nuts on chassis and body* ²	Every 10000 km (6000 miles) or 6 months
B-2: Extensive idling and/or low speed driving for a long distance such as police, professional/private use like taxi or door-to-door delivery use.	
Inspection* ¹ of brake pads and discs	Every 10000 km (6000 miles) or 3 months
Inspection* ¹ or replacement of continuously variable transmission fluid (including front differential)	I: Every 5000 km (3000 miles) or 3 months R: Every 50000 km (30000 miles)
B-3: Continuous high speed driving (80% or more of maximum vehicle speed for over 2 hours.	
Replacement of manual transmission oil (including front differential) (gasoline vehicles)	Every 40000 km (24000 miles) or 48 months
Inspection* ¹ or replacement of continuously variable transmission fluid (including front differential)	I: Every 5000 km (3000 miles) or 3 months R: Every 50000 km (30000 miles)

*¹ Perform correction or replacement as necessary.

*² For seat mounting bolts, front and rear suspension member retaining bolts.

*³ Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.

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
Battery <12-volt battery> condition (→ P. 471, 472)	<ul style="list-style-type: none"> ● Warm water ● Baking soda ● Grease ● Conventional wrench (for terminal clamp bolts) ● Distilled water
Engine coolant <Engine/power control unit coolant> level (→ P. 469)	<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 premixed with 40% coolant and 60% deionized water. ● Funnel (used only for adding coolant)
Engine oil level (→ P. 466)	<ul style="list-style-type: none"> ● Engine oil ● Rag or paper towel ● Funnel (used only for adding engine oil)
Fuses (→ P. 501)	<ul style="list-style-type: none"> ● Fuse with same amperage rating as original
Hybrid battery (traction battery) air intake vent (hybrid electric vehicle) (→ P. 490)	<ul style="list-style-type: none"> ● Vacuum cleaner, etc. ● Flathead screwdriver
Radiator and condenser (→ P. 470)	—
Tire inflation pressure (→ P. 484)	<ul style="list-style-type: none"> ● Tire pressure gauge ● Compressed air source
Washer fluid (→ P. 476)	<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

- Hybrid electric vehicles: Make sure that the indicator on the power switch and the "READY" indicator are both off.
- Keep hands, clothing and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, radiator, exhaust manifold, etc., right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery <12-volt battery>. Fuel and battery <12-volt battery> fumes are flammable.
- Be extremely cautious when working on the battery <12-volt battery>. It contains poisonous and corrosive sulfuric acid.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.
If you still experience discomfort, consult a doctor.

■ When working near the electric cooling fan or radiator grille

Be sure the engine switch <power switch> is in off.

With the engine switch <power switch> in "ON", the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→ P. 470)

■ Safety glasses

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

6

Maintenance and care

NOTICE

■ If you remove the air cleaner filter

Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

■ If the fluid level is low or high

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

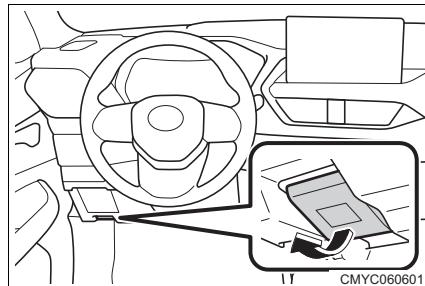
If the reservoir needs frequent refilling, it may indicate a serious problem.

Hood

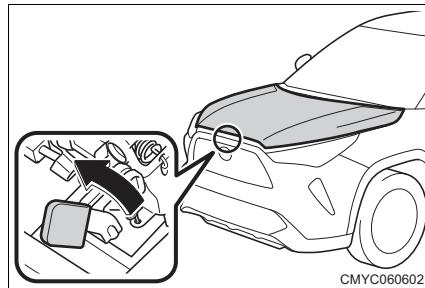
Unlock from the vehicle interior and open the hood.

Open the hood

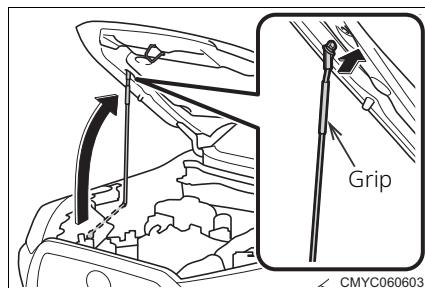
- 1** Pull the hood lock release lever
The hood rises slightly.



- 2** Pull up the lever and open the hood



- 3** Hold the grip and remove the hood stay, and insert it into the stay hole



Close the hood

- 1** Support the hood with one hand
- 2** Hold the grip and remove the hood stay, and restore it to its original position
- 3** Lower the hood gently and close it by pushing it with your hand

■ To disconnect the battery terminals

If you disconnect the battery terminals, the information stored in the computer will be erased. Before removing the battery terminals, contact your Toyota dealer for assistance.

WARNING

■ Check before driving

- Make sure the hood is securely locked.
Driving without locking the hood can cause it to suddenly open while driving, causing death or serious injury.
- If the hood is opened, the hood stay may detach and the hood may close unexpectedly. Be especially careful on windy days.

■ To prevent injury

The interior of the engine compartment is hot after driving. Touching hot components can cause serious injury such as burns.

■ Verification after inspecting the engine compartment

Before starting the engine <hybrid system>, make sure that no flammable materials are left in the engine compartment. Make sure that there are no flammable materials such as twigs brought in by small animals and birds in the engine compartment, especially if you have not used the vehicle for a long time. Such flammable materials may lead to a vehicle fire.

If you notice a burning smell from the engine compartment while driving, immediately stop at a safe place and contact your Toyota dealer.

■ Checking and changing oil

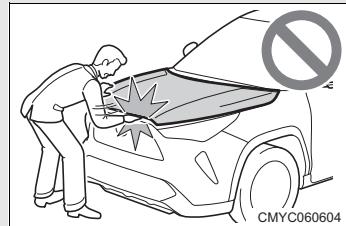
Make sure that oil is not adhered to the alternator. If oil is adhered, wipe it off immediately. If oil is adhered, it may lead to a vehicle fire.

WARNING

■ When closing the hood

Be careful not to get your hands caught.

There is a danger of serious injury.



■ When opening the hood

Make sure to use the support rod to support the hood when opening it, ensuring that the rod is fixed correctly. The hood may stay open without support on slope, however, it is dangerous because the hood may suddenly close.

NOTICE

■ When opening the hood

Do not open the hood with the windshield wiper arms raised. The wipers may hit the hood and damage it.

■ When inspecting the engine compartment

Do not place anything around the lower part of the windshield. Objects may fall into the engine and cause a malfunction.

■ To prevent damage to the hood

When closing the hood, do not press hard, such as by applying weight.

The hood may be dented.

■ When closing the hood

Remove the hood stay from the stay hole and correctly return it to its clip.

Closing the hood when the stay is not properly returned to its clip may damage the hood and the stay.

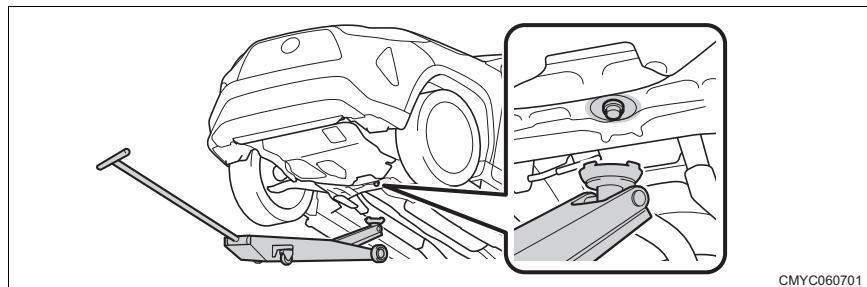
Floor jack

When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely.

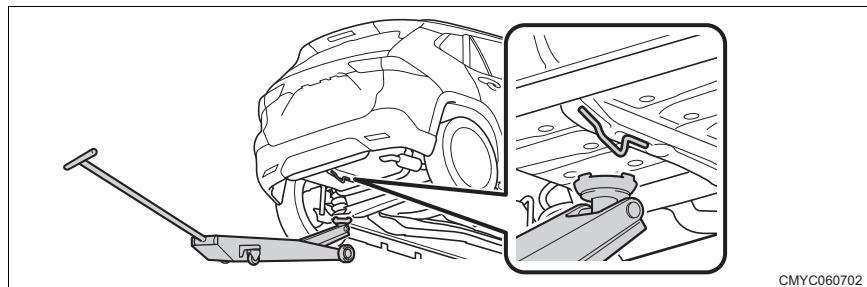
When raising your vehicle with a floor jack, position the jack correctly.

Improper placement may damage your vehicle or cause injury.

◆ Front side

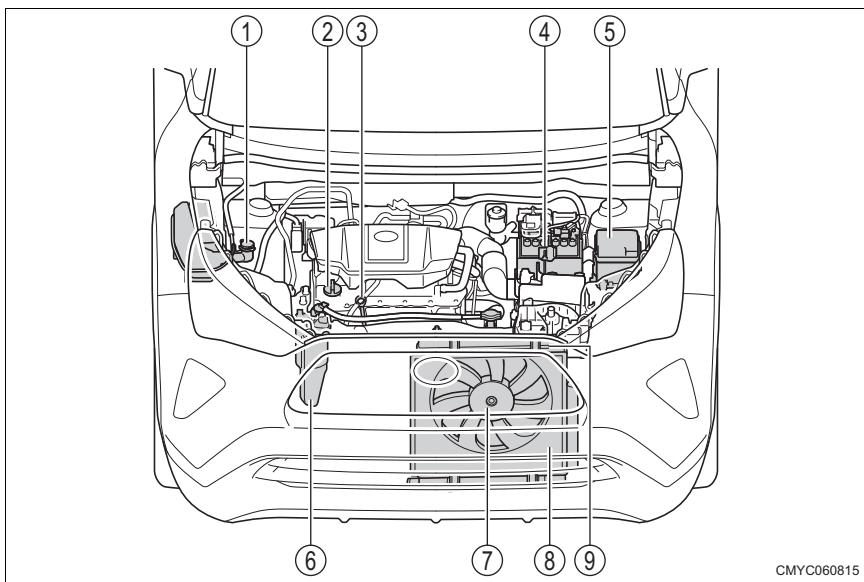


◆ Rear side



Engine compartment

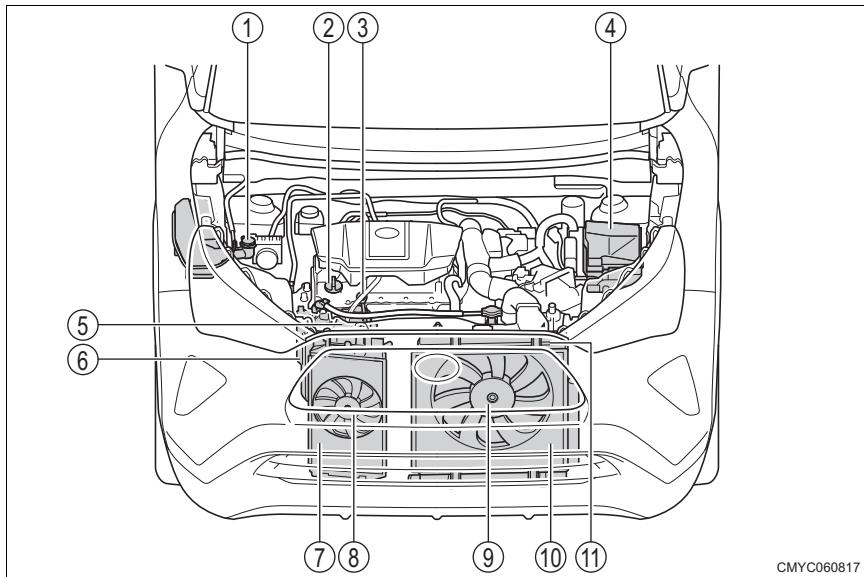
► Gasoline vehicles



CMYC060815

- | | |
|--|---------------------------------------|
| ① Washer fluid tank (→ P. 476) | ⑥ Engine coolant reservoir (→ P. 469) |
| ② Engine oil filler cap (→ P. 467) | ⑦ Electric cooling fan |
| ③ Engine oil level dipstick (→ P. 466) | ⑧ Condenser (→ P. 470) |
| ④ Battery (→ P. 471) | ⑨ Radiator (→ P. 470) |
| ⑤ Fuse box (→ P. 501) | |

► Hybrid electric vehicles



- | | |
|---|---|
| ① Washer fluid tank (→ P. 476) | ⑦ Radiator (for hybrid system)
(→ P. 470) |
| ② Engine oil filler cap (→ P. 467) | ⑧ Electric cooling fan
(for hybrid system) |
| ③ Engine oil level dipstick (→ P. 466) | ⑨ Electric cooling fan
(for gasoline engine) |
| ④ Fuse box (→ P. 501) | ⑩ Condenser (→ P. 470) |
| ⑤ Power control unit coolant reservoir (→ P. 469) | ⑪ Radiator (for gasoline engine)
(→ P. 470) |
| ⑥ Engine coolant reservoir (→ P. 469) | |

6

Maintenance and care

■ 12-volt battery (hybrid electric vehicles)

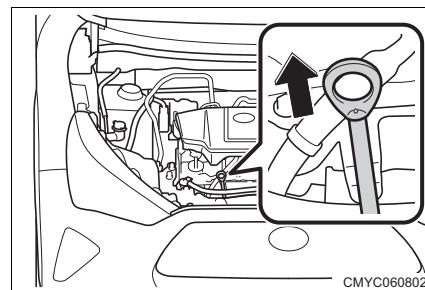
→ P. 472

Engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

■ Checking the engine oil

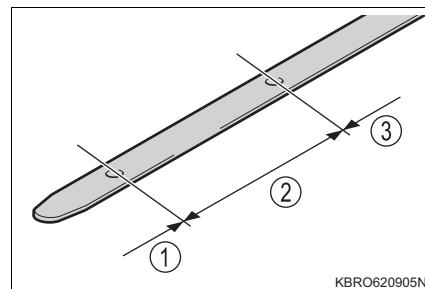
- ① Park the vehicle on level ground. After warming up the engine and turning it off, wait more than 5 minutes for the oil to drain back into the bottom of the engine.
- ② Holding a rag under the end, pull the dipstick out.



- 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

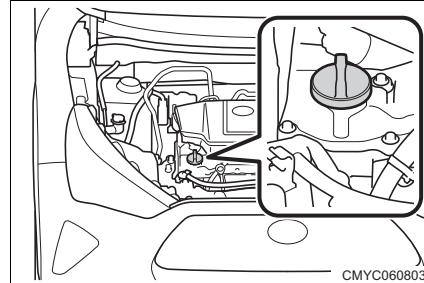
The shape of the dipstick may differ depending on the type of vehicle or engine.



- 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.



CMYC060803

Make sure to check the oil type and prepare the items needed before adding oil.

Engine oil selection	→ P. 580
Oil quantity (Low to 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
- When the outside temperature is low, the engine oil may become white and creamy, and it may get to the back of the oil filler cap or oil filling port. This phenomenon takes place when water vapor in the engine is cooled, forming water drops, which in turn are mixed with the engine oil. This, however, will disappear when the water evaporates as the outside temperature gets high or the engine warms up. The engine oil does not deteriorate due to this phenomenon and there will be no problem if the engine oil is continued to be used.

6

Maintenance and care

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.

■ If engine oil is spilled

If oil is spilled on the alternator, wipe off the oil immediately. Oil spilled on the alternator will cause a fire.

NOTICE

■ To prevent serious engine damage

Observe the following precautions.

- Check the oil level on a regular basis.
- Do not use any engine oil additive.

■ 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.

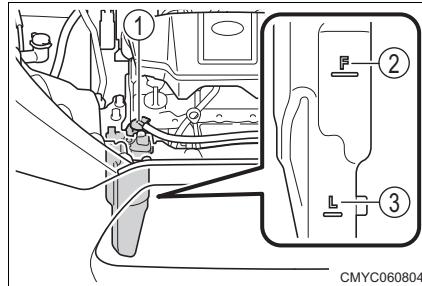
Coolant

■ Engine coolant

The coolant level is satisfactory if it is between the "F" and "L" lines on the reservoir when the engine is cold.

- ① Reservoir cap
- ② "F" line
- ③ "L" line

If the level is on or below the "L" line, add coolant up to the "F" line. (→ P. 571)

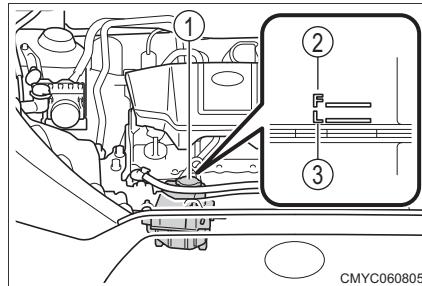


■ Power control unit coolant (hybrid electric vehicles)

The coolant level is satisfactory if it is between the "F" and "L" lines on the reservoir when the hybrid system is cold.

- ① Reservoir cap
- ② "F" line
- ③ "L" line

If the level is on or below the "L" line, add coolant up to the "F" line. (→ P. 573)



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Maintenance and care

■ 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 40% coolant and 60% deionized water. (Minimum temperature: -35°C [-31°F])

For more details about engine coolant <engine/power control unit coolant>, contact your Toyota Genuine dealer.

■ If the coolant level drops within a short time of replenishing

Visually check the radiator, hoses, engine coolant reservoir cap, drain cock and water pump.

If you cannot find a leak, have your Toyota dealer test the cap and check for leaks in the cooling system.

WARNING**■ When the engine <hybrid system> is hot**

Gasoline vehicles: Do not remove the radiator cap. (→ P. 574)

Hybrid electric vehicles: Do not remove the engine/power control unit coolant reservoir caps. (→ P. 574)

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

■ When replacing the coolant

To avoid coolant spilling on the alternator, do not remove the upper radiator hose from engine side (remove from the radiator side). Coolant spilled on the alternator will cause corrosion of the coil and a fire.

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 engine <hybrid system> is hot**

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

Battery (gasoline vehicles)

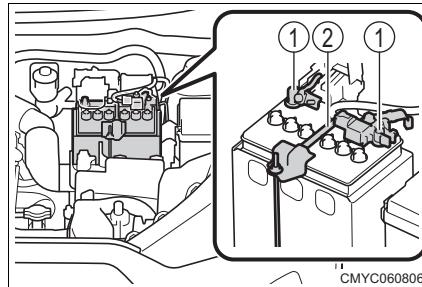
Check the battery as follows.

■ Battery exterior

► Gasoline vehicles

Make sure that the battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.

- ① Terminals
- ② Hold-down clamp



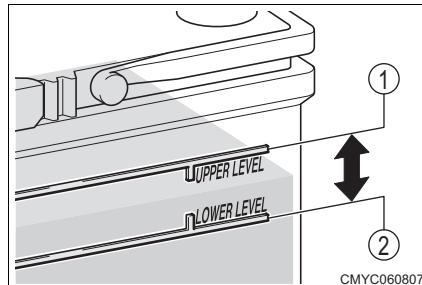
6
Maintenance and care

■ Checking battery fluid

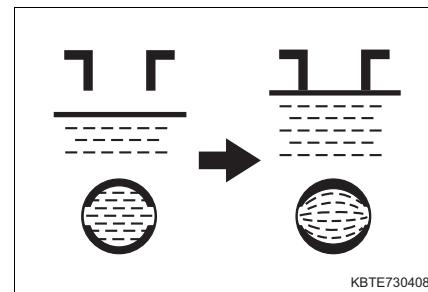
Check that the level is between the "UPPER LEVEL" and "LOWER LEVEL" lines.

- ① "UPPER LEVEL" line
- ② "LOWER LEVEL" line

If the fluid level is at or below the "LOWER LEVEL" line, add distilled water.



■ Adding distilled water



1 Remove the vent plug.

2 Add distilled water.

If the "UPPER LEVEL" line cannot be seen, check the fluid level by looking directly at the cell.

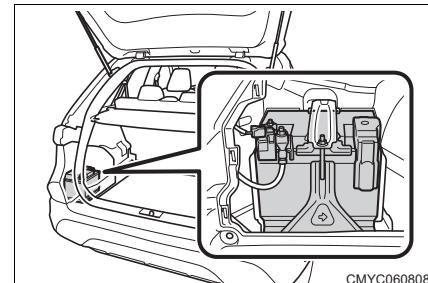
3 Put the vent plug back on and close it securely.

12-volt battery (hybrid electric vehicles)

Check the 12-volt battery as follows.

■ Location

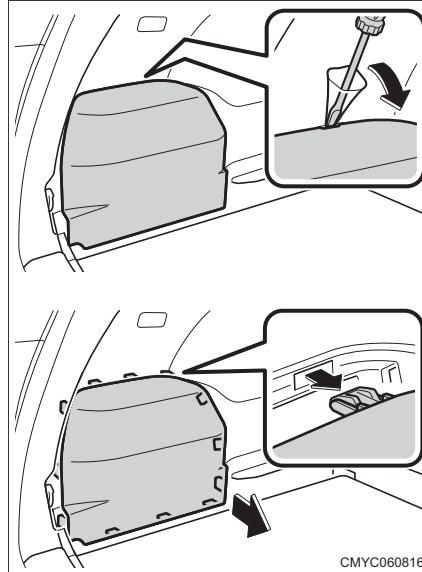
The 12-volt battery is located on the left side of the luggage compartment.



■ Removing the 12-volt battery cover

Remove the clips from the claws.

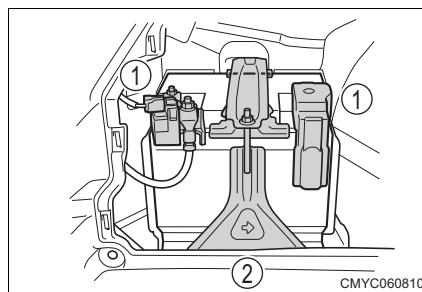
To prevent damage, wrap a cloth around the tip of the screwdriver or the like to protect it.



■ 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.

- ① Terminals
- ② Hold-down clamp



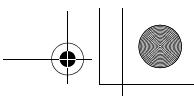
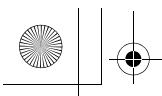
6

Maintenance and care

■ Before recharging

When recharging, the battery <12-volt battery> produces hydrogen gas which is flammable and explosive. Therefore, observe the following before recharging:

- If recharging with the battery <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 battery <12-volt battery>.



⚠ WARNING

■ Chemicals in the battery <12-volt battery>

Batteries <The 12-volt batteries> contain poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the battery <12-volt battery>:

- Do not cause sparks by touching the battery <12-volt battery> terminals with tools.
- Do not smoke or light a match near the battery <12-volt battery>.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the battery <12-volt battery>.
- Keep children away from the battery <12-volt battery>.

■ Where to safely charge the battery <12-volt battery>

Always charge the battery <12-volt battery> in an open area. Do not charge the battery <12-volt battery> in a garage or closed room where there is insufficient ventilation.

■ Emergency measures regarding electrolyte

- If electrolyte gets in your eyes

Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.

- If electrolyte gets on your skin

Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.

- If electrolyte gets on your clothes

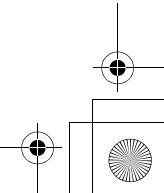
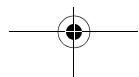
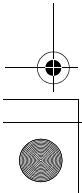
It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.

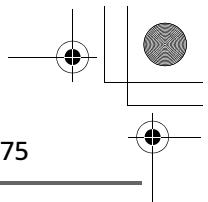
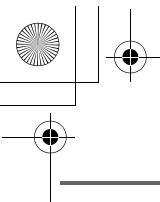
- If you accidentally swallow electrolyte

Drink a large quantity of water or milk. Get emergency medical attention immediately.

■ When there is insufficient battery <12-volt battery> fluid

If the battery <12-volt battery> is used or charged while the battery fluid level in any cell is below the "LOWER LEVEL" line displayed on the side of the battery, the battery life may become short and the battery <12-volt battery> may explode or generate heat.





