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2	**Instrument cluster**	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.
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Refer to the “Navigation and multimedia system Owner’s manual” for information regarding the equipment listed below.

- Navigation system
- Audio/visual system
- Toyota parking assist monitor

Toyota Motor Europe NV/SA, Avenue du Bourget 60 - 1140 Brussels, Belgium www.toyota-europe.com

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.

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
- Anti-lock brake system
- SRS airbag system
- Seat belt pretensioner system

Be sure to check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for precautionary measures or special instructions regarding installation of an RF-transmitter system.

Further information regarding frequency bands, power levels, antenna positions and installation provisions for the installation of RF-transmitters, is available on request at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

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

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

Vehicle data recordings

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

The recorded data varies according to the vehicle grade level and options with which it is equipped.
These computers do not record conversations or sounds, and only record images outside of the vehicle in certain situations.

- Engine speed/Electric motor speed (traction motor speed)
- Accelerator status
- Brake status
- Vehicle speed
- Operation status of the driving assist systems, such as the ABS and pre-collision system

● Data usage

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

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

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

Event data recorder

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

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

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

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

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

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

● Disclosure of the EDR data

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

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

However, if necessary, Toyota may:

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

Scrapping of your Toyota

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

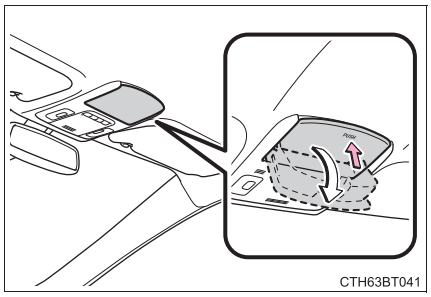
WARNING:
Explains something that, if not obeyed, could cause death or serious injury to people.

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

1 2 3 ··· Indicates operating or working procedures. Follow the steps in numerical order.

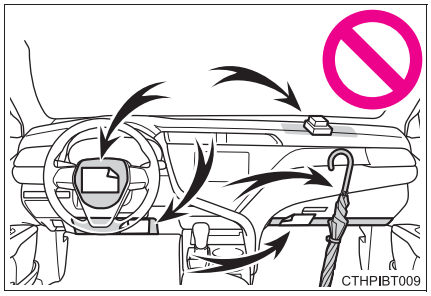
Indicates the action (pushing, turning, etc.) used to operate switches and other devices.

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



Indicates the component or position being explained.

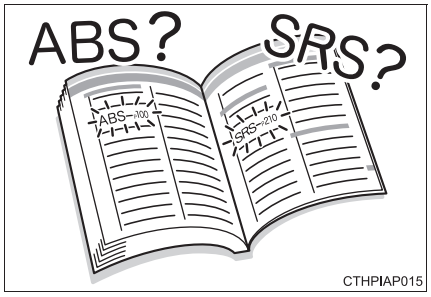
Means “Do not”, “Do not do this”, or “Do not let this happen”.



How to search

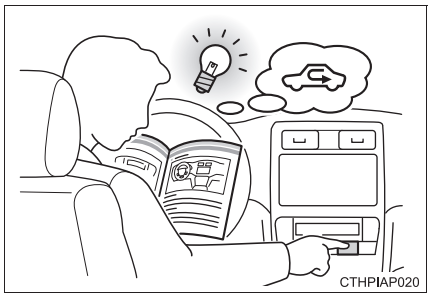
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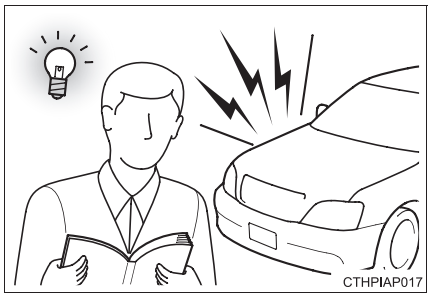
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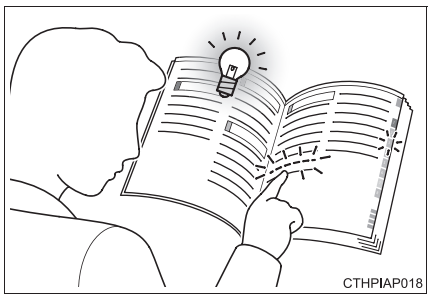
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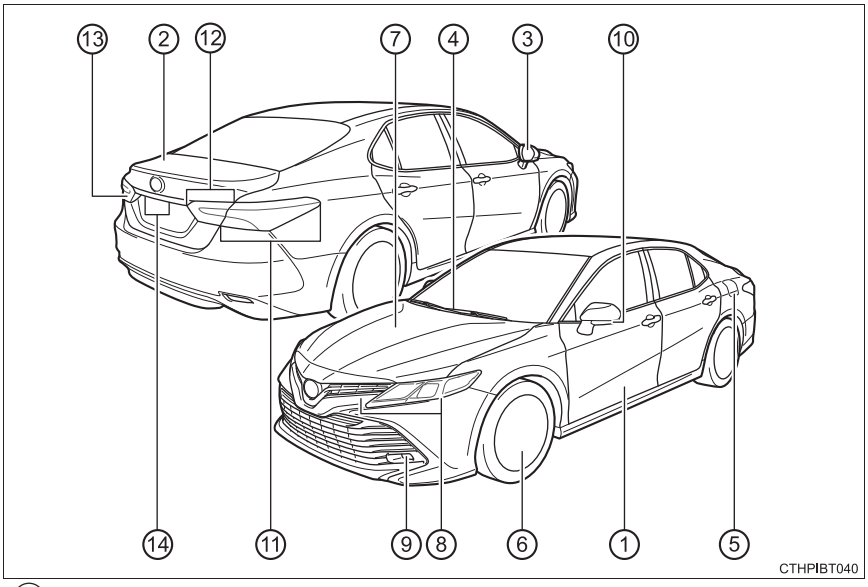
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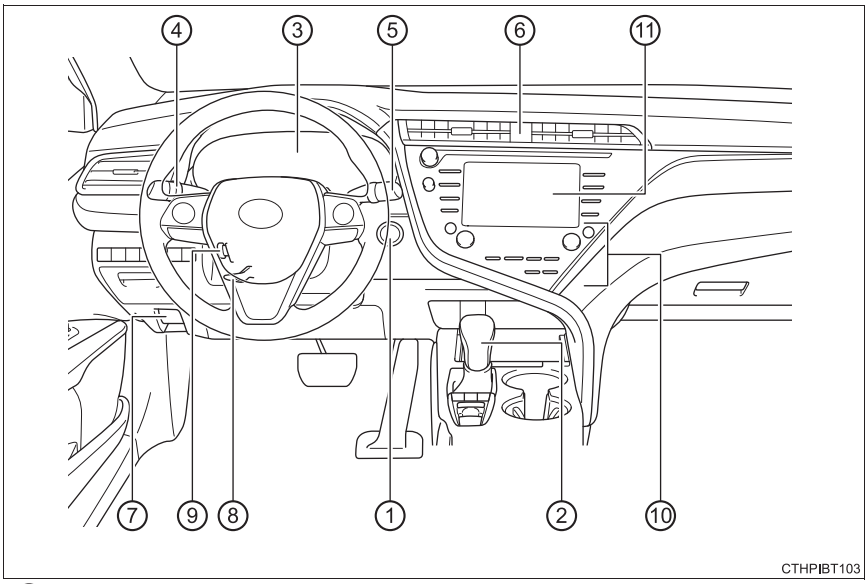
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*: If equipped