WARNING

■ When replacing the 12-volt battery (hybrid electric vehicles)

- The hybrid electric vehicles are equipped with the dedicated 12-volt battery. Since the 12-volt battery is equipped inside the vehicle, the exhaust hose needs to be installed. For replacing the 12-volt battery, we recommend that you use genuine Toyota products designated for this vehicle. For more information, contact your Toyota dealer.
- After replacing, be sure to install the exhaust hose to the exhaust hole of the replaced 12-volt battery. If it is not installed correctly, flammable gas may enter the vehicle, and it may ignite and cause an explosion.

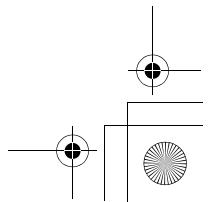
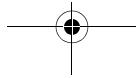
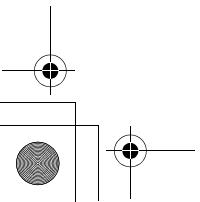
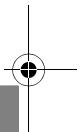
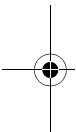
NOTICE

■ When recharging the battery <12-volt battery>

Never recharge the battery <12-volt battery> while the engine <hybrid system> is running. Also, be sure all accessories are turned off.

■ When adding distilled water

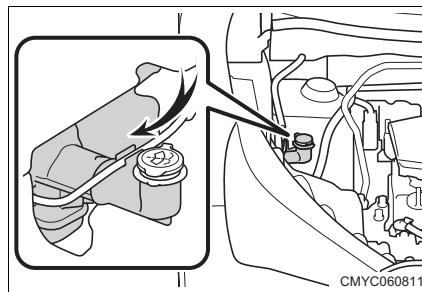
Avoid overfilling. Water spilled during battery <12-volt battery> recharging may cause corrosion.



Washer fluid

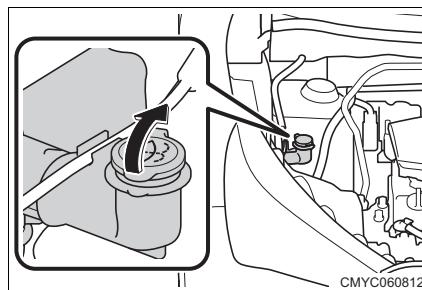
■ Inspection procedure

Check the liquid surface with your eyes from the side of the washer tank.



■ Refill procedure

Remove the cap from the washer tank and dilute the fluid by referring to the freezing temperature shown on the washer fluid container.



! WARNING

■ When adding washer fluid

Do not add washer fluid when the engine <hybrid system> is hot or running 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.

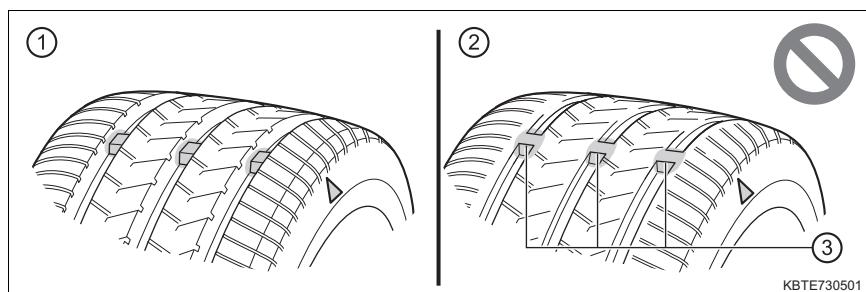
Tires

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 a "TWI" or "△" mark, etc., molded into the sidewall of each tire.

Replace the tires if the treadwear indicators are showing on a tire.

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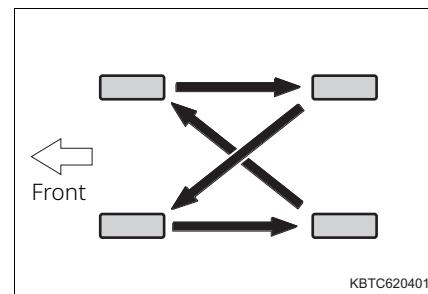
Maintenance and care

Tire rotation

Rotate the tires in the order shown.

To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 5000 km (3000 miles).

Vehicles with a tire pressure warning system: When rotating front and rear tires which have different tire inflation pressures, do not fail to initialize the tire pressure warning system after tire rotation.

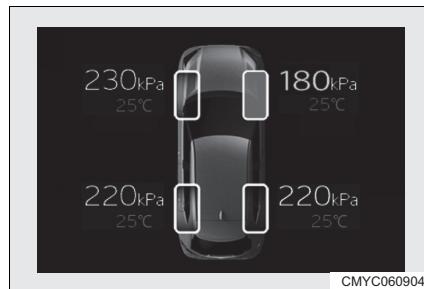


Tire pressure warning system*

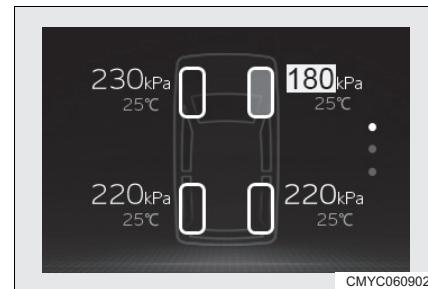
Your vehicle is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise.

If the tire pressure drops below a predetermined level, the driver is warned by a warning light. (→ P. 525)

► Multimedia system



► TFT color multi-information display



The image is an example only.

*: If equipped

Installing tire pressure warning valves and transmitters (vehicles with a tire pressure warning system)

When replacing tires or wheels, tire pressure warning valves and transmitters must also be installed.

When new tire pressure warning valves and transmitters are installed, new ID codes must be registered in the tire pressure warning computer and the tire pressure warning system must be initialized. Have tire pressure warning valve and transmitter ID codes registered by your Toyota dealer. (→ P. 479)

Initializing the tire pressure warning system (vehicles with a tire pressure warning system)

■ The tire pressure warning system must be initialized in the following circumstances:

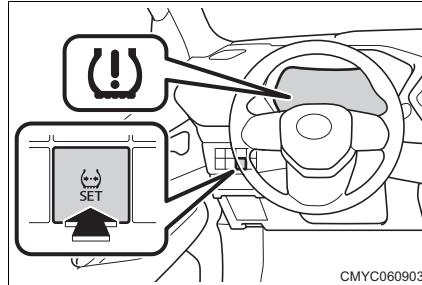
- When rotating front and rear tires which have different tire inflation pressures
- When changing the tire size

When the tire pressure warning system is initialized, the current tire inflation pressure is set as the benchmark pressure.

■ How to initialize the tire pressure warning system

- ① Park the vehicle in a safe place and turn the engine switch <power switch> to "OFF".
Initialization cannot be performed while the vehicle is moving.
- ② Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→ P. 585)
Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.
- ③ Turn the engine switch <power switch> to "ON".

- 4** Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks slowly 3 times.



- 5** Wait for a few minutes with the engine switch <power switch> in "ON" and then turn the engine switch <power switch> to "ACC" or "OFF".

Registering ID codes (vehicles with a tire pressure warning system)

The tire pressure warning valve and transmitter is equipped with a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID code. Have the ID code registered by your Toyota dealer.

■ 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.

■ Replacing tires and wheels (vehicles with a tire pressure warning system)

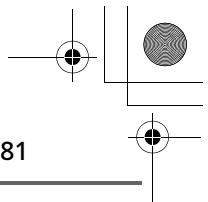
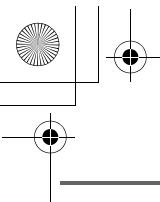
If the ID code of the tire pressure warning valve and transmitter is not registered, the tire pressure warning system will not work properly. After driving for about 10 minutes, the tire pressure warning light blinks for 1 minute and stays on to indicate a system malfunction.

■ Tire life

Any tire over 6 years old must be checked by a qualified technician even if it has seldom or never been used or damage is not obvious.

■ Routine tire inflation pressure checks (vehicles with a tire pressure warning system)

The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

**■ Tire inflation pressure (vehicles with a tire pressure warning system)**

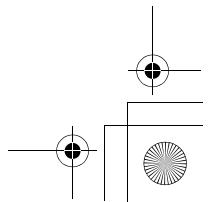
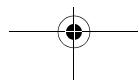
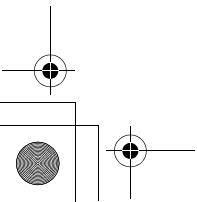
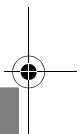
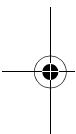
- It may take a few minutes to display the tire inflation pressure after the engine switch <power switch> is turned to ON. It may also take a few minutes to display the tire inflation pressure after inflation pressure has been adjusted.
- Tire inflation pressure changes with temperature. The displayed values may also be different from the values measured using a tire pressure gauge.

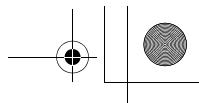
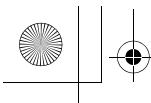
■ Initializing the tire pressure warning system (vehicles with a tire pressure warning system)

Initialize the system with the tire inflation pressure adjusted to the specified level.

■ Situations in which the tire pressure warning system may not operate properly (vehicles with a tire pressure warning system)

- In the following cases, the tire pressure warning system may not operate properly.
 - If non-genuine Toyota wheels are used.
 - A tire has been replaced with a tire that is not an OE (Original Equipment) tire.
 - A tire has been replaced with a tire that is not of the specified size.
 - Tire chains, etc., are equipped.
 - An auxiliary-supported run-flat tire is equipped.
 - If a window tint that affects the radio wave signals is installed.
 - If there is a lot of snow or ice on the vehicle, particularly around the wheels or wheel housings.
 - If the tire inflation pressure is extremely higher than the specified level.
 - If the spare tire is in a location subject to poor radio wave signal reception.
 - If a large metallic object which can interfere with signal reception is put near the spare tire.
 - If a wheel, not equipped with a tire pressure warning valve and transmitter, is used.
 - If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- Performance may be affected in the following situations.
 - Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
 - When carrying a portable radio, cellular phone, cordless phone or other wireless communication device
- When the vehicle is parked, the time taken for the warning to start or go off could be extended.
- When tire inflation pressure declines rapidly for example when a tire has burst, the warning may not function.



**■ The initialization operation (vehicles with a tire pressure warning system)**

- Make sure to carry out initialization after adjusting the tire inflation pressure. Also, make sure the tires are cold before carrying out initialization or tire inflation pressure adjustment.
- If you have accidentally turned the engine switch <power switch> to "OFF" during initialization, it is not necessary to press the reset switch again as initialization will restart automatically when the engine switch <power switch> has been turned to "ON" for the next time.
- If you accidentally press the reset switch when initialization is not necessary, adjust the tire inflation pressure to the specified level when the tires are cold, and conduct initialization again.

■ Warning performance of the tire pressure warning system (vehicles with a tire pressure warning system)

The warning of the tire pressure warning system will change in accordance with the conditions under which it was initialized. For this reason, the system may give a warning even if the tire pressure does not reach a low enough level, or if the pressure is higher than the pressure that was adjusted to when the system was initialized.

■ When initialization of the tire pressure warning system has failed (vehicles with a tire pressure warning system)

Initialization can be completed in a few minutes. However, in the following cases, the settings have not been recorded and the system will not operate properly. If repeated attempts to record tire inflation pressure settings are unsuccessful, have the vehicle inspected by your Toyota dealer.

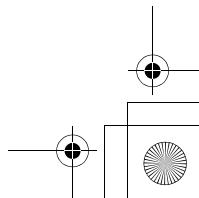
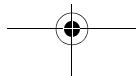
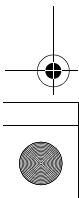
- When operating the tire pressure warning reset switch, the tire pressure warning light does not blink 3 times.
- After driving for a certain period of time since the initialization has been completed, the warning light comes on after blinking for 1 minute.

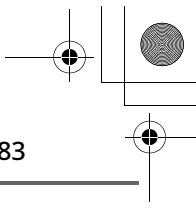
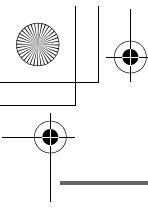
! WARNING**■ When inspecting or replacing tires**

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.





⚠ WARNING

- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer and all season 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.

■ When initializing the tire pressure warning system (vehicles with a tire pressure warning system)

Do not operate the tire pressure warning reset switch without first adjusting the tire inflation pressure to the specified level. Otherwise, the tire pressure warning light may not come on even if the tire inflation pressure is low, or it may come on when the tire inflation pressure is actually normal.

⚠ NOTICE

■ Driving on rough roads

Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

■ If tire inflation pressure of each tire becomes low while driving

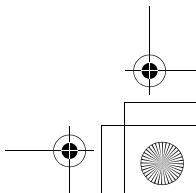
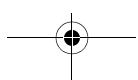
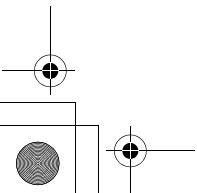
Do not continue driving, or your tires and/or wheels may be ruined.

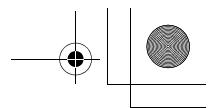
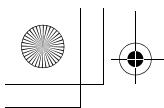
■ Repairing or replacing tires, wheels, tire pressure warning valves, transmitters and tire valve caps (vehicles with a tire pressure warning system)

- When removing or fitting the wheels, tires or the tire pressure warning valves and transmitters, contact your Toyota dealer as the tire pressure warning valves and transmitters may be damaged if not handled correctly.
- Make sure to install the tire valve caps. If the tire valve caps are not installed, water could enter the tire pressure warning valves and the tire pressure warning valves could be bound.
- When replacing tire valve caps, do not use tire valve caps other than those specified. The cap may become stuck.

■ To avoid damage to the tire pressure warning valves and transmitters (vehicles with a tire pressure warning system)

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Toyota dealer or other qualified service shop as soon as possible. After use of liquid sealant, make sure to replace the tire pressure warning valve and transmitter when repairing or replacing the tire. (→ P. 478)





Tire pressure

To maintain proper tire inflation pressure, perform a tire inflation pressure check at least once a month. However, Toyota recommends that tire inflation pressure be checked once every two weeks.
(→ P. 585)

■ Incorrect tire pressure

Driving with improperly adjusted tire pressure may result in the following:

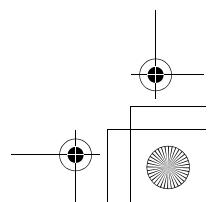
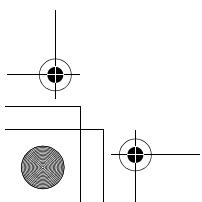
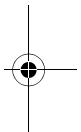
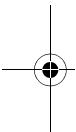
- Reduced fuel economy
- Reduced driving comfort and poor handling
- Reduced tire life due to wear
- Reduced safety
- Damage to the drive train

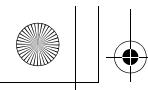
If a tire needs frequent inflating, have your Toyota dealer inspect it.

■ Instructions for checking tire pressure

When checking tire 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.
- When loading luggage or driving with many occupants, do not apply the load unevenly





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:

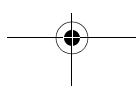
- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges in the road, etc.)

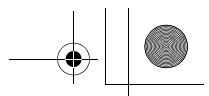
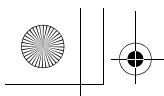
NOTICE

■ After inspecting and adjusting the tire pressure

Be sure to put the tire valve caps back on securely.

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

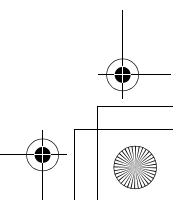
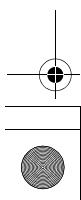
Aluminum wheel* precautions

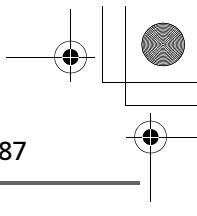
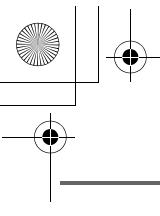
- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Use only Toyota genuine balance weights or equivalent and use a plastic or rubber hammer when balancing your wheels.

When replacing wheels (vehicles with a tire pressure warning system)

The wheels of your vehicle are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advance warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, tire pressure warning valves and transmitters must be installed.
(→ P. 479)

*: If equipped





⚠ 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. 555) 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.

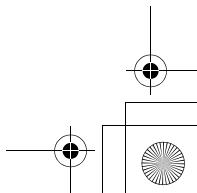
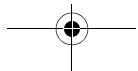
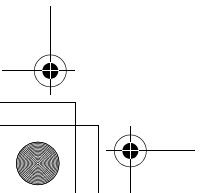
6

Maintenance and care

⚠ NOTICE

■ Replacing tire pressure warning valves and transmitters (vehicles with a tire pressure warning system)

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by your Toyota dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at your Toyota dealer.
- Ensure that only genuine Toyota wheels are used on your vehicle. Tire pressure warning valves and transmitters may not work properly with non-genuine wheels.



Replacing the air conditioning filter

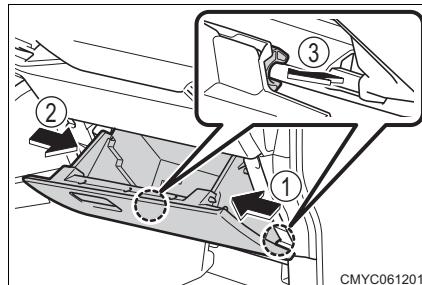
The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

Replacement method

1 Turn the engine switch <power switch> to "OFF"

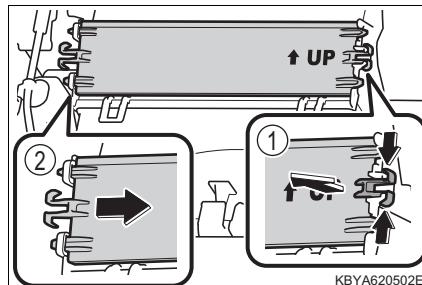
2 Remove the glove box

- ① Push the right side inward and disengage the upper claw
- ② Push the left side inward and disengage the upper claw
- ③ Disengage the lower claws



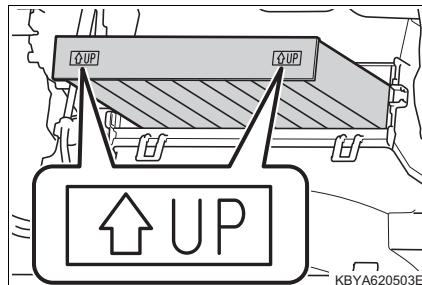
3 Remove the filter cover

- ① Unlock the filter cover
- ② Slide the filter cover in the direction of the arrow to remove it



4 Remove the filter and replace it with a new one

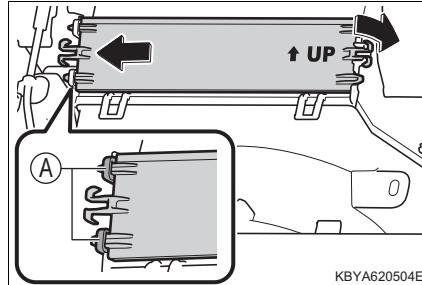
"↑ UP" Attach it so that the arrow indicated with the icon faces upward.



6-3. Do-it-yourself maintenance

- 5** To install, reverse the removal procedure

Insert the filter into section A then attach the filter cover.

**■ Changing 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. (→ P. 452)

■ If air flow from the air conditioning system decreases

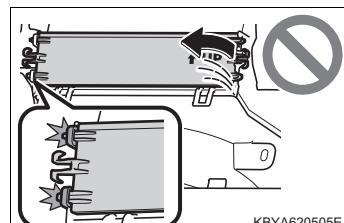
Replace the filter because it may be clogged.

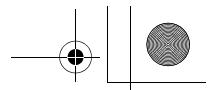
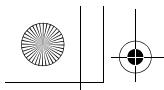
! NOTICE**■ Precautions when using the air conditioning system**

- Using the air conditioning system without a filter may cause damage to the system. Make sure that a filter is always installed.
- The filter is replaceable.
Do not wash it with water or blow air to clean it.

■ To prevent damage to the filter cover

When unlocking the filter cover, be careful not to apply excessive force to the claws when moving the filter cover in the direction of the arrows. The claws may be damaged.





Cleaning the hybrid battery (traction battery) air intake vent (hybrid electric vehicles)

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 displayed on the multi-information display, clean the air intake vent using the following procedures:

■ Scheduled maintenance of the air intake vent is necessary when

In some situations such as when the vehicle is used frequently or in heavy traffic or dusty areas, the air intake vent may need to be cleaned more regularly. For details, refer to the maintenance schedule. (→ P. 452)

■ Cleaning the air intake vent

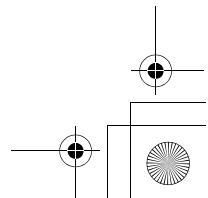
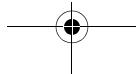
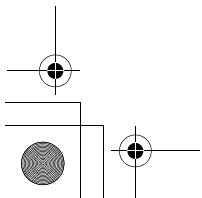
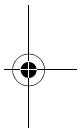
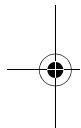
Improper handling of the air intake vent cover and filter may result in damage to them. If you have any concerns about cleaning the filter, contact your Toyota dealer.

NOTICE

■ If "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" is displayed on the TFT color multi-information display

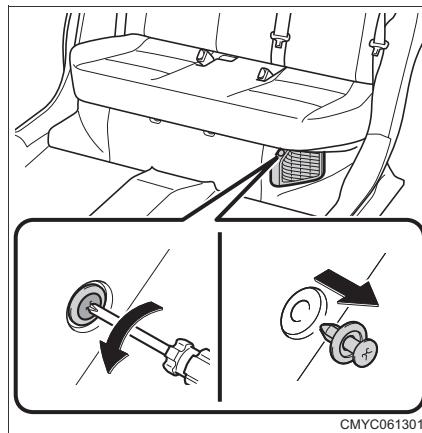
Clean the air intake vent immediately.

If the vehicle is continuously driven with the warning message displayed, it may cause a malfunction or output restriction of the hybrid battery (traction battery).

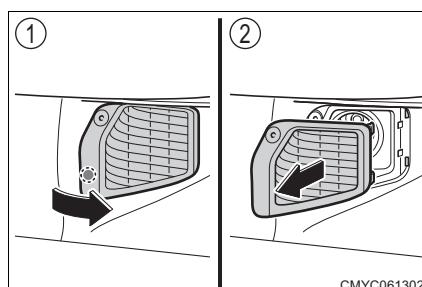


Cleaning procedure

- 1 Turn the power switch off.
- 2 Using a Phillips screwdriver, remove the clip.



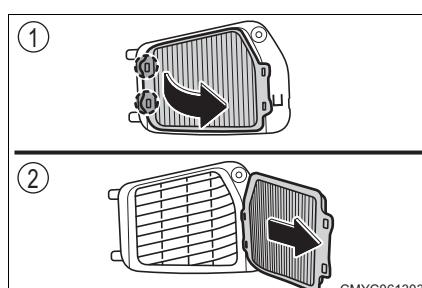
- 3 Remove the air intake vent cover.
 - ① Pull the cover as shown in the illustration to disengage the claw.
 - ② Remove the air intake vent cover.



- 4 Remove the filter from the air intake vent cover.

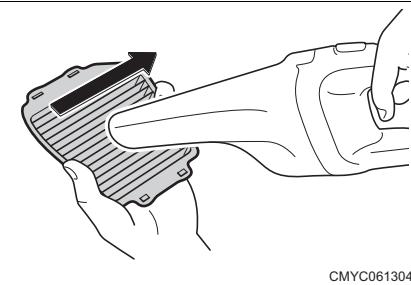
If dust has accumulated on the air intake vent cover, remove the dust with a vacuum cleaner, etc.

 - ① Disengage the 2 claws as shown in the illustration.
 - ② Remove the filter from the cover.



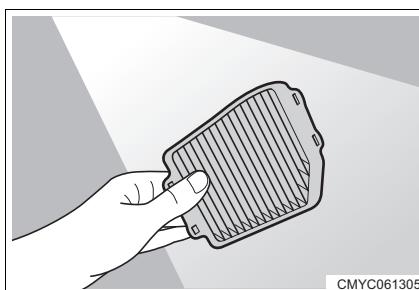
- 5 Remove the dust and sand from the filter.