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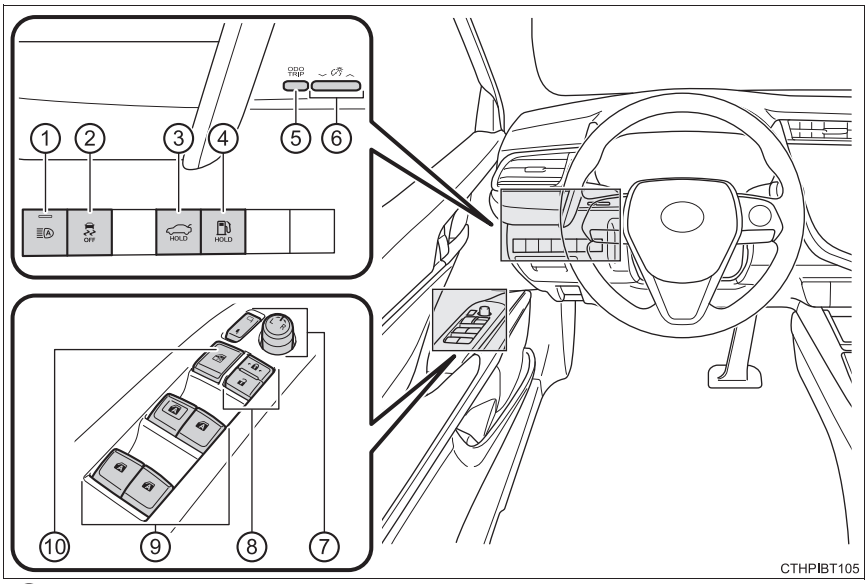
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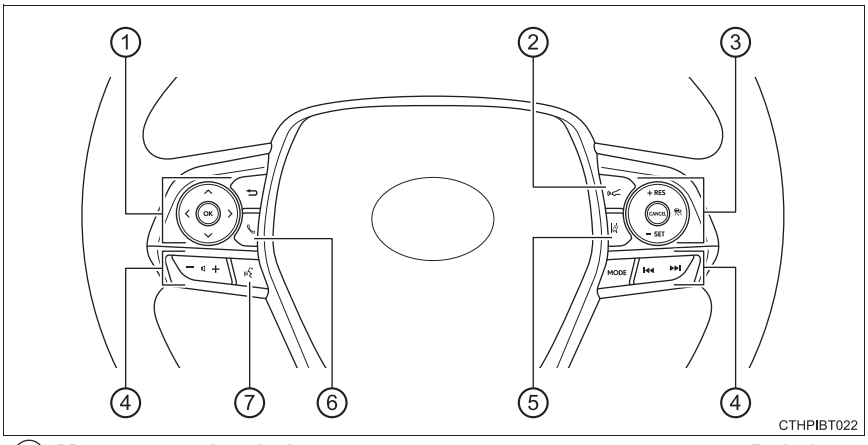
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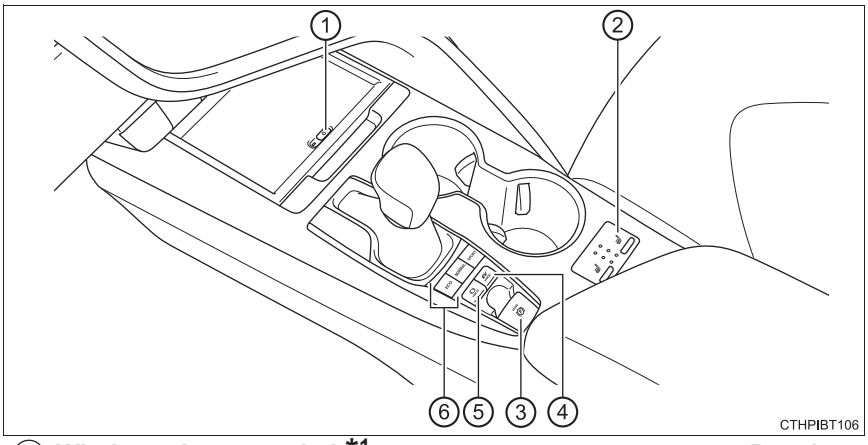
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*: Refer to “Navigation and multimedia system Owner’s manual”.



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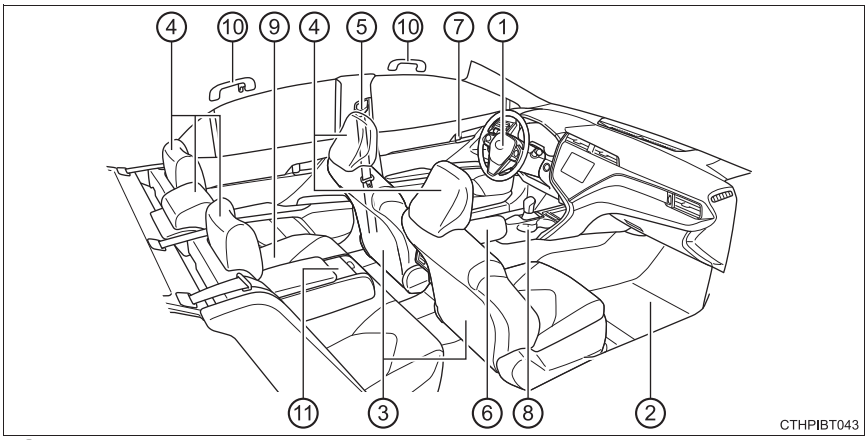
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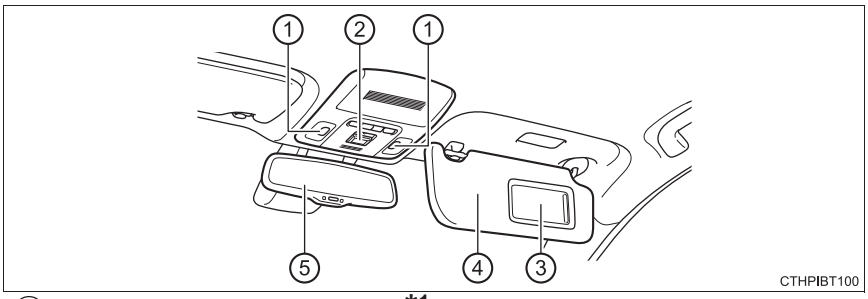
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*1: If equipped
*2: Refer to “Navigation and multimedia system Owner’s manual”.



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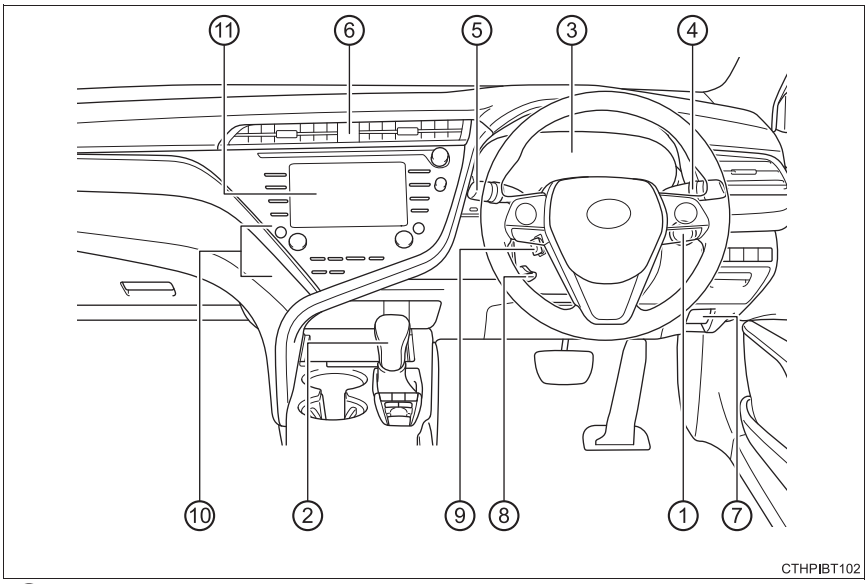
*1: The illustration shows the front, but they may also be equipped in the rear.