Using a vacuum cleaner, etc., absorb dust and sand from the filter by profiling the nozzle lightly along the fold.



- 6 Hold the filter to the light and check if it is not clogged.

If the dust or sand cannot be removed completely, contact your Toyota dealer.



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- 7 Install the filter in its original position, and then install the air intake vent cover.

► If "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" was displayed on the TFT color multi-information display

- 8 Start the hybrid system and check that the warning message is no longer displayed.

It may be necessary to drive the vehicle for approximately 20 minutes before the warning message is displayed again then disappears.

If the warning message does not disappear after some time, have the vehicle inspected by your Toyota dealer.

■ If the dust or sand on the filter cannot be removed

It is recommended to use a vacuum cleaner with plastic brushes.

⚠ WARNING

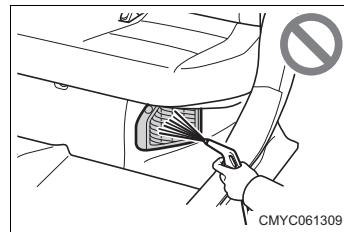
■ When cleaning the air intake vent

- Do not use water or other liquids to clean the air intake vent. If water is applied to the hybrid battery (traction battery) or other components, a malfunction or fire may occur.
- Before cleaning the air intake vent, make sure to turn the power switch off to stop the hybrid system.
- Do not put a hand or leg in the air intake vent. If it is caught in a cooling fan, or if it touches a high voltage part that results in an electric shock, death or serious injuries may result.

⚠ NOTICE

■ When cleaning the air intake vent

Do not use an air blow gun, etc.
Dust may be blown out, possibly causing a malfunction or output restriction of the hybrid battery (traction battery).



■ To prevent damage to the vehicle

Observe the following precautions:

- Do not allow liquid or foreign matter to enter the air intake vent.
- Make sure to reinstall the filter and cover to their original positions after cleaning.
- Do not install anything to the air intake vent other than the exclusive filter for this vehicle or use the vehicle without the filter installed.

■ To prevent damage to the filter

Observe the following precautions.

If the filter is damaged, have it replaced with a new filter by your Toyota dealer.

- Do not use an air blow gun, etc.
- Do not press hard a vacuum cleaner, etc. against the filter.
- Do not use a hard brush, such as a metal brush.
- Do not break the fold of the filter.

Replacing the wiper rubbers

When replacing the wiper rubbers, handle each part of the wipers as follows.

Windshield wipers

■ Removing and attaching the windshield wiper blades

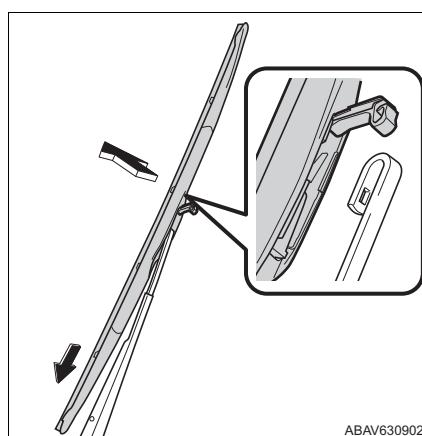
- 1** Raise the wiper arm in the order of driver's seat side and front passenger's seat side. Insert a flathead screwdriver to lift the cover

To prevent damage, wrap a cloth around the tip of the flathead screwdriver or the like to protect it.



ABA/630901

- 2** Slide the wiper blade and remove it from the wiper arm

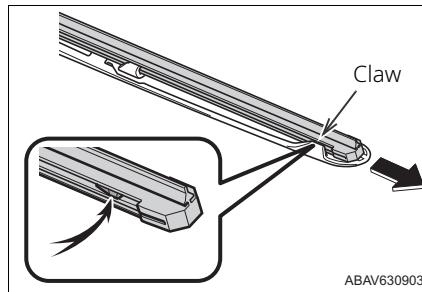


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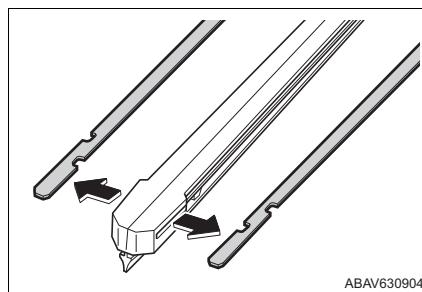
- 3** To attach the wiper blade, reverse the removal procedure

■ Replacing the windshield wiper rubbers

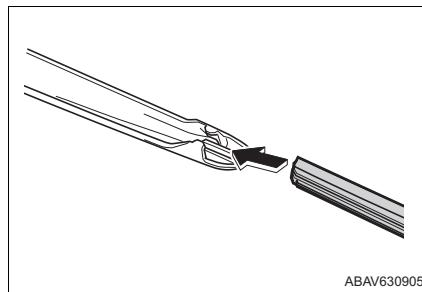
- 1 Pull the wiper rubber, remove the stopper by pressing the claw of the wiper blade, and pull out the wiper rubber



- 2 Remove the 2 metal plates from the old wiper rubber and attach them to the new wiper rubber
Pay attention to the orientation of the notch and upward curve of the metal plate.



- 3 In attachment, insert it into the wiper blade from the side without the wiper rubber stopper



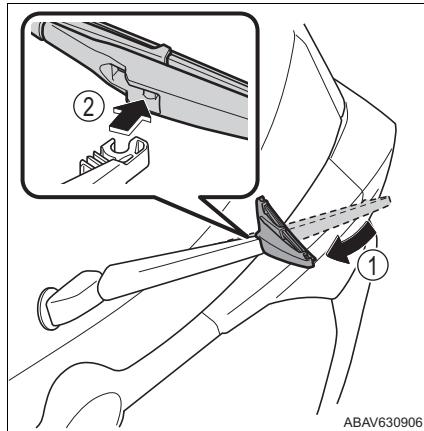
- 4 Carefully secure the wiper rubber stopper with the claw of the wiper blade

Rear wiper

■ Removing and attaching the rear wiper blades

- ① Raise the wiper arm and remove the wiper blade

- ① Rotate the wiper blade until the claw fitting comes off
- ② Remove the wiper blade from the wiper arm



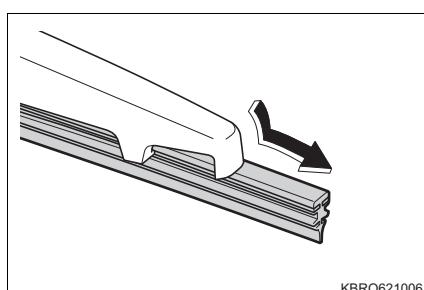
- ② To attach the wiper blade, do it in the reverse steps of the procedure ①

When returning the raised wiper arm, return it slowly while holding it with hands.

After attaching the wiper blade, make sure that the joint is securely locked.

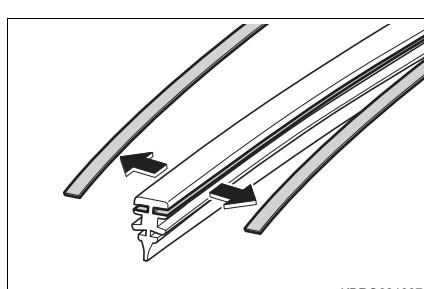
■ Replacing the rear wiper rubbers

- ① Pull out the wiper rubber from the wiper blade's stopper and remove it all the way



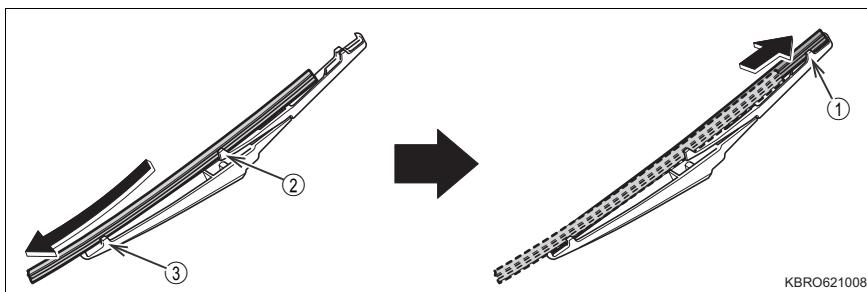
- ② Remove the 2 metal plates from the old wiper rubber and attach them to the new wiper rubber

Pay attention to the orientation of the upward curve of the metal plate.



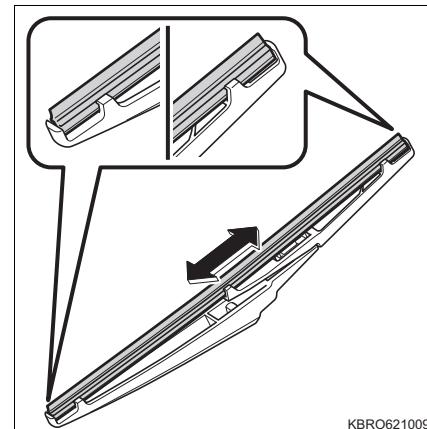
- 3** Insert the wiper rubber through the ② claw of the wiper blade. Once the wiper rubber runs through the ③ claw, let it stick out from the stopper and then slide it through the other ① claw

Applying a small amount of washer fluid to the wiper rubber makes the insertion easier.



- 4** Check to see if the wiper blade claw is placed in the groove of the wiper rubber

- When the wiper blade claw is not placed in the groove of the wiper rubber, pinch the wiper rubber and slide it several times to put it into the groove.
- Lifting the center part of the wiper rubber makes it easier to slide.



6

Maintenance and care

■ Handling of wiper blade and wiper rubber

Incorrect handling can damage the wiper blade and wiper rubber. If you are not comfortable with replacing the wiper blade and wiper rubber yourself, contact your Toyota dealer.

NOTICE

- If you raise the wiper blade by holding the blade only, the blade may be deformed. Be sure to lift it by holding the wiper arm.
- When replacing the wiper, be careful not to damage the claws.
- After removing the wiper blade from the wiper arm, place a cloth between the window and the wiper arm to prevent the window from being damaged.
- Do not force the wiper rubber out or deform the wiper rubber metal plates.

Replacing the key battery

When the battery is low, replace it with a new battery.

What to prepare

- A thin-bladed flathead screwdriver (narrow enough to fit in the dent)
- Emergency key
- Lithium battery CR2032

How to replace the battery

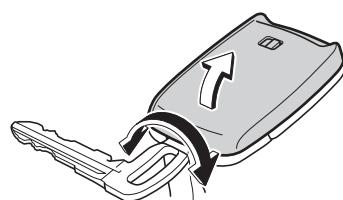
1 Remove the emergency key (→ P. 140)

2 Remove the cover

Place the Toyota logo side down when removing it.

Insert the emergency key all the way to the end.

To prevent damage, wrap a cloth around the emergency key to protect it.



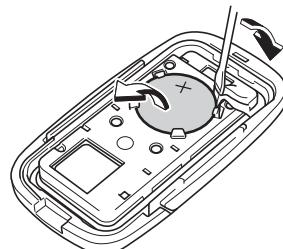
KBTA620606

3 Remove the depleted battery

To prevent damage, wrap a cloth around the tip of the flathead screwdriver or the like to protect it.

When you remove the cover, you may encounter a situation where the electronic key's module (substrate) is attached to the top cover, hiding the battery surface. In this case, flip over the electronic key's module (substrate) to make the battery visible as shown in the figure.

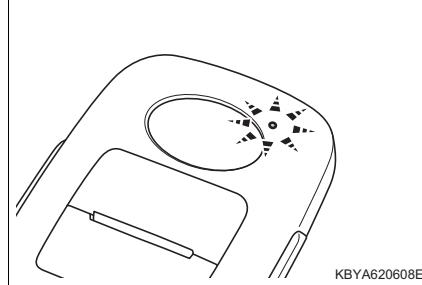
Insert a new battery with the positive side up.



KBTA620607

4 Attach the cover

Check to see if the indicator blinks when you press the switch

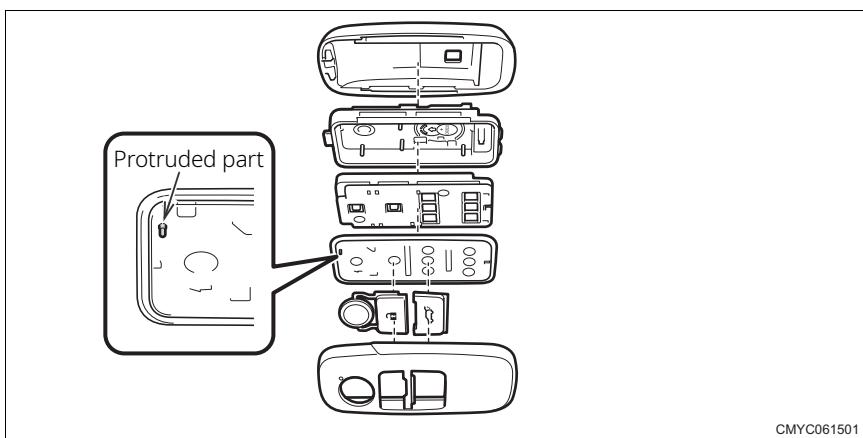
**■Replacing the battery**

Incorrect handling could damage the key. If you are not comfortable with replacing the battery yourself, contact your Toyota dealer.

■When the components of the electronic key get separated

See the figure below and assemble them.

When you assemble, keep the protruded part to face down.



6

Maintenance and care

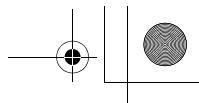
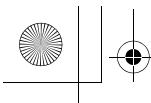
■Use a CR2032 lithium battery

- 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 local laws.

■When the battery of the electronic key is low

You will experience the following:

- The key-free system or wireless remote control will not start
- The activation range becomes short
- The indicators do not flash



⚠ 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

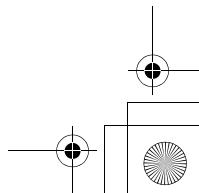
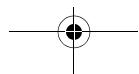
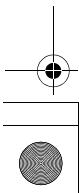
■ Important points when replacing the batteries

Before you replace the battery, make sure to discharge static electricity from your body and clothing. Static electricity could damage the key. To discharge static electricity, prepare items that can remove static electricity in advance or touch metal parts with your hands.

■ To make it function properly after the replacement

Observe the following precautions.

- Never replace the battery with wet hands
Doing so could cause rusting.
- Do not touch or move the parts except the battery
- Do not bend the electrodes



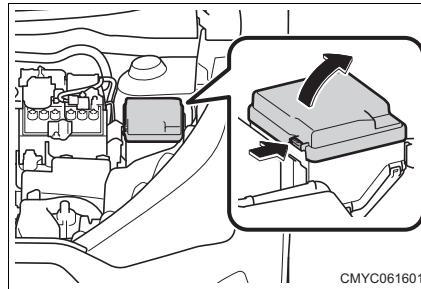
Checking and replacing fuses

If a light or the electrical system does not operate, a fuse may have blown. Check the fuse.

- 1** Turn the engine switch <power switch> to "OFF"
- 2** Open the fuse box

► Engine compartment

While pressing down the claw, lift the cover

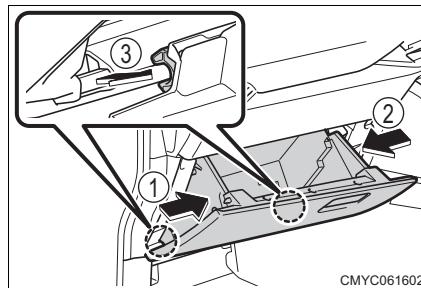


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► Instrument panel

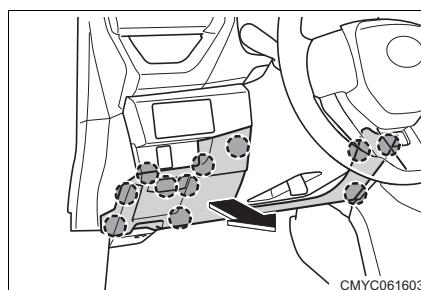
For right-hand drive vehicles, remove the glove box in the legroom of the passenger's seat

- ① Push the left side inward and disengage the upper claw
- ② Push the right side inward and disengage the upper claw
- ③ Disengage the lower claws



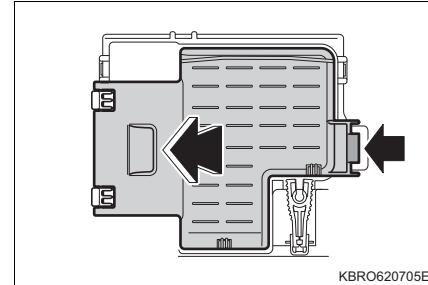
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For left-hand drive vehicles, disengage the claws at 11 locations and remove the lower cover in the legroom of the driver's seat



CMYC061603

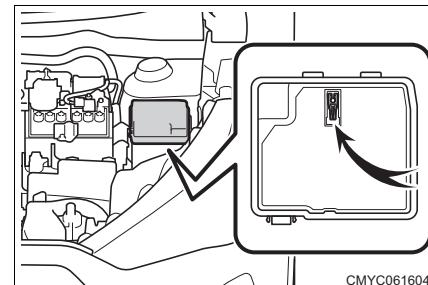
If the fuse box has a cover, remove the cover while pressing the claw



[3] Remove the fuse removal tool

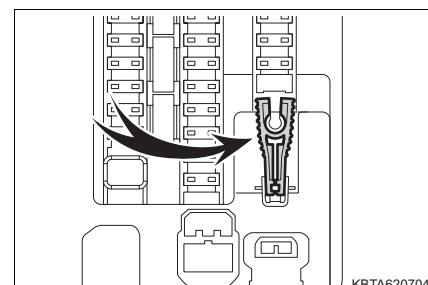
► Engine compartment

Remove the fuse removal tool from the inner side of the cover

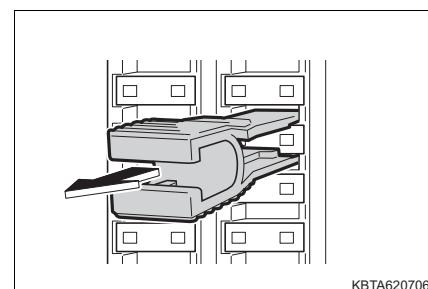


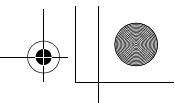
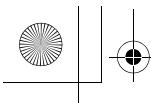
► Instrument panel

Remove the fuse removal tool from the fuse box



[4] Remove the fuse by pinching it with the fuse removal tool

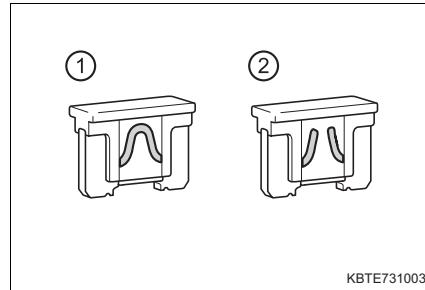


**5** Check if the fuse is blown.

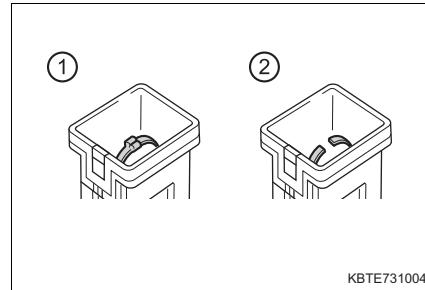
- ① Normal fuse
- ② Blown fuse

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

**6** To install, reverse the removal procedure**■ After a fuse is replaced**

- If the lights do not turn on even after the fuse has been replaced, replace the bulb. (→ P. 505)
- If the replaced fuse blows again, or if the electrical system does not work, have the vehicle inspected by your Toyota dealer.

6

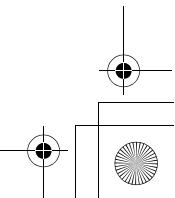
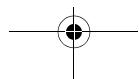
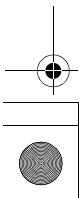
Maintenance and care

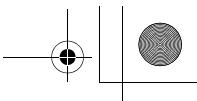
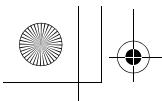
■ If there is an overload in a circuit

The fuses are designed to blow, protecting the wiring harness from damage.

■ When replacing light bulbs

We recommend that you use genuine Toyota products designated for this vehicle. Because certain bulbs are connected to circuits designed to prevent overload, products other than the Toyota genuine parts designated for this vehicle may be unusable.



**⚠ WARNING****■ To prevent system breakdowns and vehicle fire**

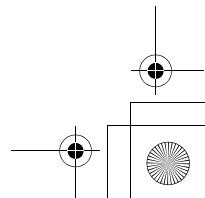
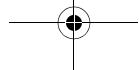
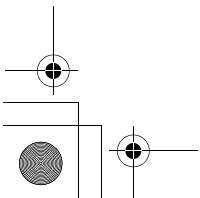
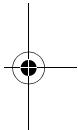
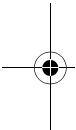
Observe the following precautions.

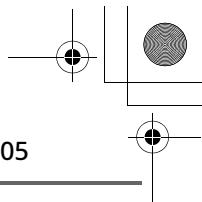
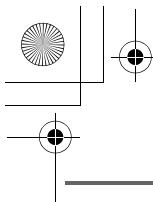
Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- 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**

If you find that the cause of the blown fuse is an overload of electricity, have the vehicle inspected at your Toyota dealer.





Light bulbs

If any lights burn out, have it replaced by your Toyota dealer.

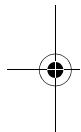
■ LED lights

The lights 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.

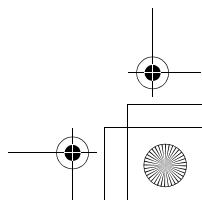
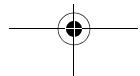
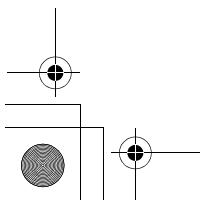
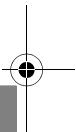
■ Condensation build-up on the inside of the lens

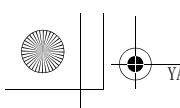
Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction. Contact your Toyota dealer for more information in the following situations:

- Large drops of water have built up on the inside of the lens.
- Water has built up inside the headlight.



6
Maintenance and care

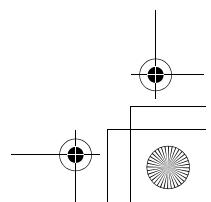
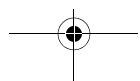
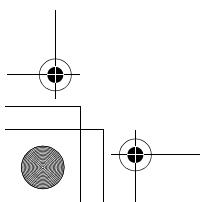
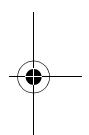
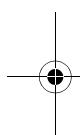
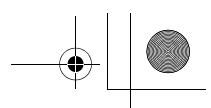




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506

6-3. Do-it-yourself maintenance



When trouble arises**7****7-1. Essential information**

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If your vehicle has to be stopped in an emergency.....	509
Fire extinguisher.....	511
If the vehicle is submerged or water on the road is rising ...	513

7-2. Steps to take in an emergency

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When warning messages are displayed	530
When the function off codes are displayed (vehicles with Toyota Safety Sense)	547
If you have a flat tire	549
If the engine does not start (gasoline vehicles)	559
If the hybrid system does not start (hybrid electric vehicles).....	560
If the electronic key does not work properly	561
If the vehicle battery <12-volt battery> is discharged.....	563
If your vehicle overheats	571
If the vehicle has become stuck	575

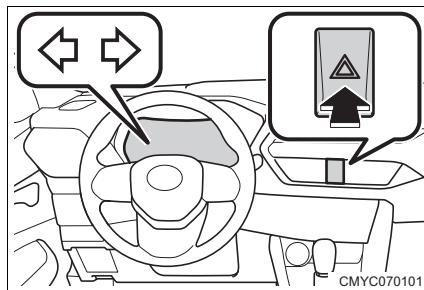
Emergency flashers

Use the emergency flashers to warn other drivers when the vehicle has to be stopped in the road due to a breakdown or other reason.

Press the switch

All the turn signal lights will flash.

To turn them off, press the switch once again.