*2: If equipped

*3: 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. 64)



Instrument panel (right-hand drive vehicles)



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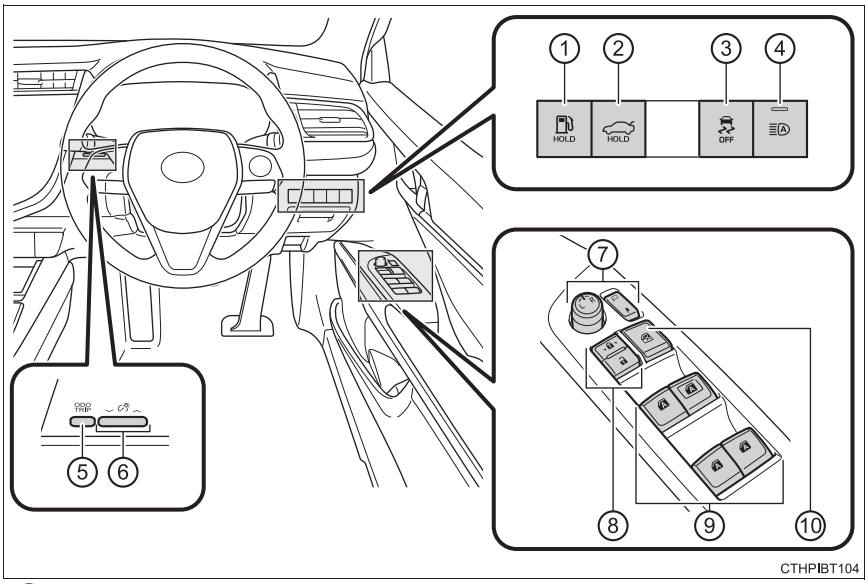
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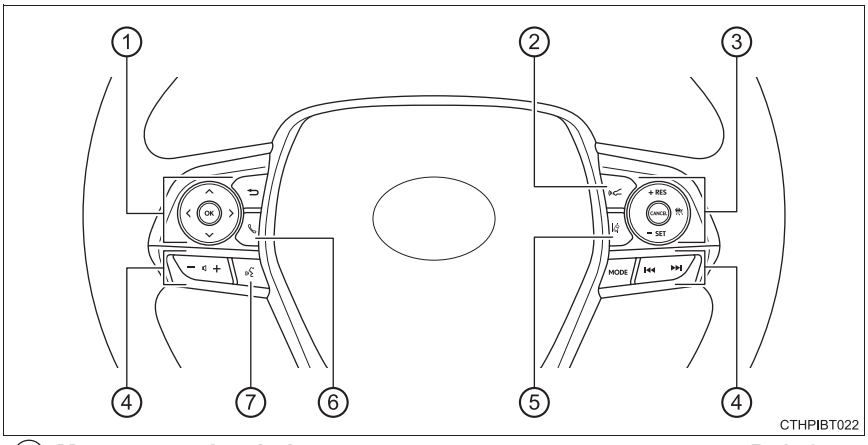
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⑦ **Hood lock release lever . . . . . P. 467**
⑧ **Tilt and telescopic steering control lever*1 . . . . . P. 230**
⑨ **Tilt and telescopic steering control switch*1 . . . . . P. 230**
Adjustment . . . . . P. 230
⑩ **Air conditioning system . . . . . P. 414**
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Rear window defogger . . . . . P. 418
⑪ **Audio/visual system*2**
Clock*2

*1: If equipped
*2: Refer to “Navigation and multimedia system Owner’s manual”.

Switches (right-hand drive vehicles)



① Fuel filler door opener switch . . . . . P. 292
② Trunk opener switch . . . . . P. 181
③ VSC OFF switch . . . . . P. 350
④ Automatic High Beam switch . . . . . P. 278
⑤ “ODO/TRIP” switch . . . . . P. 142
⑥ Instrument panel light control switch . . . . . P. 137
⑦ Outside rear view mirror switches . . . . . P. 234
⑧ Door lock switches . . . . . P. 176
⑨ Power window switches . . . . . P. 237
⑩ Window lock switch . . . . . P. 237



① **Meter control switches . . . . . P. 142**

② **Vehicle-to-vehicle distance switch . . . . . P. 340**

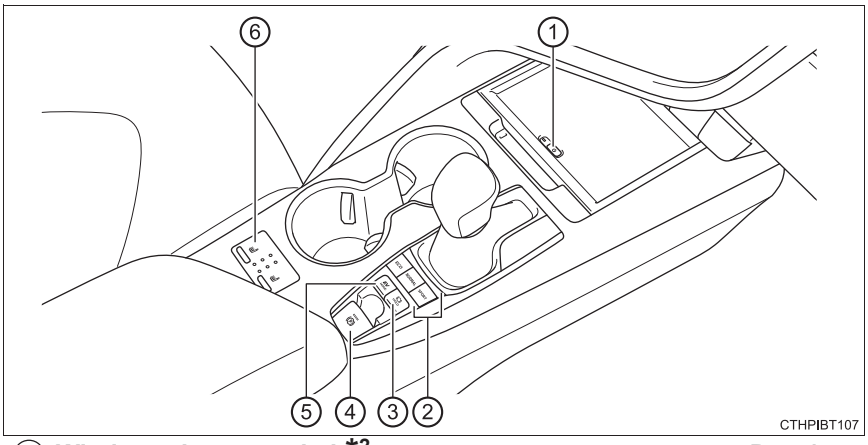
③ **Cruise control switches**
Dynamic radar cruise control with full-speed range. . . . . P. 333