NOTICE

■ Emergency flashers

If the emergency flashers are used for a long time while the engine <hybrid system> is not operating, the battery <12-volt battery> may discharge.

If your vehicle has to be stopped in an emergency

Only in an emergency when it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

1 Keep the brake pedal depressed firmly with your both feet

Do not pump the brake pedal repeatedly. This will increase the effort required, and the braking distance will also become longer.

2 Set the shift lever to N

► If the shift lever is set to N

3 After slowing down, stop the vehicle in a safe place by the roadside

4 Stop the engine <hybrid system>

► If the shift lever cannot be set to N

3 Keep the brake pedal depressed with your both feet to reduce vehicle speed as much as possible

4 Gasoline vehicles: Stop the engine by pressing and holding the engine switch for 3 seconds or longer, or press the engine switch quickly for 3 consecutive times or more



Press and hold for 3 or more seconds or press in succession 3 or more times
KBTA710402

Hybrid electric vehicles: Stop the hybrid system by pressing and holding the power switch for 2 seconds or longer, or press the power switch quickly for 3 consecutive times or more



Press and hold for 2 or more seconds or press in succession 3 or more times
CMYC070201

5 Stop the vehicle in a safe place by the roadside

7

When trouble arises

 **WARNING**

■ If the engine <hybrid system> has to be turned off while driving

Gasoline vehicles: Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.

Hybrid electric vehicles: 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.

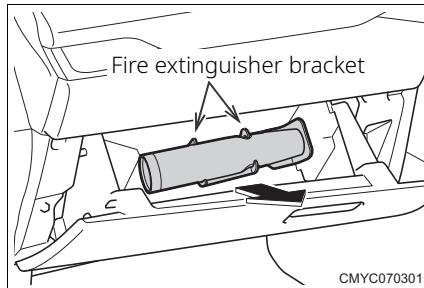
Fire extinguisher*

A fire extinguisher is located in the glove box.

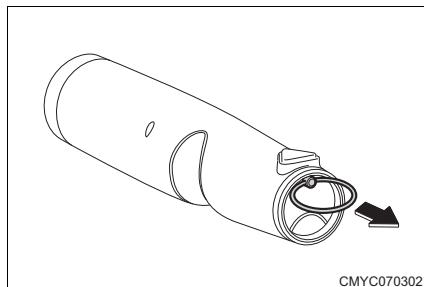
It is for use in emergencies, such as in the event of a fire.

Taking out the fire extinguisher

- 1** Take out the fire extinguisher from the glove box.

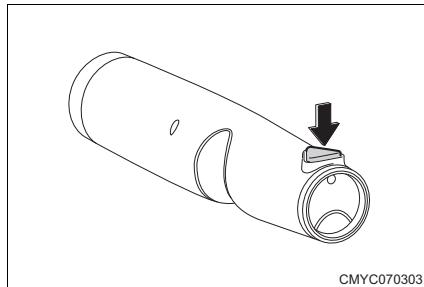


- 2** Pull out the manual safety ring.



- 3** Aim the device to the base of the fire.

- 4** Press the yellow button (Press Start Button).



7

When trouble arises

*: If equipped

■ After using the fire extinguisher

Store it securely in place. Replace it with a new one as soon as possible.

■ Expiration date

The fire extinguisher has an expiration date. It should be replaced with a new one before the expiry date.

! WARNING**■ When the fire extinguisher is not in use**

Keep the fire extinguisher securely in place and close the glove box. Otherwise, it may be thrown about in the event of sudden braking or a collision leading to death or serious injury.

! NOTICE**■ Fire extinguisher handling and care**

- Do not drop the fire extinguisher device.
It may cause the fire extinguisher device to not work.
- Make sure the rubber plug is always attached at the front of the fire extinguisher device. Do not remove the rubber plug from the fire extinguisher device.
- Do not reuse the fire extinguisher.
Replace it with a new one as soon as possible after using it.
- Use a genuine Toyota fire extinguisher when replacing.
If a non-genuine Toyota fire extinguisher is used, it may not be possible to secure the fire extinguisher properly and it may come loose.

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 <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 necessary to contact dealers before towing

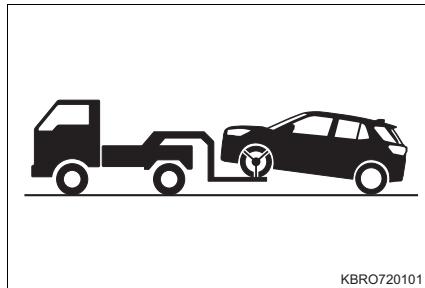
The following may indicate a problem with your transmission.

Contact your Toyota dealer or commercial towing service before towing.

- ▶ Gasoline vehicles
- The engine is running but the vehicle does not move.
- The vehicle makes an abnormal sound.
- ▶ Hybrid electric vehicles
- The hybrid system warning message is shown on the TFT color multi-information display and the vehicle does not move.
- The vehicle makes an abnormal sound.

Towing with a wheel-lift type truck

▶ From the front

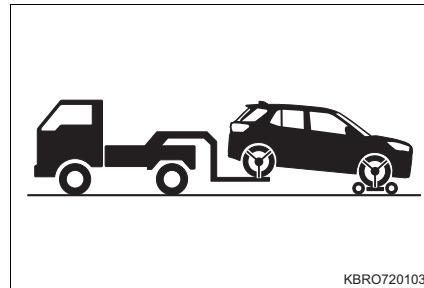


KBRO720101

Release the parking brake.

Turn OFF the automatic mode. (→ P. 244)

▶ From the rear



KBRO720103

Use a towing dolly under the front wheels.

WARNING

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

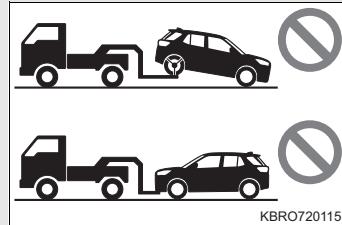
■ When towing the vehicle

► Gasoline vehicles

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.

► Hybrid electric vehicles

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.



7

When trouble arises

NOTICE

■ To prevent damage to the vehicle when towing using a wheel-lift type truck

- Manual transmission vehicles: Do not tow the vehicle from the rear when the engine switch is "OFF". The steering lock mechanism is not strong enough to hold the front wheels straight.

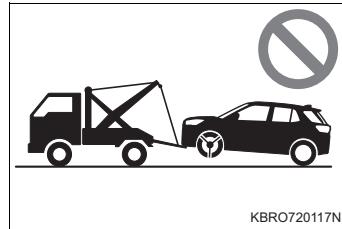
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle.

Without adequate clearance, the vehicle could be damaged while being towed.

 **NOTICE**

■ **Towing with a sling-type truck**

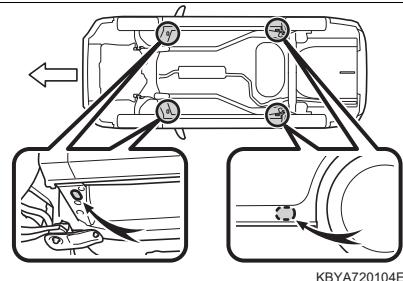
Do not tow with a sling-type truck to prevent body damage.



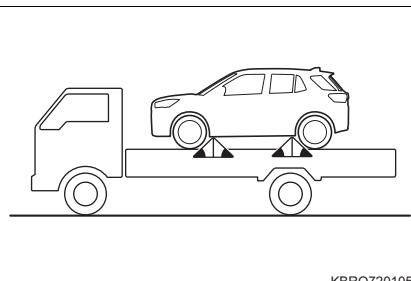
Using a flatbed truck

If your vehicle is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.

After transportation, restore the lid attached to the rear side.



When securing the vehicle using chains, cables, or the like, set the angles indicated in black in the illustration to 45° as a guide.



 **NOTICE**

■ **Using a flatbed truck**

Do not overly tighten the tie downs or the vehicle may be damaged.

Emergency towing

► Gasoline vehicles

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 at most 80 km (50 miles) 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.

For vehicles with a continuously variable transmission, only the front towing eyelets may be used.

► Hybrid electric vehicles

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, drivetrain, axles, steering and brakes must be in good condition.

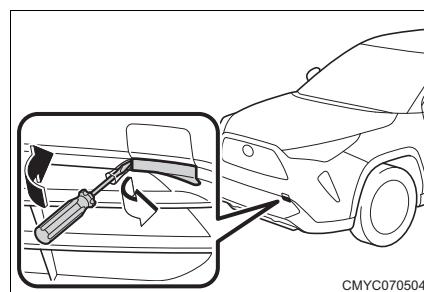
Emergency towing procedure

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.

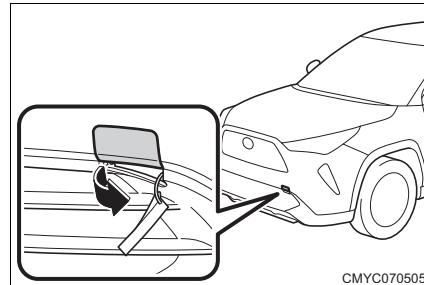
1 Take out the wheel nut wrench, and towing eyelet (→ P. 550).

2 Remove the lower 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.

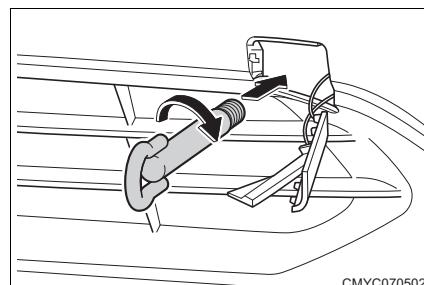


- 3** Remove the upper eyelet cover.



CMYC070505

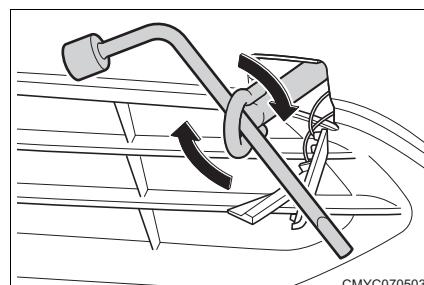
- 4** Insert the towing eyelet into the hole and tighten partially by hand.



CMYC070502

- 5** 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.



CMYC070503

- 6** Securely attach cables or chains to the towing eyelet.

Take care not to damage the vehicle body.

- 7** Enter the vehicle being towed and start the engine <hybrid system>.

If the engine <hybrid system> does not start, turn the engine switch <power switch> to "ON".

- 8** Shift the shift lever to N and release the parking brake.

Turn OFF the automatic mode. (→ P. 243)

When the shift lever cannot be shifted: → P. 234, 240

■ While towing

If the engine is not running <hybrid system is off>, the power assist for the brakes and steering will not function, making steering and braking more difficult.

■ Wheel nut wrench

The wheel nut wrench is stored in the tool bag. (→ P. 550)

■ After towing

Remove the towing eyelet and securely attach the cover in place.

WARNING

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

■ While towing

- When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing 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 engine switch <power switch> "OFF".
There is a possibility that the steering wheel is locked and cannot be operated.

■ Installing towing eyelets to the vehicle

Make sure that towing eyelets are installed securely. If not securely installed, towing eyelets may come loose during towing.

NOTICE

■ To prevent damage to the vehicle during emergency towing

Do not secure cables or chains to the suspension components.

■ When the engine switch malfunction (manual transmission vehicles)

Since the steering wheel cannot be unlocked, towing by rope is not possible.

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 engine 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 engine <hybrid system>

Operational symptoms

- Engine misfire, stumbling or running roughly
- Appreciable loss of power
- Vehicle pulls heavily to one side when braking
- Vehicle pulls heavily to one side when driving on a level road
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

Fuel pump shut off system

If the engine stalls due to a strong external impact, the fuel pump shut off system may be operating. The fuel pump shut off system is a device that prevents secondary disasters such as fires by stopping the supply of fuel to the engine.

Follow the procedure below to restart the engine <hybrid system> after the system is activated

► Gasoline vehicles

- ① Turn the engine switch to "ACC" or "OFF"
- ② Restart the engine

► Hybrid electric vehicles

→ P. 78

WARNING

■ Before starting the engine (gasoline vehicles)

Inspect the ground under the vehicle.

If you find that fuel has leaked onto the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

7

When trouble arises

If a warning light turns on

If a warning light remains on or flashes, remain calm and take the following actions. Even if the warning light lights up or flashes then goes out, it is not a malfunction. However, if the same phenomenon occurs again, have the vehicle inspected at your Toyota dealer.

Warning light/Warning buzzers list

Warning lights	Warning light name/Warning content/Action to take
 (Red)	Brake system warning light (warning buzzer *1) <ul style="list-style-type: none"> Low brake fluid level Malfunction in the brake system <p>→ Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle is dangerous.</p>
 (Yellow)	Brake system warning light <ul style="list-style-type: none"> Malfunction in the parking brake Malfunction in the electronically controlled brake system* Malfunction in the regenerative braking system* <p>→ Have the vehicle inspected at your Toyota dealer immediately.</p>
 (Red light flashing or lit)	High coolant temperature warning light Abnormal engine coolant temperature (light changes from flashing to lit as the temperature rises→ P. 571.) <p>→ Immediately stop the vehicle in a safe place and contact your Toyota dealer.</p>
	Malfunction indicator lamp <ul style="list-style-type: none"> Malfunction in the hybrid system* Malfunction in the electronic engine control system Electronic control throttle error <p>→ Have the vehicle inspected at your Toyota dealer immediately.</p>
	SRS warning light <ul style="list-style-type: none"> Malfunction in the SRS airbag system Malfunction in the seat belt pretensioner & force limiter system <p>→ Have the vehicle inspected at your Toyota dealer immediately.</p>
	ABS warning light Malfunction in the ABS system <p>→ Have the vehicle inspected at your Toyota dealer immediately.</p>

*: If equipped

7-2. Steps to take in an emergency

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Warning lights	Warning light name/Warning content/Action to take
 (Flashing)	Brake hold system switch-on indicator Malfunction in the brake hold system → Have the vehicle inspected at your Toyota dealer immediately.
 (Red)	Electric power steering system warning light (warning buzzer) Malfunction in EPS (Electric Power Steering) system → Have the vehicle inspected at your Toyota dealer immediately.
 (Yellow) * ₂	Electric power steering system warning light (warning buzzer) Low battery voltage/Electric power steering overheating → Steering wheel operation becomes heavy. Restraining from operating the steering wheel for a short while. When about 10 minutes has passed, it will return to its usual weight.
 (Yellow)	AHB warning light* Malfunction in the AHB system → Have the vehicle inspected at your Toyota dealer.
 (Flashing)  (Flashing) 	Toyota Safety Sense OFF indicator light* Lane Departure Warning OFF indicator* Master warning light Malfunction in some features of the Toyota Safety Sense system → Have the vehicle inspected at your Toyota dealer.
 (Lit)  (Lit)	Toyota Safety Sense OFF indicator light* Lane Departure Warning OFF indicator* (when the light comes on with the function off code) Toyota Safety Sense function stopped → Take action according to the displayed function off code. (→ P. 547)
 (Yellow)	ACC warning light* <ul style="list-style-type: none"> Malfunction in the Adaptive Cruise Control System error of the Adaptive Cruise Control during vehicle stop control → Have the vehicle inspected at your Toyota dealer.
 (Yellow)	LKC warning light* Malfunction in the LKC system → Have the vehicle inspected at your Toyota dealer.

*: If equipped

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When trouble arises

Warning lights	Warning light name/Warning content/Action to take
 (Lit)	<p>Slip indicator</p> <ul style="list-style-type: none"> Malfunction in the brake assist Malfunction in the VSC system Malfunction in the TRC system (Flashes when VSC/TRC/ABS is activated → P. 379) Malfunction in the hill-start assist control system <p>→ Have the vehicle inspected at your Toyota dealer.</p>
 (Flashing)	<p>BSM OFF indicator*</p> <p>Area surrounding radar sensor on rear bumper (→ P. 351) is covered with rain, snow, ice, dirt, etc.</p> <p>→ Remove the rain, snow, ice, dirt, etc. If flashing persists even after some time has elapsed since removal, have the vehicle inspected at your Toyota dealer.</p>
 (Flashing)	<p>RCTA OFF indicator*</p> <p>Area surrounding radar sensor on rear bumper (→ P. 351) is covered with rain, snow, ice, dirt, etc.</p> <p>→ Remove the rain, snow, ice, dirt, etc. If flashing persists even after some time has elapsed since removal, have the vehicle inspected at your Toyota dealer.</p>
	<p>Hands-off warning light (warning buzzer*3)*</p> <p>The driver is driving with their hands off the steering wheel</p> <p>→ Operate the steering wheel holding it firmly.</p>
	<p>Low fuel level warning light</p> <p>Gasoline vehicles: Fuel level has become approx. 6.3 L (1.7 gal., 1.4 Imp.gal.) or lower</p> <p>Hybrid electric vehicles: Fuel level has become approx. 6.5 L (1.7 gal., 1.4 Imp.gal.) or lower</p> <p>→ Refuel the vehicle</p>
	<p>Driver's seat belt reminder warning light (warning buzzer*4)</p> <p>Driver's seat belt is not fastened</p> <p>→ Wear a seat belt</p>
	<p>Front passenger's seat belt reminder warning light*5, 6 (warning buzzer*4)</p> <p>Front passenger's seat belt is not fastened</p> <p>→ Wear a seat belt</p>

*: If equipped

7-2. Steps to take in an emergency

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Warning lights	Warning light name/Warning content/Action to take
	<p>Rear seat belt reminder warning light*6, 7 (warning buzzer*8) Rear seat belt is not fastened → Wear a seat belt</p>
	<p>Tire pressure warning light* When the light comes on: Low tire inflation pressure such as <ul style="list-style-type: none"> • Natural causes (→ P. 527) • Flat tire (→ P. 549) → Adjust the tire inflation pressure (including the spare tire) to the specified level. → The light will turn off after a few minutes. In case the light does not turn off even if the tire inflation pressure is adjusted, have the system checked by your Toyota dealer. When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system → Have the system checked by your Toyota dealer.</p>
	<p>Parking brake indicator <ul style="list-style-type: none"> • Overheating in the parking brake → Refrain from using the parking brake for a short while. When the temperature of the parking brake is lowered, it can be used. <ul style="list-style-type: none"> • The parking brake stopped working → When you tried to release the parking brake: Release the parking brake again When you tried to apply the parking brake: Apply the parking brake again</p>

*1 Low brake fluid level warning buzzer:

The warning buzzer sounds when the vehicle has reached a speed of 5 km/h (3 mph) or more while the warning light is on. If the buzzer sounds, the brake fluid may be low.

*2 Electric power steering system warning light (yellow):

If it does not turn off, or if it turns on repeatedly, have it inspected at your Toyota dealer.

*3 Hands-off warning buzzer:

The hands-off warning buzzer sounds when the driver continues not to operate the steering wheel for some time after the warning light comes on.

*: If equipped

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When trouble arises

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- *4 Driver's/front passenger's seat belt reminder warning buzzer:
If the vehicle speed becomes approx. 20 km/h (12 mph) or faster when the driver's/front passenger's seat belt is unfastened, the warning buzzer will sound intermittently for 30 seconds. Then, if the driver's/front passenger's seat belt is still unfastened, the buzzer will sound in a different tone for 90 seconds.
- *5 Passenger detection sensor for front passenger's seat belt reminder warning light:
If luggage is placed on the front passenger's seat, the front passenger detection sensor may cause the warning light to flash even if a passenger is not sitting in the seat.
If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.
- *6 Displayed in the center portion of the instrument panel.
- *7 Rear seat belt reminder warning light:
The rear seat belt reminder light comes on when the engine switch <power switch> is turned "ON" with the rear seat belt not fastened, or when the rear seat belt is unfastened.
The light turns off when the rear seat belt is fastened or approx. 60 seconds (approx. 30 seconds if the warning buzzer is sounding) after the vehicle is driven at the vehicle speed of approx. 20 km/h (12 mph) or faster.
The light also turns on when a rear door is opened and closed while the rear seat belt is unfastened at approx. 5 km/h (3 mph) or slower.
- *8 Rear seat belt reminder warning buzzer:
When any of the rear seat passengers unfasten their seat belt when the vehicle speed is approx. 20 km/h (12 mph) or faster, the buzzer will continue to sound for approx. 30 seconds. Once the warning buzzer starts sounding, it will continue to sound for approx. 30 seconds even the vehicle is traveling at approx. 20 km/h (12 mph) or slower.
The buzzer will stop when the rear seat belt is fastened or a rear door is opened and closed while the vehicle is traveling at approx. 5 km/h (3 mph) or slower.

■ When the tire pressure warning light comes on (vehicles with a tire pressure warning system)

Inspect the appearance of the tire to check that the tire is not punctured.

If the tire is punctured: → P. 549

If the tire is not punctured:

Carry out the following procedure after the tire temperature has lowered sufficiently.

- Check the tire inflation pressure and adjust to the appropriate level.

- If the warning light does not go out even after several minutes, check that the tire inflation pressure is at the specified level and carry out initialization.

The warning light may come on again if the above operations are conducted without first allowing the tire temperature to lower sufficiently.

■ The tire pressure warning light may come on due to natural causes (vehicles with a tire pressure warning system)

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature.

In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

■ When a tire is replaced with a spare tire (vehicles with a tire pressure warning system)

The spare tire is also equipped with a tire pressure warning valve and transmitter. The tire pressure warning light will turn on if the tire inflation pressure of the spare tire is low. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire has been replaced with the spare tire. Replace the spare tire with the repaired tire and adjust the tire inflation pressure. The tire pressure warning light will go off after a few minutes.

■ If the tire pressure warning system is not functioning*

The tire pressure warning system will be disabled in the following conditions: (When the condition becomes normal, the system will work properly.)

- If tires not equipped with tire pressure warning valves and transmitters are used

- If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer

- If the tire inflation pressure is higher than the specified tire air pressure.

The tire pressure warning system may be disabled in the following conditions: (When the condition becomes normal, the system will work properly.)

- If electronic devices or facilities using similar radio wave frequencies are nearby

*: If equipped

- If a radio set at a similar frequency is in use in the vehicle
- If a window tint that affects the radio wave signals is installed
- If there is a lot of snow or ice on the vehicle, particularly around the wheels or wheel housings
- If non-genuine Toyota wheels are used (Even if you use Toyota wheels, the tire pressure warning system may not work properly with some types of tires.)
- If tire chains are used
- If the spare tire is in a location subject to poor radio wave signal reception.
- If a large metallic object which can interfere with signal reception is put in the luggage room.

■ If the tire pressure warning light frequently comes on after blinking for 1 minute (vehicles with a tire pressure warning system)

If the tire pressure warning light frequently comes on after blinking for 1 minute when the engine switch <power switch> is turned on, have it checked by your Toyota dealer.

■ Voice recognition system*

In vehicles with a multimedia system, you can check the contents of some warning buzzers via voice using the voice recognition system. For details, refer to the instruction manual included with the multimedia system.

*: If equipped

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 the tire pressure warning light comes on (vehicles with a tire pressure warning system)

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If a tire is flat, change it with the spare tire and have the flat tire repaired by the nearest Toyota dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ If a blowout or sudden air leakage should occur (vehicles with a tire pressure warning system)

The tire pressure warning system may not activate immediately.

NOTICE

■ To ensure the tire pressure warning system* operates properly

Do not install tires with different specifications or makers, as the tire pressure warning system may not operate properly.

7

When trouble arises

*: If equipped

When warning messages are displayed

If the warning message appears on the TFT color multi-information display, be calm and take action as specified below.

If the message appears again after troubleshooting, contact your Toyota dealer.

Messages and warnings

Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Brake Fluid Low Stop in a Safe Place. Contact Your Dealer."	(!) (Red)	Low brake fluid level When the vehicle speeds exceeds approx. 5 km/h (3 mph), the warning buzzer will sound. → Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle is dangerous.
"Brake System Malfunction Stop in a Safe Place. Contact Your Dealer."	(!) (Red)	Malfunction in the brake system → Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle is dangerous.
"Charging System Malfunction Stop in a Safe Place. Contact Your Dealer."	!	Malfunction in the vehicle's charging system* → Immediately stop the vehicle in a safe place and contact your Toyota dealer.
"12-Volt Battery Charging System Malfunction Stop in a Safe Place See Owner's Manual"	—	Malfunction in the vehicle's charging system* The warning buzzer will sound. → Immediately stop the vehicle in a safe place and contact your Toyota dealer.
"12-Volt Battery Charging System Malfunction Visit Your Dealer"	—	Malfunction in the vehicle's charging system* → Have the vehicle inspected at your Toyota dealer immediately.

*: If equipped

7-2. Steps to take in an emergency

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Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Oil Pressure Low Stop in a Safe Place. Contact Your Dealer."		Abnormal engine oil pressure The warning buzzer will sound. → Immediately stop the vehicle in a safe place and contact your Toyota dealer.
"Engine Coolant Temp High Stop in a Safe Place. Contact Your Dealer."		Abnormally high temperature of engine coolant → Immediately stop the vehicle in a safe place and contact your Toyota dealer.
"Engine Control System Malfunction Visit Your Dealer"		Malfunction in the electronic engine control system Electronic control throttle error → Have the vehicle inspected at your Toyota dealer immediately.
"Transmission System Malfunction Visit Your Dealer"		Malfunction in the electronic automatic transmission control system* → Have the vehicle inspected at your Toyota dealer immediately.
"SRS Airbag Malfunction Visit Your Dealer"		Malfunction in the SRS airbag system Malfunction in the seat belt pretensioner & force limiter system → Have the vehicle inspected at your Toyota dealer immediately.
"Parking Brake Unavailable"	 	Inoperable due to malfunction in the parking brake → Have the vehicle inspected at your Toyota dealer immediately.
"Parking Brake Malfunction Visit Your Dealer"		Malfunction in the parking brake → Have the vehicle inspected at your Toyota dealer immediately.
"Braking Power Low Visit Your Dealer"		Malfunction in the electronically controlled brake system* → Have the vehicle inspected at your Toyota dealer immediately.

7

When trouble arises

*: If equipped

Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Brake Hold Malfunction Press Brake to Stop"		Malfunction in the brake hold system → Depress the brake pedal to stop the vehicle, and have the vehicle inspected at your Toyota dealer immediately.
"Brake Hold Malfunction Visit Your Dealer"		Malfunction in the brake hold system → Have the vehicle inspected at your Toyota dealer immediately.
"ABS System Malfunction Visit Your Dealer"		Malfunction in the ABS system → Have the vehicle inspected at your Toyota dealer immediately.
"Power Steering Malfunction Visit Your Dealer"		Malfunction in EPS (Electric Power Steering) system The warning buzzer will sound. → Have the vehicle inspected at your Toyota dealer immediately.
"Steering Performance is Reduced Steering Power Low"		Low battery voltage/Electric power steering overheating The warning buzzer will sound. → Steering wheel operation becomes heavy. Restrain from operating the steering wheel for a short while. When about 10 minutes has passed, it will return to its usual weight.
"Smart Entry & Start System Malfunction Visit Your Dealer"		Malfunction in the key-free system → Have the vehicle inspected at your Toyota dealer immediately.
"AHB Malfunction Visit Your Dealer"		Malfunction in the AHB system* → Have the vehicle inspected at your Toyota dealer.

*: If equipped

7-2. Steps to take in an emergency

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Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Front Camera Malfunction Visit Your Dealer"	 (Flashing) (Flashing) 	Malfunction of Toyota Safety Sense* → Have the vehicle inspected at your Toyota dealer.
"ACC Malfunction Visit Your Dealer"	 (Yellow)	Malfunction in the Adaptive Cruise Control* → Have the vehicle inspected at your Toyota dealer.
"Press Brake to Stop"	 (Yellow)	System error of the Adaptive Cruise Control during vehicle stop control* → Depress the brake pedal to stop the vehicle, and have the vehicle inspected at your Toyota dealer.
"LKC Malfunction Visit Your Dealer"	 (Yellow)	Malfunction in the LKC system* → Have the vehicle inspected at your Toyota dealer.
"Sonar Sensor Malfunction Visit Your Dealer"		Malfunction of corner sensors/reverse sensors* The warning buzzer will sound. → Have the vehicle inspected at your Toyota dealer.
"Sonar Sensor Function Stop"	—	Degraded corner sensor/reverse sensor functionality* The warning buzzer will sound. → Check if the sonar is not covered with rain, snow, ice, or dirt and remove those attached.
"Proximity Notification System Malfunction Visit Your Dealer"	—	Malfunction in the acoustic vehicle alerting system* The warning buzzer will sound. → Have the vehicle inspected at your Toyota dealer.

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When trouble arises

*: If equipped

Warning messages	Indicators/ Warning lights	Warning content/Action to take
"VSC System Malfunction Visit Your Dealer"	 (Lit)	Malfunction in the brake assist Malfunction in the VSC system Malfunction in the TRC system Malfunction in the hill-start assist control system → Have the vehicle inspected at your Toyota dealer.
"BSM Malfunction Visit Your Dealer"	 (Flashing)  (Flashing)	Malfunction of the BSM* → Have the vehicle inspected at your Toyota dealer.
"BSM Temporary Unavailable"	 (Flashing)  (Flashing)	Degraded BSM function* If you use the function in an extremely hot or cold environment or if the battery voltage is lower or higher than the specified level, the display is turned on. → When the above causes are resolved, the display will disappear. If the display persists for a long time, have the vehicle inspected at your Toyota dealer.
"BSM Radar Obstructed Temporary Unavailable"	 (Flashing)  (Flashing)	Dirty BSM radar* → Check if the bumper sensors are not covered with rain, snow, ice, or dirt and remove those attached.
"Check Vehicle Communication Visit Your Dealer"		Malfunction in the vehicle communication system → Have the vehicle inspected at your Toyota dealer.
"Brake Override System Malfunction Visit Your Dealer"	—	Malfunction in the Brake Override System → Have the vehicle inspected at your Toyota dealer.

*: If equipped

7-2. Steps to take in an emergency

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Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Drive-Start Control Malfunction Visit Your Dealer"	—	Malfunction in the Drive-Start Control* → Have the vehicle inspected at your Toyota dealer.
"Brake & Accelerator Pressed Simultaneously"	—	Brake Override System is activated → Release your foot from the accelerator pedal.
"Release Accelerator" "Shift is in N Release Accelerator Before Shifting"	—	Drive-Start Control is activated* → Immediately release your foot from the accelerator pedal The accelerator pedal has been depressed when the shift lever is in N.* → Release the accelerator pedal and shift the shift lever to D or R.
"Press Brake when Vehicle is Stopped Hybrid System may Overheat"	⚠	The accelerator pedal is depressed to hold the vehicle while the vehicle is stopped on an incline, etc.* → Release the accelerator pedal and depress the brake pedal.
"Shift to P Before Exiting Vehicle"	⚠	The driver's door is opened without turning the power switch to OFF with the shift lever in any position other than P.* → Shift the shift lever to P.
"TPWS Malfunction Visit Your Dealer"	⚠ * ₁	Malfunction in the tire pressure warning system* → Have the system checked by your Toyota dealer.
"Tire Pressure Low Check Tire"	⚠	Low tire inflation pressure such as natural causes (→ P. 527) or flat tire (→ P. 549)* → Adjust the tire inflation pressure (including the spare tire) to the specified level. → The light will turn off after a few minutes. In case the light does not turn off even if the tire inflation pressure is adjusted, have the system checked by your Toyota dealer.

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When trouble arises

*: If equipped

Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Hold Steering Wheel"		Driving with hands off* If the driver continues to keep his/her hands off from the steering wheel after the message appears, the warning buzzer will sound. → Operate the steering wheel holding it firmly.
"Open"	—	At least one of the doors, or the hood is not completely closed The open doors and/or hood will be displayed. The open door warning buzzer sounds when at least one of the doors or the hood of the vehicle is not completely closed and the vehicle's speed exceeds approx. 5 km/h (3 mph). → Close all doors and/or the hood
"Refuel"		Gasoline vehicles: Fuel level has become approx. 6.3 L (1.7 gal., 1.4 Imp.gal.) or lower Hybrid electric vehicles: Fuel level has become approx. 6.5 L (1.7 gal., 1.4 Imp.gal.) or lower → Refuel the vehicle
"Fasten Seat Belt"	 	Driver's seat belt is not fastened Front passenger's seat belt is not fastened* The warning buzzer will sound. It will be displayed when the vehicle speed exceeds approx. 20 km/h (12 mph). → Wear a seat belt
"Fasten Seat Belt"		Rear seat belt is not fastened* The warning buzzer will sound. It will be displayed when the vehicle speed exceeds approx. 20 km/h (12 mph) and the seat belt is unfastened. → Wear a seat belt

*: If equipped

7-2. Steps to take in an emergency

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Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Parking Brake Overheated Unavailable"	(P) (Flashing)	Overheating in the parking brake → Refrain from using the parking brake for a short while. When the temperature of the parking brake is lowered, it can be used.
"Release Parking Brake"	(P) (Lit)	The parking brake is not released If the vehicle speed exceeds approx. 5 km/h (3 mph) with the parking brake being applied, the warning buzzer will sound. → Release the parking brake
"Parking Brake Locked"	(P) (Lit)	The vehicle is driven with the parking brake not released The warning buzzer will sound when the specified vehicle speed is exceeded. → Release the parking brake
"Parking Brake cannot be released"	—	You tried to activate the auto release of the parking brake (→ P. 245) with the driver's door open → Close the driver's door before operation You tried to activate the auto release of the parking brake (→ P. 245) with the driver's seat belt not fastened → Fasten the driver's seat belt before operation
"Depress Brake Pedal for EPB release"	—	You tried to release the parking brake by operating the parking brake switch without depressing the brake pedal → Operate the switch while depressing the brake pedal
"Parking Brake Unavailable Try again"	(P) (Flashing)	The parking brake stopped working → When you tried to release the parking brake: Release the parking brake again When you tried to apply the parking brake: Apply the parking brake again

7

When trouble arises

Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Brake Hold Unavailable on Slope Press Brake"	—	The vehicle is stopped on a steep slope → Stop the vehicle by depressing the brake pedal all the way, and check the safety around you and move the vehicle forward
"Brake Hold Unavailable Driver Door Open"	—	The brake hold system switch was operated with the driver's door open → Close the driver's door before operating the switch
"Brake Hold Unavailable Seat Belt Unbuckled"	—	The brake hold system switch was operated without fastening the driver's seat belt → Fasten the driver's seat belt before operating the switch
"Press Brake and Switch to Deactivate"	—	The brake hold system switch was operated without depressing the brake pedal → Operate the switch while depressing the brake pedal
"Brake Hold System Overheated Brake Hold Unavailable"	—	Overheat in the brake hold system → Refrain from using the brake hold system for a short while. When the temperature of the brake is lowered, it can be used.
"Brake Hold Unavailable"	—	In order to protect the system, the brake hold system temporarily cannot be used → After a certain period of time, turn on the brake hold again.
"Brake Hold Deactivated"	—	In order to protect the system, the brake hold system temporarily cannot be used → After a certain period of time, turn on the brake hold again.
"Time Limit Press Brake to Keep Brake Hold"	—	The brake hold will end in a short time → To keep the brake hold, depress the brake pedal

7-2. Steps to take in an emergency

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Warning messages	Indicators/ Warning lights	Warning content/Action to take
"BRAKE PROCEED WITH CAUTION"	* ₂   (Flashing)	Pre-collision warning is activated* Pre-collision braking is activated* The alarm of the pedal misoperation control (front) is activated* The warning buzzer will sound. → Check the situation around you and drive accordingly such as stepping on the brake pedal
"BRAKE Stepping on the Accelerator"	* ₂   (Flashing)	Pedal misoperation control (front) is activated* The warning buzzer will sound. → Check the situation around you and drive accordingly such as stepping on the brake pedal
"Front Camera in Operation Vehicle Ahead Moving"	 (Flashing)	The front departure alert is activated* The warning buzzer will sound. → Check the safety around you and move the vehicle forward
"PROCEED WITH CAUTION"	—	The approach warning of the Adaptive Cruise Control is activated* The warning buzzer will sound. → Step on the brake pedal and keep an appropriate distance from other vehicles.
"LDW in Operation"	 (Flashing)	The Lane Departure Warning is activated* The warning buzzer will sound. → Check the safety around you and move the vehicle back into the car lane using the steering wheel
"Sonar Sensor in Operation Pay Attention"	—	Corner sensors/Reverse sensors* activated The activated sonar is displayed. The warning buzzer may sound. → Check the situation around you and drive accordingly such as stepping on the brake pedal

7

When trouble arises

*: If equipped

Warning messages	Indicators/ Warning lights	Warning content/Action to take
"VSC in Operation"	 (Flashing)	VSC is activated → Drive with extreme caution
"Turn Lights OFF"		The driver's door was opened while the front position lights are turned on The warning buzzer will sound. → Turn off the front position lights
"Steering Angle Left"	—	The steering wheel is moved to left or right while the vehicle is stopped → Check the tire direction and move the vehicle safety
"Steering Angle Right"	—	The steering wheel is moved to left or right while the vehicle is stopped → Check the tire direction and move the vehicle safety
"Roads may be Icy"	—	The outside temperature has become approx. 3°C (37°F) or below → Since the road could be frozen, check the road condition and drive with extreme caution
"Oil Deterioration Warning Oil Maintenance Required Soon"	—	The engine oil replacement is due soon → Have the vehicle inspected at your Toyota dealer.
"Oil Deterioration Warning Oil Maintenance Required Visit Your Dealer"	—	The engine oil is deteriorated → Have the vehicle inspected at your Toyota dealer immediately.
"Maintenance Required for Traction Battery Cooling Parts See Owner's Manual"	—	The hybrid battery (traction battery) air intake vent and filter are clogged → Clean the hybrid battery (traction battery) air intake vent and filter. (→ P. 490) If the warning message is shown even if the vent is cleaned, have the vehicle inspected by your Toyota dealer.
"Traction Battery Needs to be Protected Refrain from the Use of N Position"	—	This message may be displayed when the shift lever is in N. The hybrid battery (traction battery) cannot be charged when the shift lever is in N. → Shift the shift lever to P when the vehicle is stopped.

7-2. Steps to take in an emergency

541

Warning messages	Indicators/ Warning lights	Warning content/Action to take
"Traction Battery Needs to be Protected Shift into P to Restart"	—	<p>The hybrid battery (traction battery) charge has become extremely low because the shift lever has been left in N for a certain amount of time.</p> <p>→ When operating the vehicle, shift the shift lever to P and restart the hybrid system.</p>

*1 When the light comes on after blinking for 1 minute

*2 The warning light turns on at the activation of the primary brake or secondary brake of the pre-collision braking or the engine output suppression control/brake control of the pedal misoperation control (front).

7

When trouble arises

Hybrid system malfunction message (hybrid electric vehicles)

If the following hybrid system malfunction message appears, follow the instructions displayed by immediately stopping the vehicle in a safe place, and then either contact a Toyota dealer or have the vehicle inspected,etc. at your Toyota dealer.

Warning message (example)	Indicators/ Warning lights	Warning content
"Hybrid System Malfunction Hybrid System Stopped Stop in a Safe Place"		<ul style="list-style-type: none"> ● Battery malfunction ● Hybrid system malfunction ● Engine malfunction ● Accelerator malfunction ● Hybrid system stops ● Engine stops <p>The warning buzzer will sound.</p>

If the following hybrid system malfunction message appears, do not transport the vehicle by having it towed.

Warning message	Indicators/ Warning lights	Warning content/Action to take
"Hybrid System Malfunction Do Not Tow This Vehicle"		<p>Malfunction in the hybrid system</p> <p>The warning buzzer will sound.</p> <p>→ Do not transport the vehicle by having it towed and immediately contact your Toyota dealer.</p>

If the following hybrid battery (traction battery) message is displayed, have the vehicle inspected at your Toyota dealer immediately. If the hybrid system does not start, contact your Toyota dealer immediately.

Warning message	Indicators/ Warning lights	Action to take
"Maintenance Required For Traction Battery At Your Dealer"	—	<p>The hybrid battery (traction battery) is scheduled to be inspected or replaced</p> <p>→ Have the vehicle inspected at your Toyota dealer immediately.</p> <p>Continuing to drive the vehicle without having the hybrid battery (traction battery) inspected will cause the hybrid system not to start.</p>

■ Warning messages

The displayed warning message in this document may be different from the actual display depending on the use conditions or vehicle specifications.

■ Warning message display

- By pressing the ENTER switch (vehicles with TFT color multi-information display [4.2 inches]) or RETURN switch (vehicles with TFT color multi-information display [7 inches]) when the engine switch <power switch> is "ON", the warning message will disappear.
- Even when you hide the warning message by pressing the ENTER switch (vehicles with TFT color multi-information display [4.2 inches]) or RETURN switch (vehicles with TFT color multi-information display [7 inches]), the following warning messages will appear in a few seconds.
 - Low brake fluid
 - Brake system malfunction
 - Charging system malfunction
 - Low engine oil pressure
 - High temperature of engine coolant

■ When the "Open" warning message is displayed

To avoid battery <12-volt battery> discharge, the message will automatically disappear after approx. 10 minutes with the door open when the engine switch <power switch> is "ACC" or "OFF".

■ Lane Departure Warning*

In the following cases, the warning message may not appear even the vehicle deviates from the car lane.

- Driving at a speed that does not meet the activation condition
- White (yellow) lines become unrecognizable while driving

Besides these, there are other situations where the system will not be activated normally (→ P. 313)

■ Voice recognition system*

→ P. 528

7

When trouble arises

*: If equipped

Situations requiring immediate action

Take action according to each troubleshooting method and check to see if the key-free system's warning message turns off.

Internal warning buzzer	External warning buzzer	Warning messages	Warning content/Action to take
—	—	"Key NOT Detected"	You tried to start the engine <hybrid system> without the electronic key on hand → Keep the electronic key with you*1
5 times	3 times	"Key NOT Detected"	When the engine switch <power switch> was "ACC" or "ON", any of the doors were opened, and the electronic key was taken outside the vehicle, and then the door was closed • The warning buzzer will sound. → Keep the electronic key with you and get in the vehicle
—	1 time	"Key Detected in Vehicle"	With the electronic key left inside the vehicle, someone tried to lock the doors using the lock/unlock switch on the front door or back door → Take the electronic key from the vehicle and lock it again
—	1 time	"Key Detected in Vehicle"	When the engine switch <power switch> was "OFF" and the electronic key was left inside the vehicle, the door was opened and closed while the driver's door were locked and any of the inside lock buttons except the driver's door were set to the unlocked side → Keep the electronic key with you and lock the doors

7-2. Steps to take in an emergency

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Internal warning buzzer	External warning buzzer	Warning messages	Warning content/Action to take
—	1 time	"Key Detected in Vehicle"	<p>When the engine switch <power switch> was "OFF" and the electronic key was left inside the vehicle, you opened the driver's door and then tried to close and lock the door with the door handle pulled while the inside lock button was set to the locked side</p> <p>→ Take the electronic key from the vehicle and lock it again</p>
—	—	"Press Brake Pedal and Touch Engine Switch <Power Switch> with Key"	<p>You tried to start the engine <hybrid system> 2 times without the electronic key on hand</p> <p>→ Keep the electronic key with you*1</p>
—	—	"Auto Power OFF to Conserve Battery"	<p>The engine switch <power switch> turned "OFF" automatically</p> <ul style="list-style-type: none"> • It will be displayed after 1 hour or more when the engine switch <power switch> is "ACC". When it is "ON", it will be displayed after 20 minutes or more. <p>→ Gasoline vehicles: Set the engine speed to a slightly higher level when you start the engine next time, and keep the same speed for approx. 5 minutes and charge the battery Hybrid electric vehicles: Next time when starting the hybrid system, operate the hybrid system for approximately 5 minutes to recharge the 12-volt battery</p>

7

When trouble arises

Internal warning buzzer	External warning buzzer	Warning messages	Warning content/Action to take
3 times	—	"Key Battery Low Replace Key Battery"	The engine switch <power switch> was turned "OFF" when the electronic key battery was close to its end of life* ² <ul style="list-style-type: none"> • The warning buzzer will sound. → Replace it with a new battery (→ P. 498)
—	—	"Press Engine SW While Turning Steering Right and Left"	Unable to unlock the steering wheel by pressing the engine switch* → Step on the brake pedal and press the engine switch while turning the steering wheel right and left
—	—	"Shift to P and Turn Power OFF"	You tried to turn "OFF" the engine switch <power switch> while the shift lever is placed in a position other than P* → Set the shift lever to P
—	1 time	"Turn Power OFF"	When the engine switch <power switch> was "ACC" or "ON", someone tried to lock the doors using the lock/unlock switch on the front door or back door → Turn the engine switch <power switch> to "OFF" and lock the doors

*¹ If the engine <hybrid system> does not start even when the electronic key is placed inside the vehicle, it is possible that the key is running out of battery.
(→ P. 498)

*² If the low battery state continues, the message also appears even when the engine switch <power switch> is turned to "ACC" or "ON".

■ Warning messages

→ P. 543

■ Warning message display

→ P. 543

■ Warning buzzers

Depending on the situation, you may have difficulty hearing the buzzer because of the noise outside or audio sound.

*: If equipped

When the function off codes are displayed (vehicles with Toyota Safety Sense)

When the Toyota Safety Sense function stops, the function off code will appear on the display and the Toyota Safety Sense OFF indicator light and the Lane Departure Warning OFF indicator will light up. If that happens, take the following actions.

It is also possible to display the function stop messages. (→ P. 116)

List of function off codes

Function off code	Message	Warning content/Action to take
2E	"Brake System Overheated ACC Unavailable" "Brake System Overheated LKC Unavailable"	The brake pad has become hot* → When the cause of the trouble has been resolved, the function will be restored by turning the engine switch <power switch> "ON"
10E	"Camera Low Visibility ACC Unavailable" "Camera Low Visibility LKC Unavailable"	ACC or LKC no longer satisfies the activation conditions due to poor visibility* → When the cause of the trouble has been resolved, the function will be restored
11E	"Camera Low Visibility Front Camera Unavailable" "Camera Low Visibility ACC Unavailable" "Camera Low Visibility LKC Unavailable"	The stereo camera is unable to recognize the front area due to poor visibility → When the cause of the trouble has been resolved, the function will be restored
12E	"Camera Overheated Front Camera Unavailable" "Camera Overheated ACC Unavailable" "Camera Overheated LKC Unavailable"	The stereo camera (on the vehicle's front side) has become hot → When the cause of the trouble has been resolved, the function will be restored

7

When trouble arises

*: If equipped

Function off code	Message	Warning content/Action to take
14E	"Steering Sensor Adjusting Front Camera Unavailable" "Steering Sensor Adjusting ACC Unavailable" "Steering Sensor Adjusting LKC Unavailable"	Initial learning of Toyota Safety Sense is in progress → The function will be restored after traveling for a while

■ Function off codes

- If the function off code remains displayed even after troubleshooting, it may indicate a malfunction of the systems.
It does not affect normal driving, but you should have the vehicle inspected at your Toyota dealer.
- "10E" or "11E" will be displayed when the shift lever is placed in a position other than R.
- Some of the stop codes are not displayed depending on the availability of the equipment by grades, options, and so on.