④ **Audio remote control switches*1**

⑤ **LDA (Lane Departure Alert with steering control) switch . . . . . P. 318**

⑥ **Telephone switch*1**

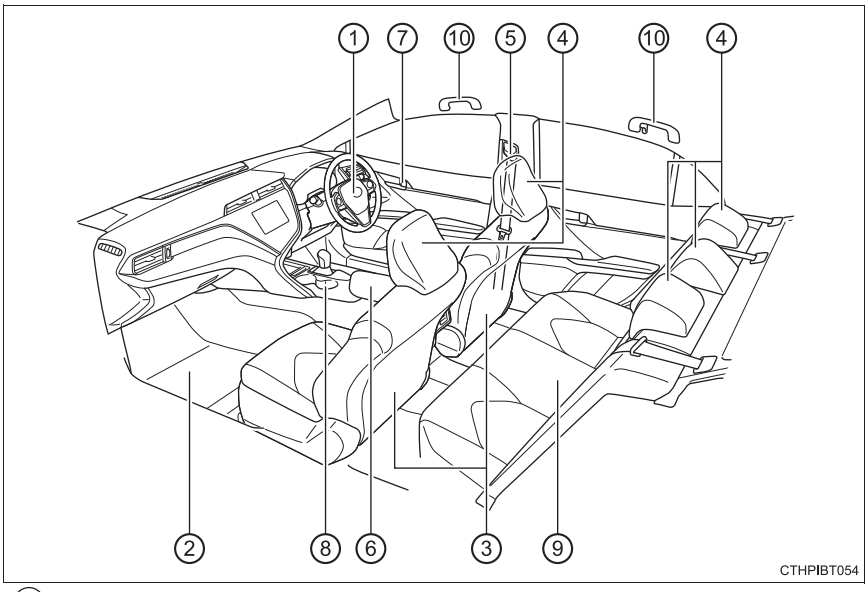
⑦ **Talk switch*1**



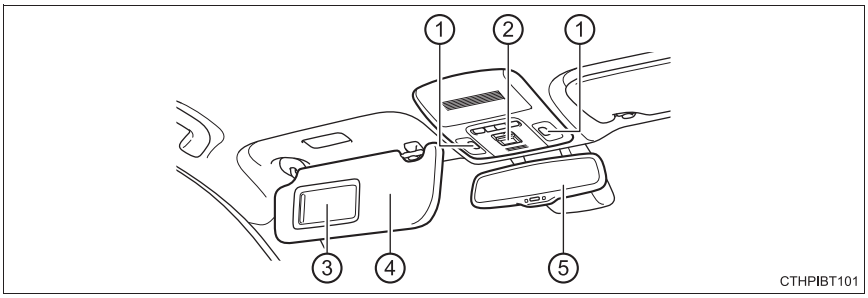
① **Wireless charger switch*2 . . . . . P. 441**
② **Driving mode select switches . . . . . P. 403**
③ **Brake hold switch . . . . . P. 272**
④ **Parking brake . . . . . P. 268**
Applying/releasing . . . . . P. 268, 269
Precautions for winter season . . . . . P. 409
Warning light/warning buzzer/warning message . . . . . P. 271, 531
⑤ **EV drive mode switch . . . . . P. 258**
⑥ **Seat heater switches*2 . . . . . P. 425**

*1: Refer to “Navigation and multimedia system Owner’s manual”.
*2: If equipped

Interior (right-hand drive vehicles)



① SRS airbags . . . . . P. 43
② Floor mats . . . . . P. 34
③ Front seats . . . . . P. 222
④ Head restraints . . . . . P. 227
⑤ Seat belts . . . . . P. 38
⑥ Console box . . . . . P. 430
⑦ Inside lock buttons . . . . . P. 176
⑧ Cup holders . . . . . P. 432
⑨ Rear seats . . . . . P. 224
⑩ Assist grips . . . . . P. 451



① **Interior lights/personal lights*1** . . . . . **P. 426**
② **“SOS” button** . . . . . **P. 83**
③ **Vanity mirrors** . . . . . **P. 437**
④ **Sun visors*2** . . . . . **P. 437**
⑤ **Inside rear view mirror** . . . . . **P. 232**

*1: The illustration shows the front, but they may also be equipped in the rear.

*2: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P. 64)



For safety and security 1

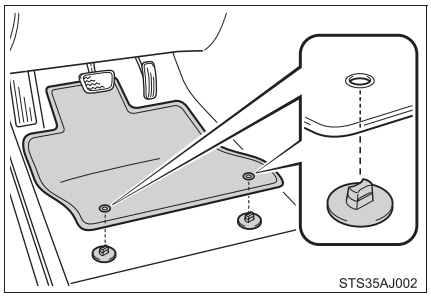
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Before driving

Floor mat

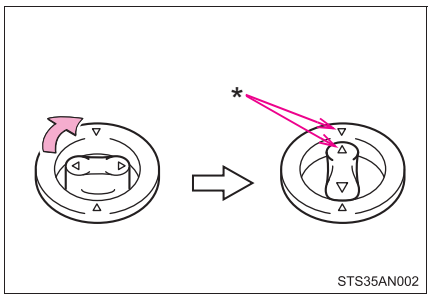
Use only floor mats designed specifically for vehicles of the same model and model year as your vehicle. Fix them securely in place onto the carpet.