If you have a flat tire

Replace the flat tire with the supplied spare tire.
(See P. 477 for more information about tires)

⚠ WARNING

■ If you have a flat tire

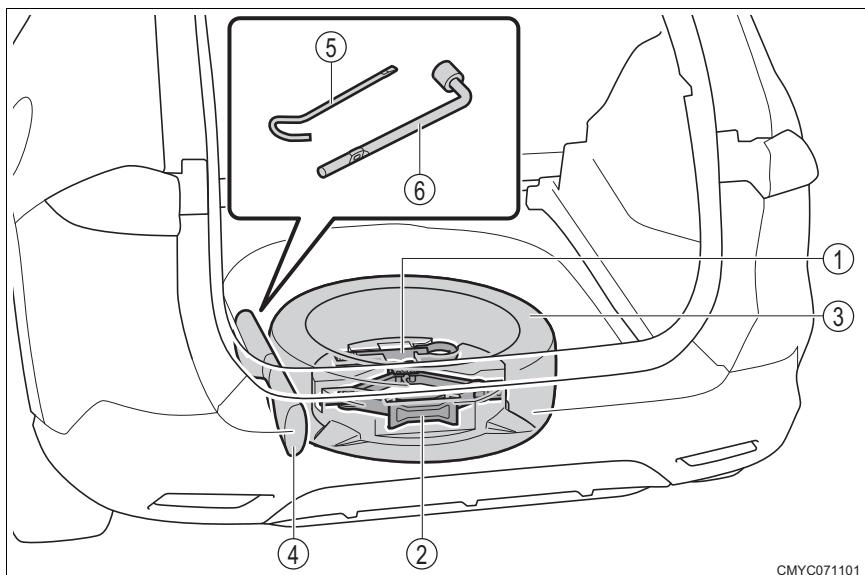
Do not drive with a flat tire.

Even over short distances, the tires and wheels can be irreparably damaged or cause an accident.

Before lifting the vehicle with a jack

- Move the vehicle to a hard, flat, safe location
- Set the parking brake
- Shift the shift lever to P (continuously variable transmission or hybrid transmission) or R (manual transmission).
- Stop the engine <hybrid system>
- Turn the emergency flashers on
- For vehicles with power back door: Turn off the power back door system.
(→ P. 127)

Tools and jack position



① Towing eyelet

② Jack

③ Spare tire

④ Tool bag

⑤ Jack handle

⑥ Wheel nut wrench

⚠ WARNING

■ Using the jack

Observe the following precautions.

Improper use of the jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

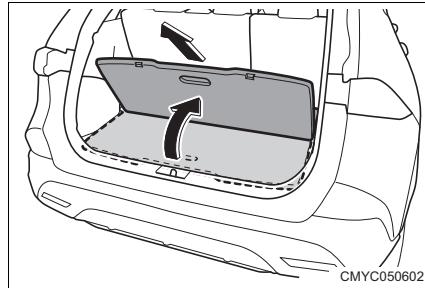
- Do not use the jack for any purpose other than replacing tires or installing and removing tire chains
- The jack provided can be used only for this vehicle. Do not use it on other vehicles, and do not use other jacks for replacing tires on this vehicle
- The jack should be properly hooked to the jack setting position (between 2 notches)
- Do not put any part of your body under the vehicle while it is supported by the jack
- Do not start the engine <hybrid system> or drive the vehicle while the vehicle is supported by the jack
- Do not raise the vehicle while someone is inside

⚠ WARNING

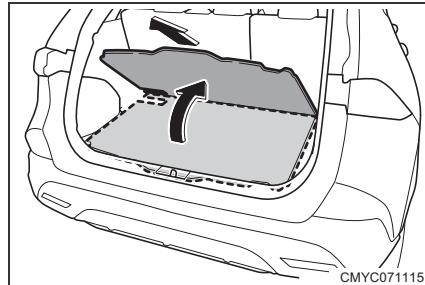
- When raising the vehicle, do not put an object on or under the jack
- Do not raise the vehicle to a height greater than that required to replace the tire
- Use a jack stand if it is necessary to get under the vehicle
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering

Procedure to take out the spare tire

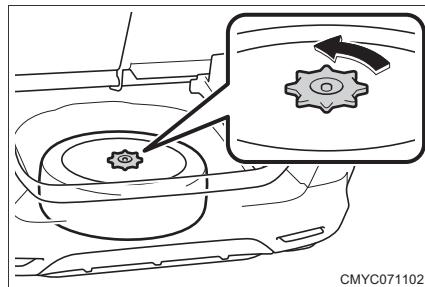
- 1 Lift up the deck board and pull it towards you to remove it



- 2 Lift up the floor cover and pull it towards you to remove it

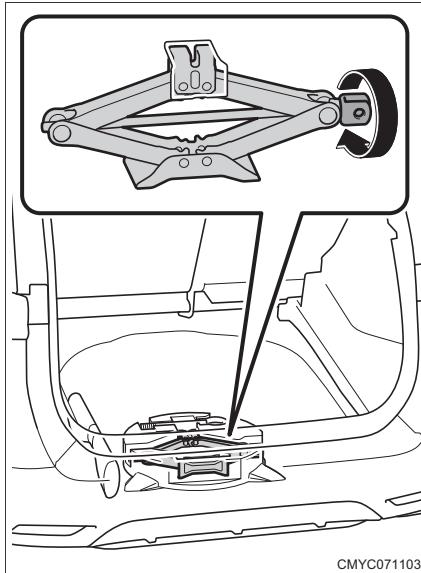


- 3 Remove the nut and take out the spare tire

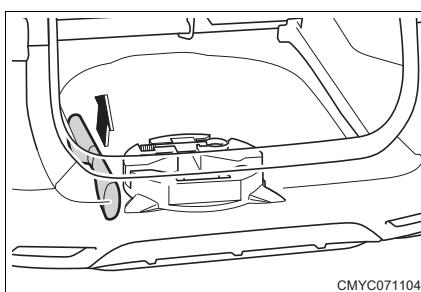


Procedure to take out jack and tools

- 1 Loosen and remove the jack



- 2 Take out the tool bag



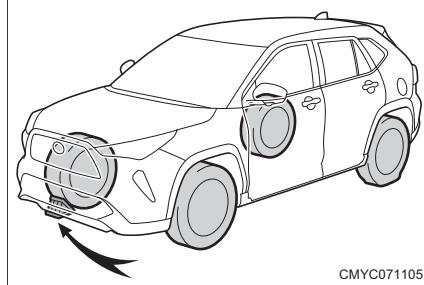
WARNING

■ Storing the spare tire

Be careful not to get your fingers or other parts of your body caught between the vehicle body and the spare tire.

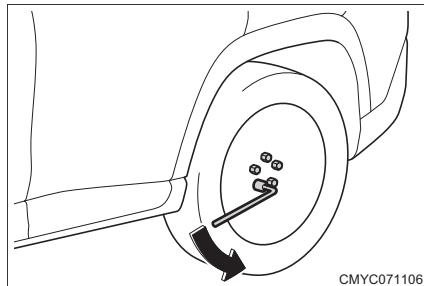
Replacing flat tires

- 1** Place wheel chocks on the wheels

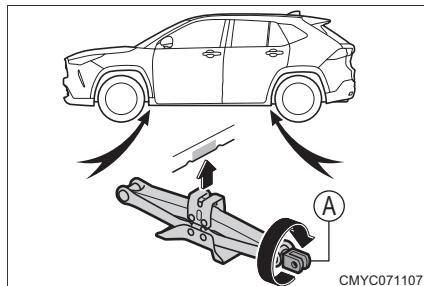


Tire to be replaced	Wheel chocks position	
Front wheels	Left side	Behind right rear wheel
	Right side	Behind left rear wheel
Rear wheels	Left side	In front of right front wheel
	Right side	In front of left front wheel

- 2** Slightly loosen the nut (about 1 turn)

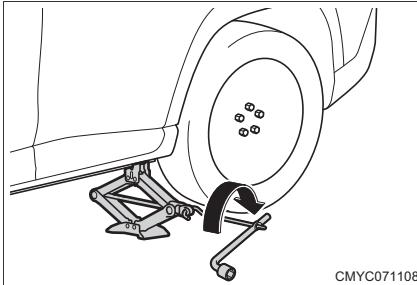


- 3** Turn part A of the jack by hand and hook the jack groove firmly to the jack set position (between 2 notches)



4 Raise the vehicle until the tires are slightly off the ground

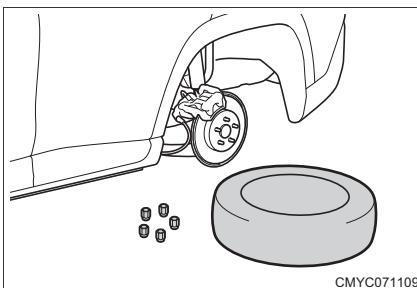
Use the jack handle together with the wheel nut wrench, as shown in the illustration.



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5 Remove all nuts and remove the tire

When placing the tire directly on the ground, make sure the wheel surface faces up to avoid scratching it.



CMYC071109

WARNING

■Replacing a flat tire

- Observe the following precautions.

Failure to do so may result in serious injury:

- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven.

After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc., may result in burns.

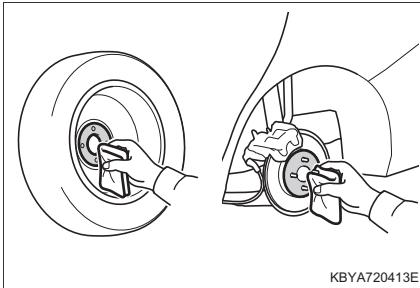
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.

- Have the wheel nuts tightened with a torque wrench to 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 them with the tapered ends facing inward. (→ P. 487)

Installing the spare tire

- 1** Remove any dirt or foreign matter from the wheel contact surface

If the wheel contact surface is dirty, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off.

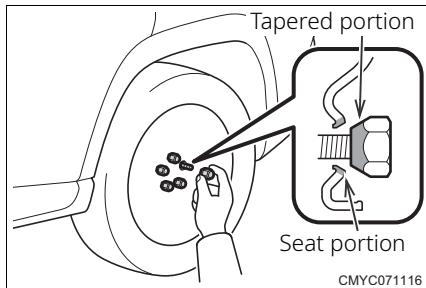


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- 2** Install the spare tire and loosely tighten each wheel nut by hand to the extent that the tire does not rattle

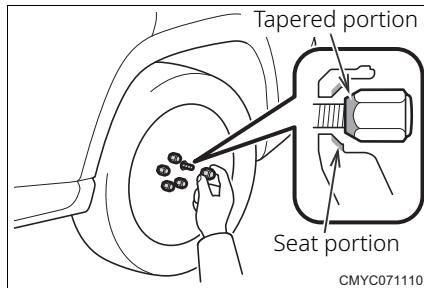
Tighten the wheel nuts until the tapered portion comes into loose contact with the wheel seat

► Vehicles with steel wheels



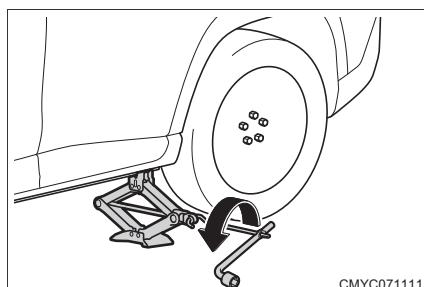
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► Vehicles with aluminum wheels



CMYC071110

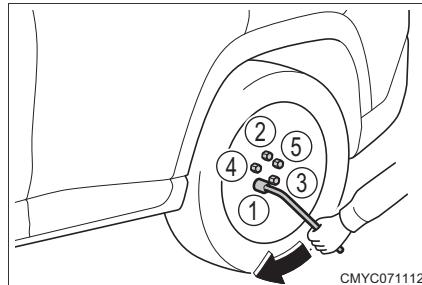
- 3** Lower the vehicle body



CMYC071111

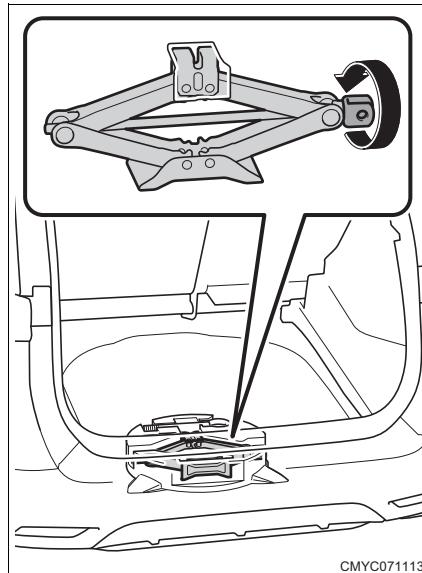
- 4** Tighten the nuts firmly 2 or 3 times in the order shown in the illustration

Tightening torque: 103 N·m (10.5 kgf·m, 76 ft·lbf)

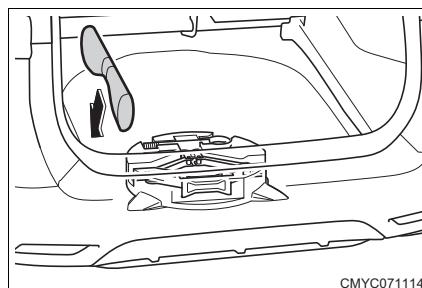


Stowing the jack and tools

- 1** Turn the joint until the arm is brought into contact with the bracket.



- 2** Fix the tool bag between the floor and spare tire as shown in the figure



- 3** Stow the flat tire, tire jack and all tools.

■ Spare tires

Make sure to check the tire pressure. (→ P. 585)

■ The spare tire of a different tire size from the installed tires

Use the spare tire temporarily, and only in an emergency.

■ When the spare tire is equipped (vehicles with a spare tire of a different size from the installed tires)

The vehicle becomes lower when driving with the spare tire compared to when driving with standard tires.

■ If you have a flat front wheel (vehicles with a spare tire of a different size from the installed tires)

- 1 Replace the rear wheel with the spare tire
- 2 Replace the flat front wheel with the removed rear wheel

WARNING

■ When using the spare tire of a different tire size from the installed tires

- Do not use more than one 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 spare tire is attached

The vehicle speed may not be correctly detected, and the following systems may not operate correctly.

- | | |
|--|--|
| <ul style="list-style-type: none"> ● ABS ● Brake assist ● EPS | <ul style="list-style-type: none"> ● VSC ● TRC ● Toyota Safety Sense* |
|--|--|

■ Speed limit when using the spare tire

Do not drive at speeds in excess of 80 km/h (50 mph) when the spare tire is installed on the vehicle.

The 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.

■ Storing the spare tire

Be careful not to get your fingers or other parts of your body caught between the vehicle body and the spare tire.

■ 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 sudden braking, sudden swerving or an accident.

7

When trouble arises

*: If equipped

 NOTICE

Be careful when driving over bumps with the spare tire installed on the vehicle (vehicles with a spare tire of a different size from the installed tires)
The vehicle becomes lower when driving with the spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

If the engine does not start (gasoline vehicles)

If the engine does not start even though correct starting procedures are being followed (→ P. 218), consider each of the following points:

The engine does not start even though the starter motor operates normally

One of the following may be the cause of the problem:

- There may not be sufficient fuel in the vehicle's tank.
Refuel the vehicle.
- The engine may be flooded.
Try to restart the engine again following correct starting procedures (→ P. 218).
- There may be a malfunction in the immobilizer system. (→ P. 80)

The starter motor runs slowly, the interior light and headlights are dim, or the horn does not sound or sounds at a low volume

One of the following may be the cause of the problem:

- The battery may be discharged. (→ P. 563)
- The battery terminal connections may be loose or corroded.

If the starter does not operate

- There may be an issue in the electrical system, such as a disconnected electrical component or blown fuse. Depending on the cause, you may be able to start the engine using temporary measures. (→ P. 561)
- There may be a malfunction in the steering wheel lock system*.

The starter motor does not run, the interior light and headlights do not turn on, or the horn does not sound

One of the following may be the cause of the problem:

- There may be a disconnected battery terminal.
- The battery may be discharged. (→ P. 563)

Contact your Toyota dealer if the procedures are not clear, or if the engine does not start even after the measures have been taken.

*: If equipped

If the hybrid system does not start (hybrid electric vehicles)

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. 223)

One of the following may be the cause of the problem:

- The electronic key may not be functioning properly. (→ P. 561)
- There may not be sufficient fuel in the vehicle's tank. Refuel the vehicle.
- There may be a malfunction in the immobilizer system. (→ P. 80)
- 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. 561)
- The temperature of the hybrid battery (traction battery) may be extremely low (below approximately -30°C [-22°F]). (→ P. 75)

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. 563)
- The 12-volt battery terminal connections may be loose or corroded. (→ P. 472)

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. 563)
- One or both of the 12-volt battery terminals may be disconnected. (→ P. 472)

Contact your Toyota dealer if the problem cannot be repaired, or if repair procedures are unknown.

If the electronic key does not work properly

The key-free system and wireless remote control cannot be used when communication between the electronic key and vehicle is blocked (→ P. 147) or when the electronic key battery is dead. In such cases, you can open the doors or start the engine <hybrid system> by following the steps below.

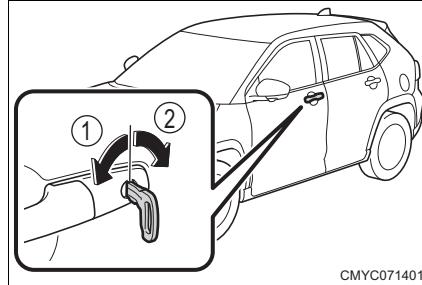
Locking and unlocking the doors

Using the emergency key (→ P. 140), you can:

- ① Lock the doors
- ② Unlock the doors

If set, the alarm will sound. (→ P. 81)

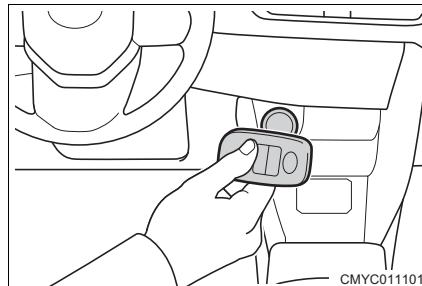
When you lock or unlock the driver's door, the other door(s) will not automatically be locked or unlocked.



Starting the engine <hybrid system>

- ① Continuously variable transmission vehicles or hybrid transmission vehicles: Step on the brake pedal with the shift lever placed in P
Manual transmission vehicles: Step on the clutch pedal with the shift lever placed in N

- ② Touch the electronic key to the engine switch <power switch>, as shown in the illustration
 - The indicator of the engine switch <power switch> lights up in green.
 - The alarm will shut off. (→ P. 81)



- ③ Press the engine switch <power switch>

If you are still unable to start the engine <hybrid system> after following the above steps, contact your Toyota dealer.

■ Stopping the engine <hybrid system>

As you usually would when stopping the engine <hybrid system> set the shift lever to P for continuously variable transmission vehicles or hybrid transmission vehicles, and set it to N for manual transmission vehicles, then press the engine switch <power switch>.

■ Replacing the battery

The method to start the engine <hybrid system> described here is a temporary workaround. We recommend that you replace dead batteries immediately. (→ P. 498)

■ Changing the engine switch <power switch> mode

In step ③ of "Starting the engine <hybrid system>", if you press the engine switch <power switch> by releasing your foot from the clutch pedal for manual transmission vehicles and from the brake pedal for continuously variable transmission vehicles or hybrid transmission vehicles, the engine <hybrid system> will not start. Instead, the mode changes each time you press the switch. (→ P. 219)

■ If the electronic key does not work properly

Check whether the electronic key is set to battery-saving mode. If the mode is set, cancel it. (→ P. 147)

If the vehicle battery <12-volt battery> is discharged

If the battery <12-volt battery> is discharged, you can start the engine <hybrid system> by following the steps below.

You can also call your Toyota dealer or a qualified repair shop.

If you have a booster cable and a second vehicle with a 12-volt battery, you can start your vehicle by following the steps below.

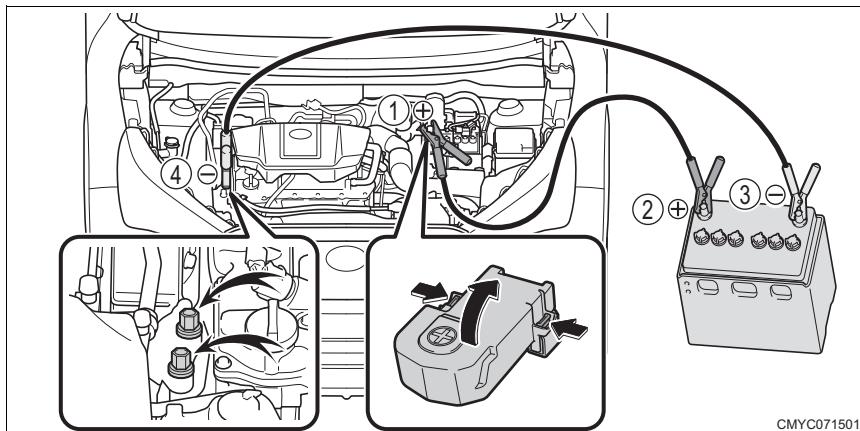
► Gasoline vehicles

- 1 Confirm that the electronic key is being carried.
When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked.



- 2 Open the hood. (→ P. 460)
- 3 Open the cover of the positive (+) battery terminal
Hold down the claws and open it.
- 4 Connect the jumper cables according to the following procedure:
 - ① Connect a positive jumper cable clamp to the positive (+) battery terminal on your vehicle.
 - ② Connect the clamp on the other end of the positive cable to the positive (+) battery terminal on the second vehicle.
 - ③ Connect a negative cable clamp to the negative (-) battery terminal on the second vehicle.
 - ④ Connect the clamp at the other end of the negative cable to a solid, stationary, unpainted metallic point away from the battery and any moving parts, as shown in the illustration.

Use jumper cables that can reach the specified terminals and connecting point.

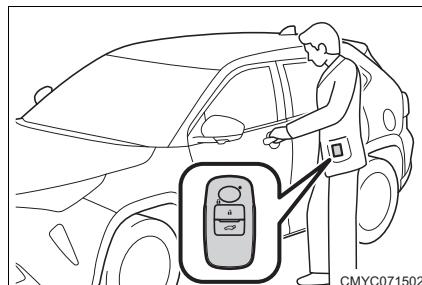


- 5** Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.
- 6** Maintain the engine speed of the second vehicle and turn the engine switch to "ON".
- 7** Once the vehicle's engine has started, remove the jumper cables in the exact reverse order from which they were connected.
- 8** Close the cover of the positive (+) battery terminal

Even if you are able to start the engine, have the vehicle inspected at your Toyota dealer as soon as possible.

► Hybrid electric vehicles

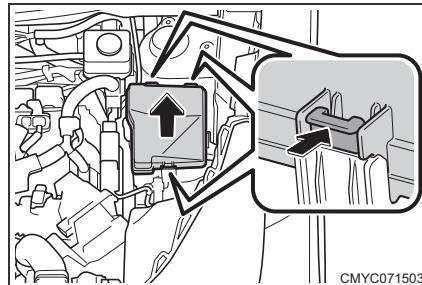
- 1** Confirm that the electronic key is being carried.
When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked.



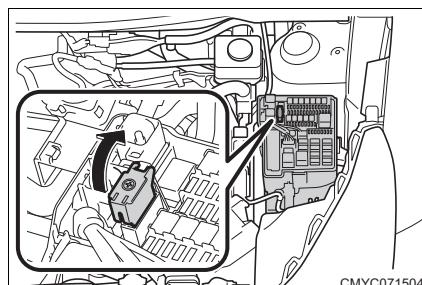
7-2. Steps to take in an emergency

565

- 2** Open the hood (→ P. 460) and fuse box cover.



- 3** Open the exclusive jump starting terminal cover.



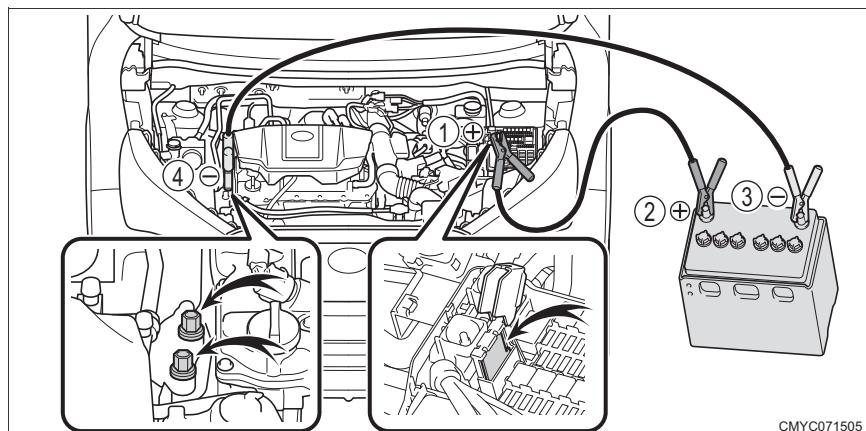
- 4** Connect the jumper cables according to the following procedure:

- ① Connect a positive jumper cable clamp to the exclusive jump starting 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 exclusive jump starting terminal and any moving parts, as shown in the illustration.

Use jumper cables that can reach the specified terminals and connecting point.

7

When trouble arises



- 5** Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the 12-volt battery of your vehicle.
- 6** Open and close any of the doors of your vehicle with the power switch OFF.
- 7** Maintain the engine speed of the second vehicle and turn the power switch to "ON".
- 8** Make sure the "READY" indicator comes on. If the indicator does not come on, contact your Toyota dealer.
- 9** Once the hybrid system has started, remove the jumper cables in the exact reverse order from which they were connected.
- 10** Close the exclusive jump starting terminal cover and install the fuse box cover to its original position.

Once the hybrid system starts, have the vehicle inspected at your Toyota dealer as soon as possible.

■ Starting the engine <hybrid system> when the battery <12-volt battery> is discharged

For this vehicle, the engine <hybrid system> cannot be started by push-starting.

■ If the vehicle battery <12-volt battery> is discharged

The data stored in the computer will be erased. If your vehicle's battery <12-volt battery> discharges, have the vehicle inspected at your Toyota dealer.

■ Charging the battery <12-volt battery>

The electricity stored in the battery <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 battery <12-volt battery> may discharge, and the engine <hybrid system> may be unable to start. (The battery <12-volt battery> recharges automatically during driving)

■ When your battery <12-volt battery> is discharged/removed

- You may not be able to unlock the vehicle doors using the key-free system immediately after battery <12-volt battery> discharge. In such cases, lock and unlock the doors using the wireless remote control or emergency key.
- The vehicle engine <hybrid system> may not start on the first try after battery <12-volt battery> discharge. This is to be expected, and the engine <hybrid system> will start properly on the second try onward.
- The vehicle consistently keeps track of its engine switch <power switch> mode. Even after a discharged battery <12-volt battery> is removed, the engine <hybrid system> mode returns to the state before removing the battery <12-volt battery>. Please remove the battery <12-volt battery> after turning the engine switch <power switch> "OFF".
If you are not sure of the engine switch <power switch> mode prior to battery <12-volt battery> discharge, be especially careful when connecting the battery <12-volt battery>.

WARNING

■ Avoiding battery <12-volt battery> fires or explosions

Observe the following precautions to prevent the fire and sparks to be generated as these may ignite the flammable gas emitted from the battery <12-volt battery> of the second vehicle and cause an explosion:

- 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 battery <12-volt battery>
- Do not use or charge the battery <12-volt battery> when the battery level is lower than the LOWER LEVEL displayed on the side of the battery <12-volt battery>

■ Battery <12-volt battery> precautions

The battery <12-volt battery> contains poisonous and corrosive acid electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery <12-volt battery>:

- When working with the battery <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
- Keep your face and head away from the battery <12-volt battery> as much as possible
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with plenty of water and seek medical attention
Place a wet sponge or cloth over the affected area until medical attention can be received
- If you accidentally swallow electrolyte
Drink a large quantity of water or milk. Get emergency medical attention immediately.
- Always wash your hands after handling the battery <12-volt battery> and other peripheral components
- Do not allow children near the battery <12-volt battery>

WARNING

■ **After taking action on 12-volt battery discharge (hybrid electric vehicles)**

Have the 12-volt battery inspected at your Toyota dealer at your earliest convenience.

When the 12-volt battery is deteriorated, continued use may produce an offensive gas from the 12-volt battery, causing a health hazard to the occupants.

■ **After removing the battery <12-volt battery> fixing bracket and the battery terminal nut**

Tighten them securely. If the nuts loosen while driving, it may cause a short circuit and result in a fire.

■ **To prevent damage to the vehicle**

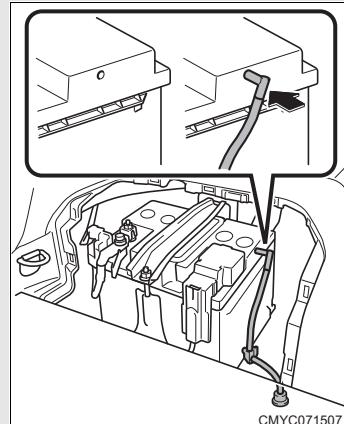
Do not start the vehicle by pushing or pulling it.

The catalytic converter may overheat and cause a fire.

■ **When replacing the 12-volt battery (hybrid electric vehicles)**

- For information regarding 12-volt battery replacement, contact your Toyota dealer.

- After replacing, securely attach the exhaust hose and exhaust hole plug to the exhaust hole of the replaced 12-volt battery. If not properly installed, gases (hydrogen) may leak into the vehicle interior, and there is the possible danger of the gas igniting and exploding.



NOTICE**To prevent battery <12-volt battery> discharge**

- Turn off the lights and air conditioning system when the engine <hybrid system> is not running.
- If you stop for a long time due to a traffic jam or other situations, turn off unnecessary electrical components.

When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fans or engine drive belt.

When connecting jumper cables

Make sure to connect jumper cables to the specified terminals and connecting point. Failure to do so may adversely affect the electronic devices or damage to them.

Rescue terminal (hybrid electric vehicles)

The rescue terminal in the hybrid electric vehicles is provided to charge the 12-volt battery temporarily from another vehicle. This rescue terminal cannot be used to rescue the battery discharge in other vehicles.

If your vehicle overheats

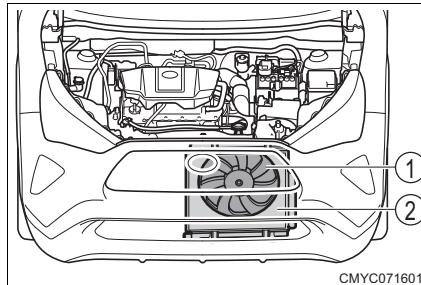
The following may indicate that your vehicle is overheating:

- High coolant temperature warning light (→ P. 522) is flashing or lit in red
- "Engine Coolant Temp High" or "Hybrid System Overheated Output Power Reduced" warning message (→ P. 531) is displayed
- A loss of engine power <hybrid system output> is experienced (the vehicle cannot reach higher speeds, etc.)
- Steam comes out from the engine compartment

Measures to take

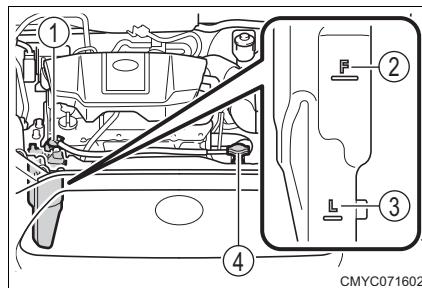
If the high coolant temperature warning light is flashing or lit, or when the TFT color multi-information display shows the warning message of "Engine Coolant Temp High"

- 1 Stop the vehicle in a safe place and turn OFF the air conditioning system, and then stop the engine <hybrid system>
- 2 If you see steam:
After making sure that the steam has stopped, carefully lift the hood
If you do not see steam:
Carefully lift the hood
- 3 After the engine has cooled down sufficiently, inspect the hoses and radiator core (radiating part) for any leaks
 - ① Cooling fan
 - ② Radiator
 If a large amount of coolant has leaked, immediately contact your Toyota dealer.



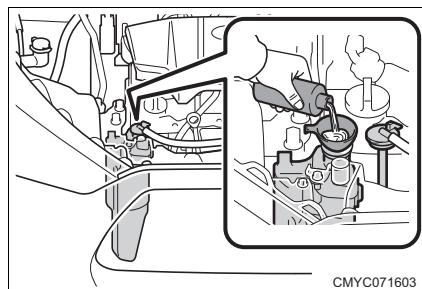
- 4** Check that the amount of coolant in the reservoir tank is between "F" (upper limit) and "L" (lower limit)

- ① Reservoir tank
- ② "F" (upper limit)
- ③ "L" (lower limit)
- ④ Radiator cap



- 5** Add coolant if necessary

Water can be used in an emergency if coolant is unavailable.



- 6** Start the engine <hybrid system> and turn the air conditioning system on to check that the radiator cooling fan operates and to check again for coolant leaks from the radiator core or hoses

The fan operates when the air conditioning system is turned on immediately after a cold start. Confirm that the fan is operating by checking the fan sound and air flow. If it is difficult to check them, turn the air conditioning system ON and OFF repeatedly.

(The fan may not operate in freezing temperatures)

- 7** If the fan is not operating:

Stop the engine <hybrid system> immediately and contact your Toyota dealer

If the fan is operating:

Have the vehicle inspected at the nearest Toyota dealer

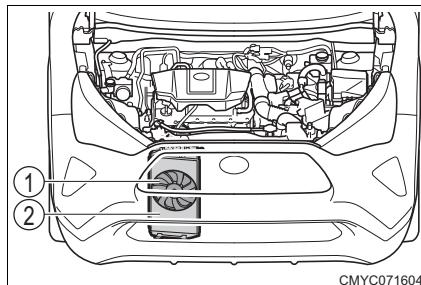
■ If the TFT color multi-information display shows the "Hybrid System Overheated Output Power Reduced" warning message (hybrid electric vehicles)

- 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 Cooling fan
- ② Radiator

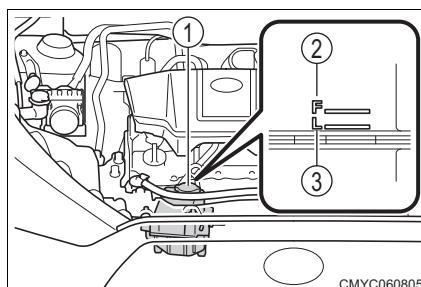
If a large amount of coolant leaks, immediately contact your Toyota dealer.



CMYC071604

4 The coolant level is satisfactory if it is between the "F" or "L" lines on the reservoir.

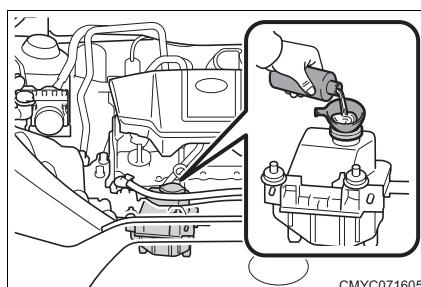
- ① Reservoir
- ② "F" line
- ③ "L" line



CMYC060805

5 Add coolant if necessary.

If water was added in an emergency, have the vehicle inspected at your Toyota dealer as soon as possible.



CMYC071605

6 After stopping the hybrid system and waiting for 5 minutes or more, start the hybrid system again and check for the multiinformation 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

■ Before taking measures

Do not remove the radiator cap if the coolant is hot. The radiator cap is under the pressure of the coolant. Therefore, steam or hot water may spurt out of it, causing serious injury such as burns.

■ 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.
- Gasoline vehicles: Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fan and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.
- Hybrid electric vehicles: After the hybrid system has been turned off, check that the "READY" indicator is off. When the hybrid system is operating, the gasoline engine may automatically start, or the cooling fan may suddenly operate even if the gasoline engine stops. Do not touch or approach rotating parts such as the fan, which may lead to fingers or clothing (especially a tie, a scarf or a muffler) getting caught, resulting in serious injury.
- Do not loosen the radiator cap and the coolant reservoir cap while the engine <hybrid system> and radiator are hot. High temperature steam or coolant could spray out.

NOTICE

■ When adding engine coolant (gasoline vehicles)

Add coolant slowly after the engine has cooled down sufficiently. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

■ When adding engine/power control unit coolant (hybrid electric vehicles)

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 has become stuck

Carry out the following procedures if the tires spin or the vehicle has become stuck in mud, sand or snow:

- 1 Make sure that the parking brake is applied. For continuously variable transmission vehicles or hybrid transmission vehicles, set the shift lever to P, and for the manual transmission vehicles, set it to N, then stop the engine <hybrid system>
For continuously variable transmission vehicles or hybrid transmission vehicles, do not press the shift lever button after setting the shift lever in P.
- 2 Remove the dirt and snow from around the wheels
- 3 Place wood, stones or some other material under the rear wheels to help provide traction
- 4 Restart the engine <hybrid system>
- 5 For continuously variable transmission vehicles or hybrid transmission vehicles, set the shift lever to D or R. For the manual transmission vehicles, make sure to set the gear to 1 or R. Then, step on the accelerator pedal while exercising caution

If VSC/TRC is making it difficult to extricate the vehicle, turn off TRC or VSC/TRC.
(→ P. 379)

! WARNING

■ When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people.

The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

■ When shifting the shift lever (continuously variable transmission vehicles or hybrid transmission vehicles)

Be careful not to shift the shift lever with the accelerator pedal depressed.

This may lead to unexpected rapid acceleration of the vehicle that may cause an accident resulting in death or serious injury.

■ To avoid damage to the transmission and other components

- Avoid spinning the front wheels and depressing the accelerator pedal more than necessary to race the engine. The transmission or other parts may be damaged, which may lead to an accident.

- Do not spin the wheels at high speed. The tires may rupture or overheat, which may lead to an accident.

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7-2. Steps to take in an emergency

⚠ NOTICE

If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

Vehicle information**8****8-1. List of specifications**

- Maintenance data (specified fuel,
oil capacity, etc.) 578
Fuel information 587

8-2. Customizations

- List of customizable
features 588

8-3. Initial setting

- Item that requires
initial setting 594

Maintenance data (specified fuel, oil capacity, etc.)

Dimensions

Overall length	4310 mm (169.7 in.)	
Overall width	1770 mm (69.7 in.)	
Overall height*	1655 mm (65.2 in.)	
Wheelbase	2620 mm (103.2 in.)	
Tread	Front	1525 mm (60.0 in.)
	Rear	1520 mm (59.8 in.)

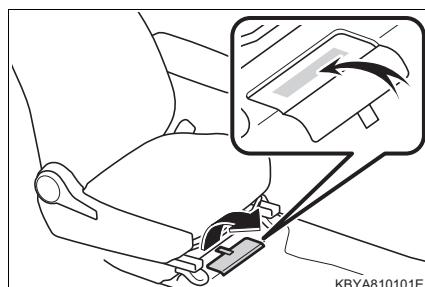
* Unladen vehicles

Vehicle identification

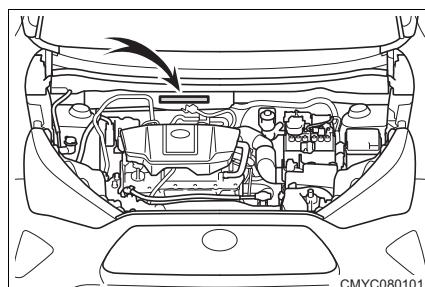
■ Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

This number is stamped under the right front seat.

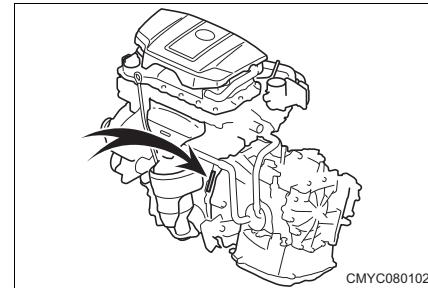


This number is also stamped on the manufacturer's plate.



■ Engine number

The engine number is stamped on the engine block as shown.

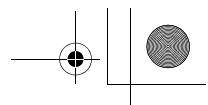
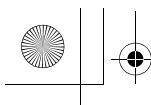


Engine

Model	<ul style="list-style-type: none"> ▶ Gasoline vehicles 2NR-VE ▶ Hybrid electric vehicles 2NR-VEX
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	72.5 x 90.6 mm (2.85 x 3.57 in.)
Displacement	1496 cm ³ (91.3 cu.in.)
Valve clearance (engine cold)	Automatic adjustment
Drive belt tension	Automatic adjustment

Fuel

Fuel type	Unleaded gasoline only
Research Octane Number	90 or higher
Fuel tank capacity (Reference)	<ul style="list-style-type: none"> ▶ Gasoline vehicles 42 L (11.1 gal., 9.2 Imp.gal.) ▶ Hybrid electric vehicles 36 L (9.5 gal., 7.9 Imp.gal.)



Electric motor (traction motor)

Type	Permanent magnet synchronous motor
Maximum output	53 kW
Maximum torque	141 N·m (14.4 kgf·m, 104 ft·lbf)

Hybrid battery (traction battery)

Type	Lithium-ion battery
Voltage	3.7 V/cell
Capacity	4.3 Ah
Quantity	48 cells
Nominal voltage	177.6 V

Lubrication system

Oil capacity (Drain and refill - reference*)	
With filter	3.3 L (3.5 qt., 2.9 Imp.qt.)
Without filter	3.1 L (3.3 qt., 2.7 Imp.qt.)

* The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

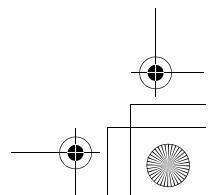
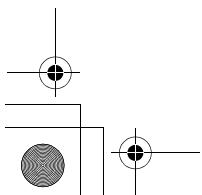
■ Engine oil selection

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

Oil grade:

0W-20, 5W-30 and 10W-30:

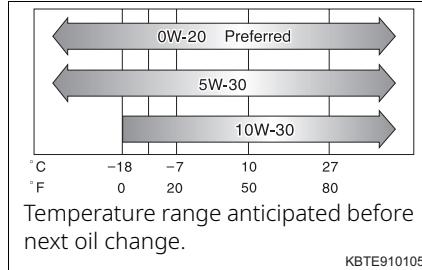
API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving", SN PLUS "Resource-Conserving" or SP "Resource-Conserving"; or ILSAC GF-6A multigrade engine oil



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 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:

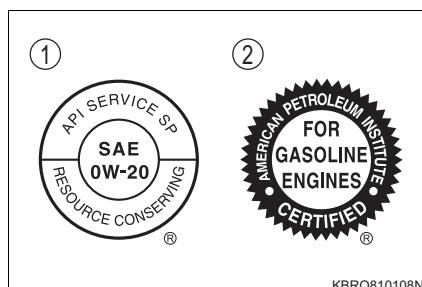
Either or both API registered marks are added to some oil containers to help you select the oil you should use.

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.

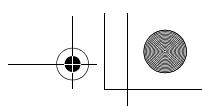
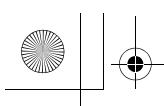


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Vehicle information

② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.



Cooling system

► Gasoline vehicles

Capacity (Reference)	► Continuously variable transmission 4.7 L (5.0 qt., 4.1 Imp.qt.)*1 5.2 L (5.5 qt., 4.6 Imp.qt.)*2 ► Manual transmission 4.6 L (4.9 qt., 4.0 Imp.qt.)*1 5.1 L (5.4 qt., 4.5 Imp.qt.)*2
Coolant type	Use either of the following: ● "Toyota Super Long Life Coolant" ● A similar high-quality ethylene glycol-based non-silicate, nonamine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

*1 For vehicles without heater

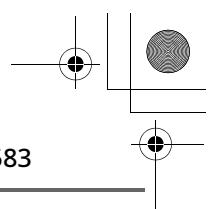
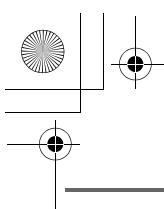
*2 For vehicles with heater

► Hybrid electric vehicles

Capacity (Reference)	Gasoline engine	4.4 L (4.6 qt., 3.9 Imp. qt.)*1 5.0 L (5.3 qt., 4.4 Imp. qt.)*2
	Power control unit	2.0 L (2.1 qt., 1.8 Imp. qt.)
Coolant type	Use either of the following: ● "Toyota Super Long Life Coolant" ● A similar high-quality ethylene glycol-based non-silicate, nonamine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.	

*1 For vehicles without heater

*2 For vehicles with heater



Ignition system (spark plug)

Make	► Gasoline vehicles DENSO SC16HR11 ► Hybrid electric vehicles DENSO FC16HR-Q8
Gap	► Gasoline vehicles 1.1 mm (0.043 in.) ► Hybrid electric vehicles 0.8 mm (0.031 in.)

⚠ NOTICE

Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

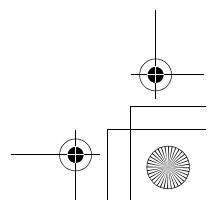
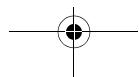
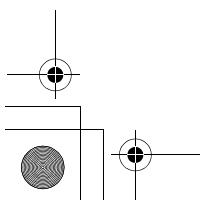
Electrical system

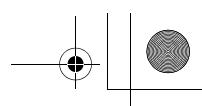
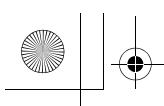
► Gasoline vehicles

Battery Model	34B19L
Specific gravity reading at 20°C (68°F):	1.250 – 1.290 Fully charged 1.200 – 1.240 Half charged 1.170 or less Discharged
Charging rates	
Quick charge	20 A max.
Slow charge	3 A max.

► Hybrid electric vehicles

Battery Model	LN1
Specific gravity reading at 20°C (68°F):	1.250 – 1.290 Fully charged 1.200 – 1.240 Half charged 1.170 or less Discharged
Charging rates	
Quick charge	20 A max.
Slow charge	3 A max.





Continuously variable transmission

Fluid capacity*	6.0 L (6.3 qt., 5.3 Imp.qt.)
Fluid type	TOYOTA GENUINE CVT FLUID FE

* The fluid capacity is a reference quantity. If replacement is necessary, contact your Toyota dealer.

⚠ NOTICE

■ Continuously variable transmission fluid type

Using continuously variable transmission fluid other than "TOYOTA GENUINE CVT FLUID FE" may cause malfunction.

Hybrid transmission

Fluid capacity*	2.6 L (2.7 qt., 2.3 Imp. qt.)
Fluid type	Toyota Genuine ATF WS

* The fluid capacity is a reference quantity. If replacement is necessary, contact your Toyota dealer.

⚠ NOTICE

■ Hybrid transmission fluid type

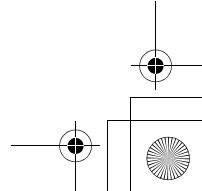
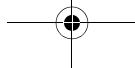
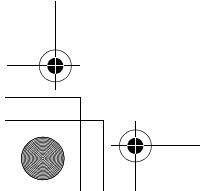
Using transmission fluid other than the above type may cause abnormal noise or vibration, or ultimately damage the transmission of your vehicle.