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


STS35AJ002

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

*: Always align the △ marks.



STS35AN002

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

WARNING

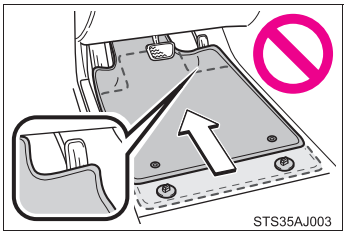
Observe the following precautions.
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

■ When installing the driver's floor mat

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

■ Before driving

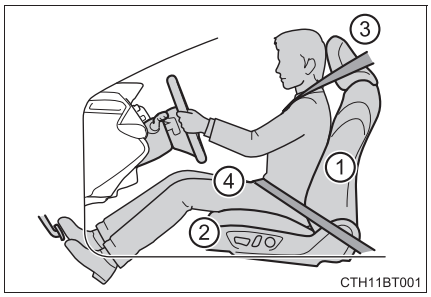
- Check that the floor mat is securely fixed in the correct place with all the provided retaining hooks (clips). Be especially careful to perform this check after cleaning the floor.
- With the hybrid system stopped and the shift lever in P, fully depress each pedal to the floor to make sure it does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



For safe driving

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

Correct driving posture



① Adjust the angle of the seatback so that you are sitting straight up and so that you do not have to lean forward to steer. (→P. 222)

② Adjust the seat so that you can depress the pedals fully and so that your arms bend slightly at the elbow when gripping the steering wheel. (→P. 222)

③ Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 227)

④ Wear the seat belt correctly. (→P. 38)

Correct use of the seat belts

Make sure that all occupants are wearing their seat belts before driving the vehicle. (→P. 38)

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 60)

Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside and outside rear view mirrors properly. (→P. 232, 234)

⚠ WARNING

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

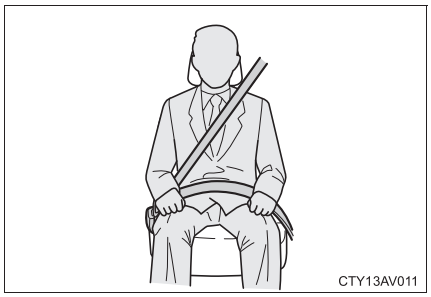
- Do not adjust the position of the driver's seat while driving.
  Doing so could cause the driver to lose control of the vehicle.
- Do not place a cushion between the driver or passenger and the seatback.
  A cushion may prevent correct posture from being achieved, and reduce the effectiveness of the seat belt and head restraint.
- Do not place anything under the front seats.
  Objects placed under the front seats may become jammed in the seat tracks and stop the seat from locking in place. This may lead to an accident and the adjustment mechanism may also be damaged.
- Always observe the legal speed limit when driving on public roads.
- When driving over long distances, take regular breaks before you start to feel tired.
  Also, if you feel tired or sleepy while driving, do not force yourself to continue driving and take a break immediately.

Seat belts

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

Correct use of the seat belts

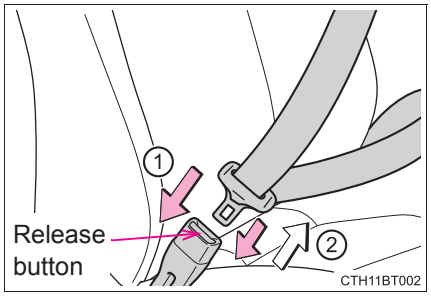
- Extend the shoulder belt so that it comes fully over the shoulder, but does not come into contact with the neck or slide off the shoulder.
- Position the lap belt as low as possible over the hips.
- Adjust the position of the seatback. Sit up straight and well back in the seat.
- Do not twist the seat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



Fastening and releasing the seat belt

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

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

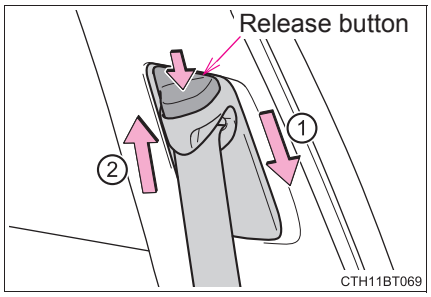


Adjusting the seat belt shoulder anchor height (front seats)

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

② Push the seat belt shoulder anchor up.

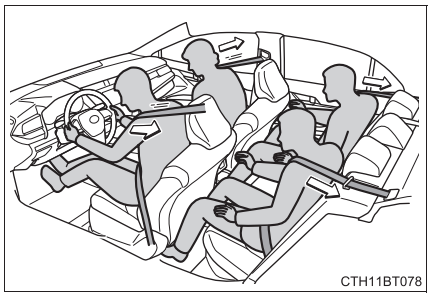
Move the height adjuster up and down as needed until you hear a click.