Manual transmission

Gear oil capacity (Reference)	1.4 L (1.5 qt., 1.2 Imp.qt.)
Gear oil type	Gear oil API GL-4
Recommended gear oil viscosity	SAE 80W

Clutch

Pedal free play	5.9 – 18.3 mm (0.23 – 0.72 in.)
Fluid type	FMVSS No. 116 DOT 3



Brakes

Pedal clearance*1	<ul style="list-style-type: none"> ▶ Left-hand drive gasoline vehicles 92.8 mm (3.65 in.) ▶ Left-hand drive hybrid electric vehicles 93.7 mm (3.69 in.) ▶ Right-hand drive gasoline vehicles 92.6 mm (3.65 in.) ▶ Right-hand drive hybrid electric vehicles 94.9 mm (3.74 in.)
Pedal free play	<ul style="list-style-type: none"> ▶ Gasoline vehicles 0.5 – 6.0 mm (0.02 – 0.24 in.) ▶ Hybrid electric vehicles 1.0 – 6.0 mm (0.04 – 0.24 in.)
Fluid type	FMVSS No.116 DOT 3

*1 Minimum pedal clearance when depressed with a force of 294 N (30 kgf, 66 lbf) while the engine is running

*2 Parking brake lever travel when pulled up with a force of 196 N (20 kgf, 44 lbf)

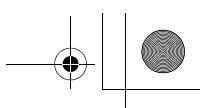
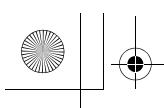
Steering

Free play	Less than 10 mm (0.4 in.)
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Tires and wheels

▶ 16 inch tire

Tire size	205/65R16 95H
Tire inflation pressure (Recommended cold tire inflation pressure)	kPa (kgf/cm ² or bar, psi) 230 (2.3, 33)
Wheel size	16 x 6J
Wheel nut torque	103 N·m (10.5 kgf·m, 76 ft·lbf)

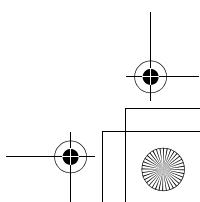
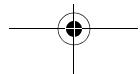
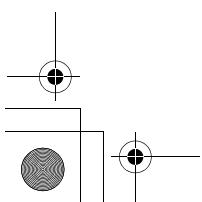
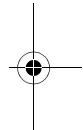
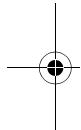


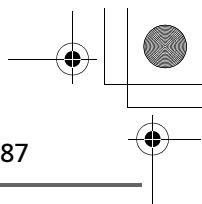
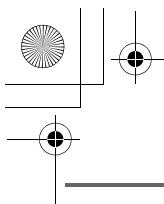
► 17 inch tires

Tire size	215/60R17 96H	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front wheels kPa (kgf/cm ² or bar, psi)	Rear wheels kPa (kgf/cm ² or bar, psi)
	230 (2.3, 33)	220 (2.2, 32)
Wheel size	17 x 6 1/2J	
Wheel nut torque	103 N·m (10.5 kgf·m, 76 ft·lbf)	

► 18 inch tires

Tire size	215/55R18 95V	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front wheels kPa (kgf/cm ² or bar, psi)	Rear wheels kPa (kgf/cm ² or bar, psi)
	230 (2.3, 33)	220 (2.2, 32)
Wheel size	18 x7J	
Wheel nut torque	103 N·m (10.5 kgf·m, 76 ft·lbf)	





Fuel information

You must only use unleaded gasoline.

Select unleaded gasoline with a Research Octane Number of 90 (Octane rating 86) or higher for optimum engine performance.

■ Use of ethanol blended gasoline in a gasoline engine

- ▶ Except for Paraguay

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.

- ▶ For Paraguay

Toyota allows the use of ethanol blended gasoline where the ethanol content is complied to Paraguayan fuel standard. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

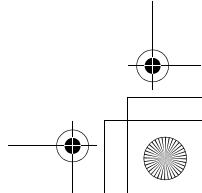
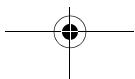
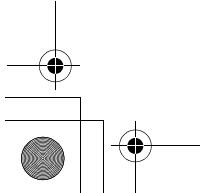
■ If your engine knocks

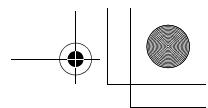
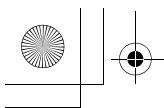
- Consult your Toyota dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.

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.
- For Paraguay: Bioethanol fuel sold under names such as "E50", "E85" or "E100" and fuel containing a large amount of ethanol should not be used.
The use of these fuels will damage the vehicle's fuel system. In case of any doubt, ask your Toyota dealer.





List of customizable features

Your vehicle includes a variety of features that can be customized at your Toyota dealer as desired.

Some features change their settings in conjunction with other features. Please contact your Toyota dealer for more details.

Customizable features

■ Key-free system and wireless door lock (→ P. 143)

Feature	Initial setting	Customized setting
Signal of locking and unlocking the doors (emergency flashers)	ON	None
Period of time after a door is unlocked before it is automatically locked if not opened	30 seconds	60 seconds
		120 seconds
Signal of locking and unlocking the doors (volume)	Level 5	OFF Level 1 to 7

■ Key-free system (→ P. 143)

Feature	Initial setting	Customized setting
Operation of key-free system	ON	None
Activation of electronic key's auto detection function outside the vehicle	ON	None

■ Door lock (→ P. 156)

Feature	Initial setting	Customized setting
Speed linked door locking function	ON	None
Shifting the shift lever to positions other than P locks all doors (Shift position linked door locking)	None	ON
Shifting the shift lever to P unlocks all doors (Shift position linked door unlocking)	None	ON
Turning the engine switch <power switch> to "ACC" or "OFF" unlocks all doors (Engine switch <power switch> "OFF" linked automatic door unlocking)	ON* ¹ None* ²	None* ¹ ON* ²
Unlocking all doors when approaching the unlocking range with the electronic key carried (Welcome door unlocking*)	None	ON
Automatic relocking after 15 seconds from the activation of welcome door unlocking*	ON	None

*¹ For Indonesia

*² Except for Indonesia

■ Back door* (→ P. 164)

Function	Default setting	Customized setting
Operation with the switch on the right side of the back door	Lock only	Lock and unlock

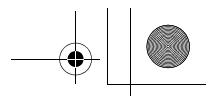
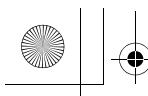
■ Power back door* (→ P. 169)

Function	Default setting	Customized setting
Wireless remote control switch door unlock setting	All the doors	Back door
Handle SW door unlock setting	All the doors	Back door
Kick sensor door unlock setting	All the doors	Back door

8

Vehicle information

*: If equipped

**■ Pre-collision warning* (→ P. 284, 293)**

Feature	Initial setting	Customized setting
Warning timing of the pre-collision warning	Normal	Fast
		Slow

■ Lane Departure Warning* (→ P. 311)

Feature	Initial setting	Customized setting
Warning timing of the Lane Departure Warning	Normal	Fast

■ Steering assist (Lane departure prevention*, LKC*) (→ P. 311, 340)

Feature	Initial setting	Customized setting
Activation of steering assist	ON	None

■ Front departure alert* (→ P. 318)

Feature	Initial setting	Customized setting
Operation of front departure alert	ON	None
Notification timing of the front departure alert	Normal	A little fast
		Fast

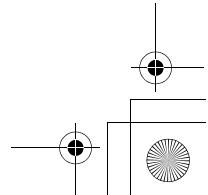
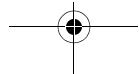
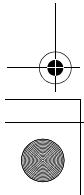
■ Adaptive Cruise Control* (→ P. 320)

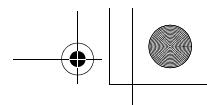
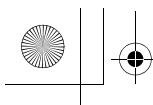
Feature	Initial setting	Customized setting
Vehicle ahead recognition buzzer of Adaptive Cruise Control	ON	None

■ BSM*, RCTA* (→ P. 348)

Feature	Initial setting	Customized setting
Brightness of the outside rear view mirror indicators	Bright	Dim

*: If equipped





■ Lights (→ P. 252)

Feature	Initial setting	Customized setting
Automatic light off system	Engine switch linked	Driver's door linked
Lighting time of the extended head-light lighting*	30 seconds	60 seconds
		90 seconds
		120 seconds
Leaving home lamp function*	OFF	ON

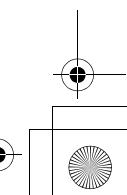
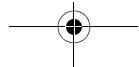
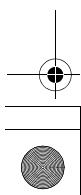
■ Meter (→ P. 110, 132)

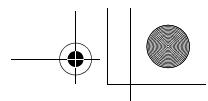
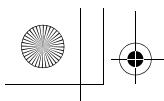
Feature	Initial setting	Customized setting
Sensitivity of switching the instrument panel lights to night mode*	0	-2 to 2

■ Illumination (→ P. 410)

Feature	Initial setting	Customized setting
Period of time after a door is opened or closed before the lit interior lights are automatically turned off	15 seconds	OFF
		7.5 seconds
		30 seconds
The interior lights turn off automatically	ON	OFF
The interior lights automatically turn on after the engine switch <power switch> is turned to "OFF"	ON	None
The interior lights automatically turn on when approaching the vehicle with the electronic key (Welcome lamp setting*)	ON	OFF
Brightness of the interior light	3 (Brightest)	0 (Not lit) to 3

*: If equipped





■ Outside rear view mirrors (electric type) (→ P. 193)

Feature	Initial setting	Customized setting
Folding and unfolding the outside rear view mirrors with the outside rear view mirror switches	Fold and unfold when the engine switch <power switch> is "ACC" or "ON"	Fold and unfold when the engine switch <power switch> is "ON"
Unfolding the outside rear view mirrors with automatic mode	Unfold the mirrors linked to key-free system door unlocking	Unfold the mirrors linked to engine switch <power switch> operation
Unfolding the outside rear view mirrors with engine switch <power switch> operation*	Unfold the mirrors when the engine switch <power switch> is turned to "ACC" or "ON"	Unfold the mirrors when the engine switch <power switch> is turned to "ON"

* If the setting of the unfolding the outside rear view mirrors with automatic mode is changed to the one linked to engine switch <power switch> operation

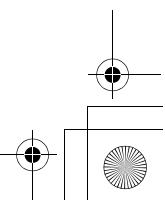
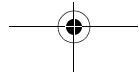
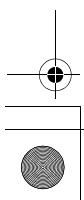
■ Electronic sunshade* (→ P. 439)

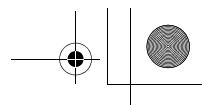
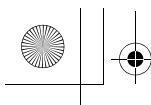
Function	Default setting	Customized setting
Operation of the electronic sun-shade	Auto	Manual

■ Windshield wiper (→ P. 262)

Feature	Initial setting	Customized setting
Vehicle speed sensitive intermittent operation function	ON	OFF

*: If equipped

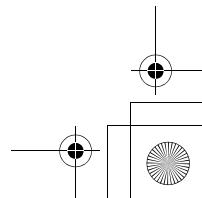
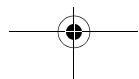
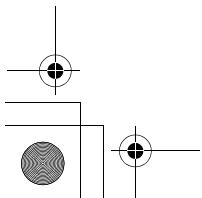


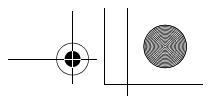
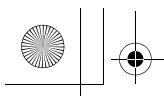
**■ Rear wiper and washer (→ P. 265)**

Function	Default setting	Customized setting
Reverse wiper function	ON	OFF
Adjusting intermittent operation time	Normal	Fast
		Slow
4-second low speed operation when starting intermittent operation	ON	OFF
Rear washer link function	OFF	ON

■ Turn signal lever (→ P. 242)

Feature	Initial setting	Customized setting
Function to make the light flash 3 times when the lever is moved half way	ON	OFF
Time to hold the lever until the opposite side's light starts flashing 3 times after moving the lever to the opposite side to stop the flashing	Level 2	Level 1 to 4



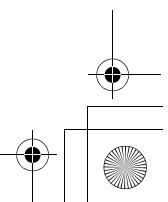
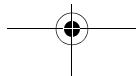
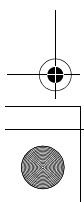


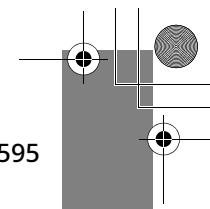
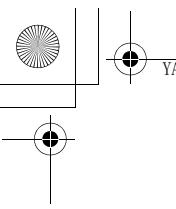
Item that requires initial setting

The following item requires initial setting for proper system operation after such cases as the battery <12-volt battery> being reconnected, or maintenance being performed on the vehicle

Item	Feature	Reference
Power back door*	<ul style="list-style-type: none">● After reconnecting or changing the battery <12-volt battery>● After changing a fuse	P. 176
Power windows	<ul style="list-style-type: none">● When reconnecting the battery after charging or replacement● When replacing fuses	P. 197
Tire pressure warning system*	<ul style="list-style-type: none">● When rotating front and rear tires which have different tire inflation pressures● When changing the tire size	P. 479

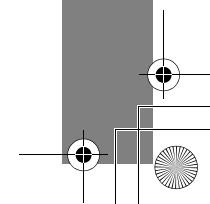
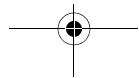
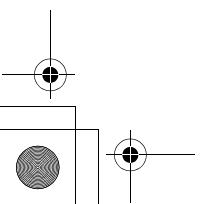
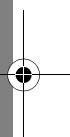
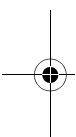
*: If equipped





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What to do if... (Troubleshooting)

If you have a problem, check the following before contacting your Toyota dealer.

The doors cannot be locked, unlocked, opened or closed



You have lost your keys

- If you have lost keys or emergency keys, new genuine keys or an emergency key can be made at your Toyota dealer. (→ P. 140)
- If you lose your keys or electronic keys, the risk of theft is extremely high, so contact your Toyota dealer immediately. (→ P. 142)



The doors cannot be locked and unlocked

- Is the key battery weak or depleted? (→ P. 498)
- Isn't the engine switch <power switch> "ON"?

When locking the doors, turn the engine switch <power switch> to "OFF". (→ P. 219, 224)
- Isn't the electronic key left inside the vehicle?
When locking the doors, make sure that you have the electronic key on your person.
- The feature may not operate properly due to the condition of the radio wave. (→ P. 147)



The rear door cannot be opened

- Isn't the child-protector lock set?
When the child-protector lock is set, the rear door cannot be opened from inside the vehicle.
Open the rear door from outside and then unlock the child-protector lock. (→ P. 155)

If you think something is wrong



The engine <hybrid system> does not start

- Continuously variable transmission vehicles or hybrid transmission vehicles

Did you press the engine switch <power switch> while firmly depressing the brake pedal? (→ P. 218, 223)

- Manual transmission vehicles

Did you press the engine switch while firmly stepping on the clutch pedal? (→ P. 218)

- Continuously variable transmission vehicles or hybrid transmission vehicles

Is the shift lever in P? (→ P. 218, 223)

- Is the key anywhere detectable inside the vehicle? (→ P. 144)

- Isn't the steering wheel locked?* (→ P. 221)

- Is the key battery weak or depleted?

In this case, the engine <hybrid system> can be started in a temporary way. (→ P. 561)

- Isn't the battery <12-volt battery> discharged? (→ P. 563)



The shift lever cannot be moved from P even if you depress the brake pedal (continuously variable transmission vehicles or hybrid transmission vehicles)

- Is the engine switch <power switch> "ON"?

If you cannot release the shift lever while depressing the brake pedal with the engine switch <power switch> "ON", refer to P. 234, 240.



The steering wheel cannot be turned after the engine is stopped

- It is automatically locked to prevent theft of the vehicle.* (→ P. 221)

*: If equipped



The windows do not open or close by operating the power window switches

- Isn't the window lock switch pressed?

If the window lock switch is pressed, the power windows except for the one at the driver's seat cannot be operated. (→ P. 196)



The engine switch <power switch> is turned off automatically

- The auto power OFF function will be operated if the vehicle is left "ACC" or "ON" (the engine is not running <the hybrid system is not operating>) for a period of time. (→ P. 220, 225)



A warning light or warning message comes on

- If a warning light or warning message comes on, refer to P. 522, 530.

When a problem has occurred



If you got a flat tire

- Stop the vehicle at a safe place and replace the flat tire with the spare tire. (→ P. 549)



The vehicle has become stuck

- Try the procedure for when the vehicle has become stuck in mud, dirt, or snow. (→ P. 575)

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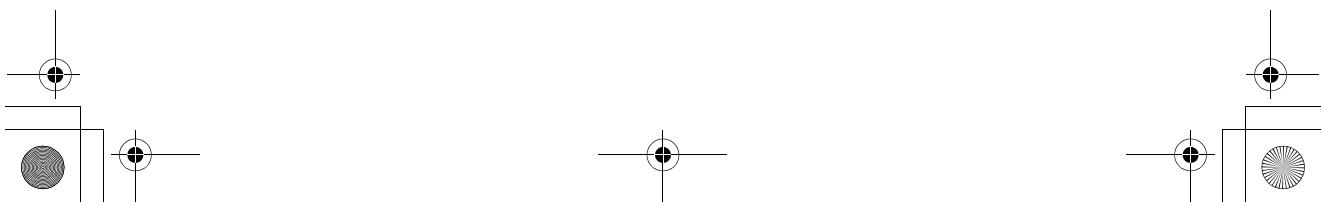
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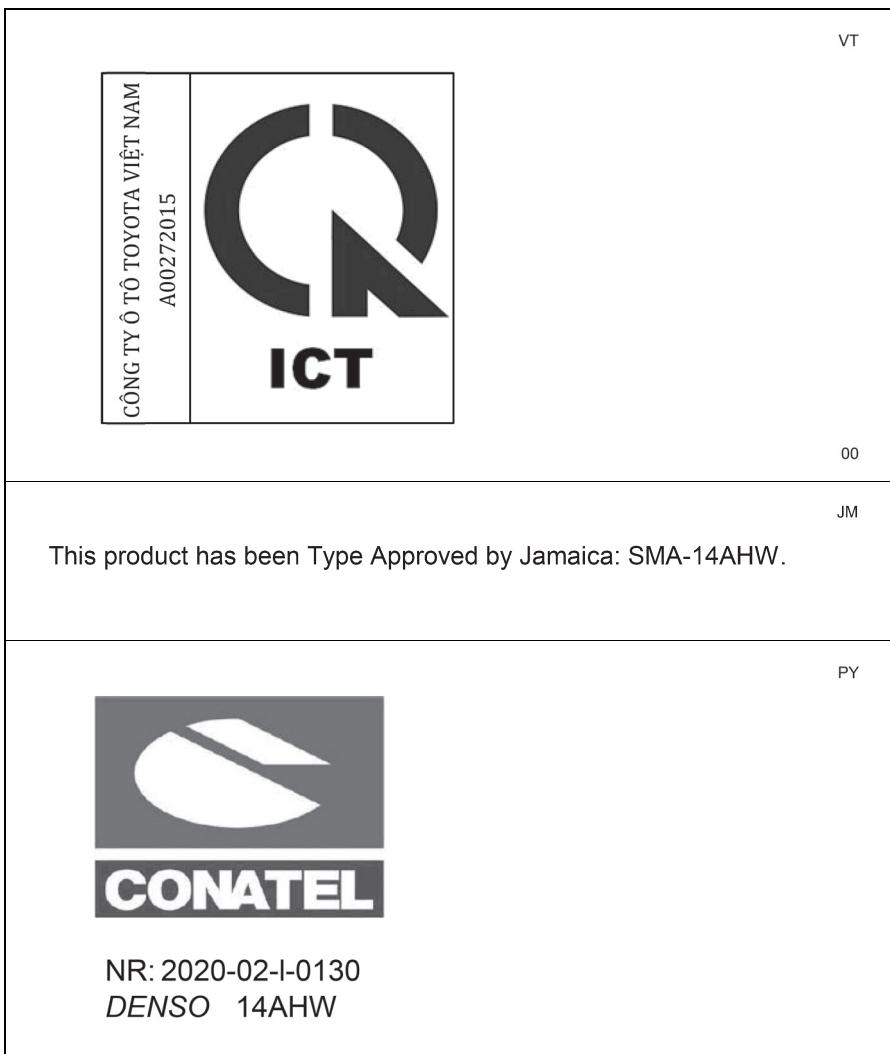
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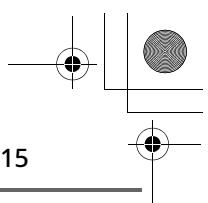
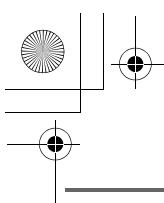
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Certifications

► Key-free system





► Key-free system

FCC ID: 2AVSADH19S-2

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC ID: 2AVSADH19S-6

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

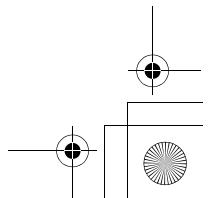
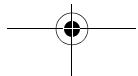
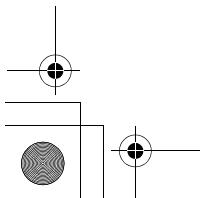
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

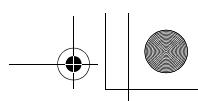
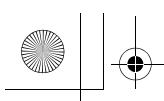
This product has been Type Approved by Jamaica: SMA - DH19S-2.

This product has been Type Approved by Jamaica: SMA - DH19S-6.

TOYOTOSHI S.A.

Avenida Mariscal López 2801/99 y Reclus Asunción, CENTRAL, 1805 Paraguay





► BSM (Blind Spot Monitor)

FCC ID: HYQDNSRR004

D04 US 01

NOTE:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

US 01

CÔNG TY Ô TÔ TOYOTA VIỆT NAM
A00272015



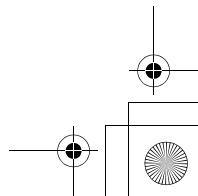
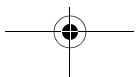
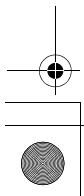
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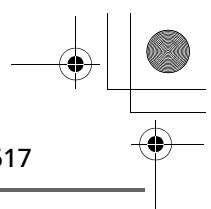
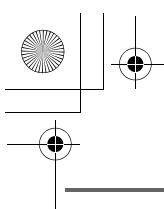
This product has been Type Approved by Jamaica: SMA - DNSRR004.

D04 JM 01

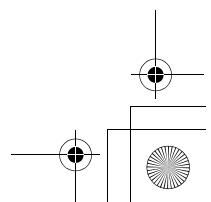
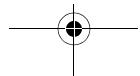
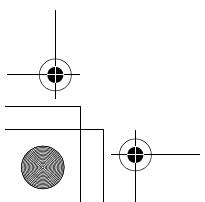
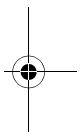
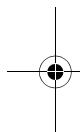
[Para los vehículos que se venden en Paraguay]
Nombre del proveedor en Paraguay: Toyotoshi S.A.
Dirección: Av. Mariscal Lopez 2801/2899 Asuncion, Paraguay

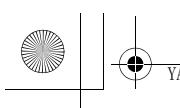
PY 01





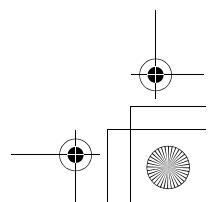
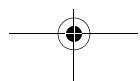
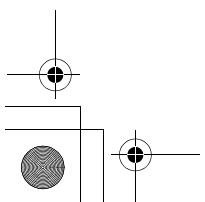
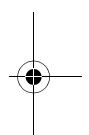
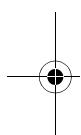
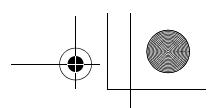
► Wireless charger



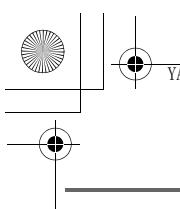


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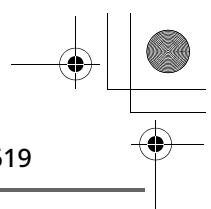
618



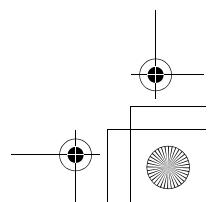
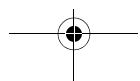
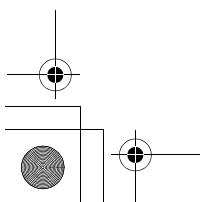
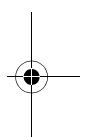
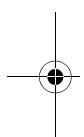
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619



Information needed for gas stations

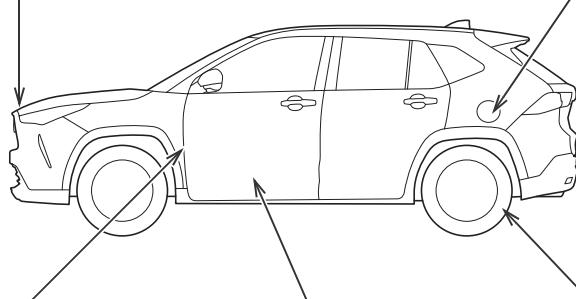
The following summarizes items required for refueling or replacement.

Hood hooks

P. 460

Fuel filler door

P. 269



CMYC090301

Hood lock release lever

P. 460

Fuel tank opener

P. 269

Tire pressure

P. 585

Fuel volume (reference value)

► Gasoline vehicles

42 L (11.1 gal., 9.2 Imp.gal.)

► Hybrid electric vehicles

36 L (9.5 gal., 7.9 Imp.gal.)

Fuel types

P. 579, 587

Air pressure when the tires are cold

P. 585

Engine oil capacity (Drain and refill reference)

P. 580

Engine oil type

P. 580