Seat belt pretensioners (front and outboard rear seats)

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

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



■ **Emergency locking retractor (ELR)**

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

■ **Child seat belt usage**

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

- Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 60)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions regarding seat belt usage. (→P. 38)

■ **Replacing the belt after the pretensioner has been activated**

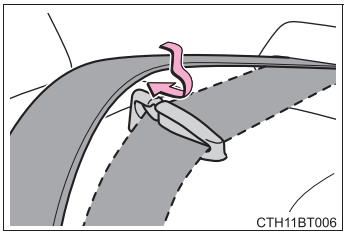
If the vehicle is involved in multiple collisions, the pretensioner will activate for the first collision, but will not activate for the second or subsequent collisions.

■ **Seat belt regulations**

If seat belt regulations exist in the country where you reside, please contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for seat belt replacement or installation.

■ **Rear seat belt**

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



WARNING

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

■ Wearing a seat belt

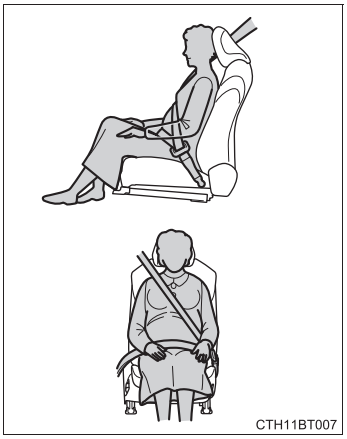
- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Each seat belt should be used by one person only. Do not use a seat belt for more than one person at once, including children.
- Toyota recommends that children be seated in the rear seat and always use a seat belt and/or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

■ Pregnant women

Obtain medical advice and wear the seat belt in the proper way. (→P. 38)

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

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



■ People suffering illness

Obtain medical advice and wear the seat belt in the proper way. (→P. 38)

WARNING

■ **When children are in the vehicle**

→P. 78

■ **Seat belt pretensioners**

If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Adjustable shoulder anchor**

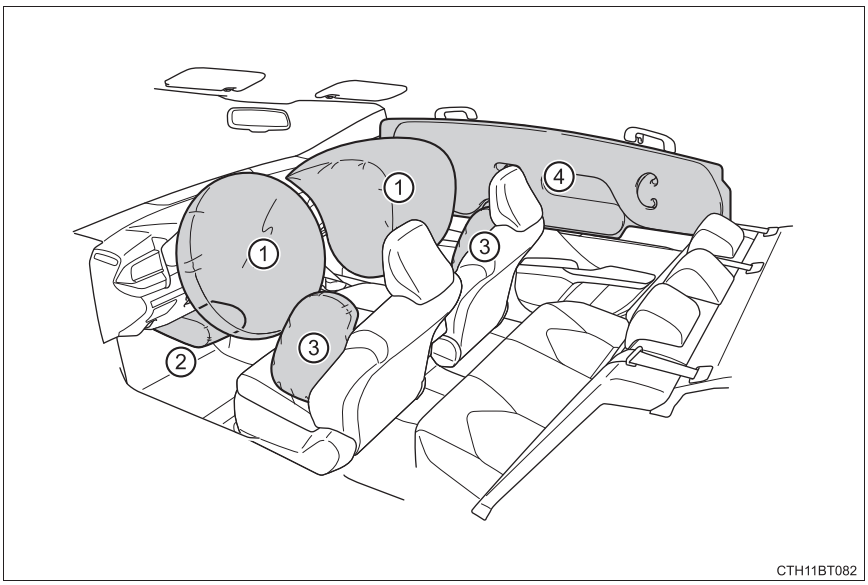
Always make sure the shoulder belt is positioned across the center of your shoulder. The belt should be kept away from your neck, but not falling off your shoulder. Failure to do so could reduce the amount of protection in an accident and cause death or serious injuries in the event of a sudden stop, sudden swerve or accident. (→P. 39)

■ **Seat belt damage and wear**

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

SRS airbags

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



SRS front airbags

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

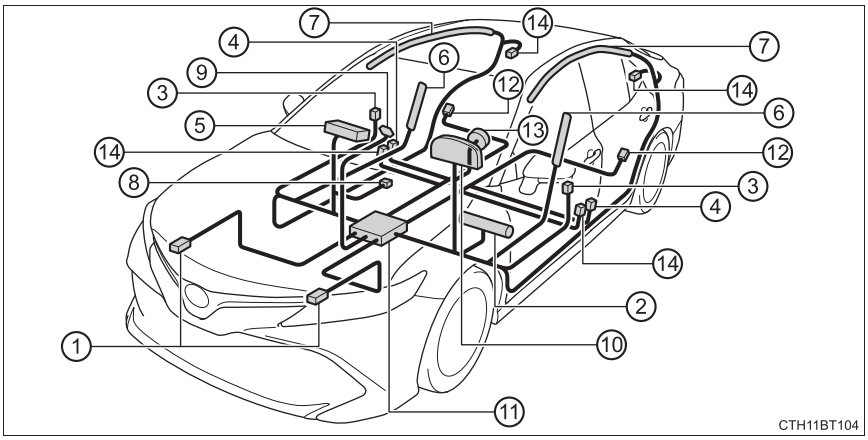
② SRS driver's knee airbag
Can help provide driver protection

SRS side and curtain shield airbags

③ SRS front side airbags
Can help protect the torso of the front seat occupants

④ SRS curtain shield airbags
Can help protect primarily the head of occupants in the outer seats

SRS airbag system components



① Front impact sensors
② Driver's knee airbag
③ Side impact sensors (front door)
④ Side impact sensors (front)
⑤ Front passenger airbag
⑥ Front side airbags
⑦ Curtain shield airbags
⑧ Airbag manual on-off switch (if equipped)
⑨ "AIR BAG ON" and "AIR BAG OFF" indicator light (if equipped)
⑩ SRS warning light
⑪ Airbag sensor assembly
⑫ Side impact sensors (rear)
⑬ Driver airbag
⑭ Seat belt pretensioners and force limiters

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

WARNING

■ **SRS airbag precautions**

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

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

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

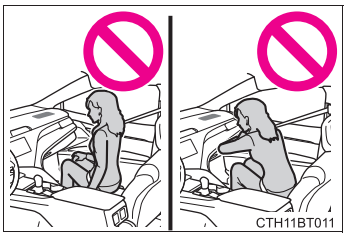
  • Move your seat to the rear as far as you can while still reaching the pedals comfortably.
  • Slightly recline the back of the seat.
    Although vehicle designs vary, many drivers can achieve the 250 mm (10 in.) distance, even with the driver seat all the way forward, simply by reclining the back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

  The seat should be adjusted as recommended above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.
- The SRS front passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the front passenger is very close to the airbag. The front passenger seat should be as far from the airbag as possible with the seatback adjusted, so the front passenger sits upright.
- Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. Toyota strongly recommends that all infants and children be placed in the rear seats of the vehicle and properly restrained. The rear seats are safer for infants and children than the front passenger seat. (→P. 60)

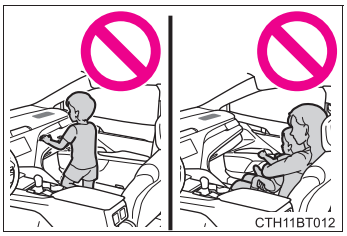
WARNING

■ **SRS airbag precautions**

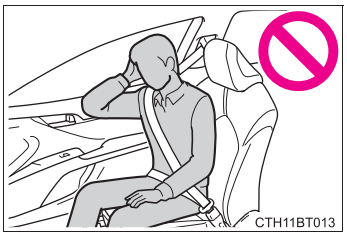
- Do not sit on the edge of the seat or lean against the dashboard.



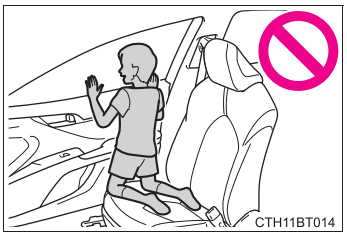
- Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger.
- Do not allow the front seat occupants to hold items on their knees.



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



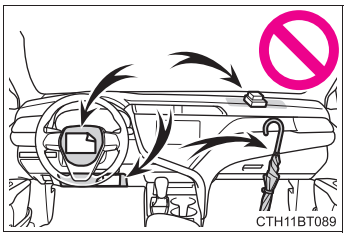
- Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle.



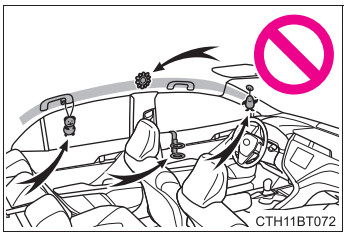
WARNING

■ **SRS airbag precautions**

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



- Do not attach anything to areas such as a door, windshield, windows, front or rear pillar, roof side rail and assist grip. (Except for the speed limit label →P. 551)



- Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and may cause death or serious injury, should the SRS curtain shield airbags deploy.

WARNING

■ SRS airbag precautions

- If a vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.
- Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the SRS airbags. Such accessories may prevent the side airbags from activating correctly, disable the system or cause the side airbags to inflate accidentally, resulting in death or serious injury.
- Do not strike or apply significant levels of force to the area of the SRS airbag components or the front doors.
  Doing so can cause the SRS airbags to malfunction.
- Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- If breathing becomes difficult after the SRS airbags have deployed, open a door or 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ Modification and disposal of SRS airbag system components

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

- Installation, removal, disassembly and repair of the SRS airbags
- Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard, seats or seat upholstery, front, side and rear pillars, roof side rails, front door panels, front door trims or front door speakers
- Modifications to the front door panel (such as making a hole in it)
- Repairs or modifications of the front fender, front bumper, or side of the occupant compartment
- Installation of a grille guard (bull bars, kangaroo bar, etc.), snow plows or winches
- Modifications to the vehicle's suspension system
- Installation of electronic devices such as mobile two-way radios (RF-transmitter) and CD players

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

- Slight abrasions, burns, bruising etc., may be sustained from SRS airbags, due to the extremely high speed deployment (inflation) by hot gases.
- A loud noise and white powder will be emitted.
- Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, parts of the front and rear pillars, and roof side rails, may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.
- The hybrid system will be stopped and fuel supply to the engine will be stopped. (→P. 106)
- All of the doors will be unlocked. (→P. 179)
- The brakes and stop lights will be controlled automatically. (→P. 348)
- Vehicles with eCall: If any of the following situations occur, the system is designed to send an emergency call* to the eCall control center, notifying them of the vehicle's location (without needing to push the "SOS" button) and an agent will attempt to speak with the occupants to ascertain the level of emergency and assistance required. If the occupants are unable to communicate, the agent automatically treats the call as an emergency and helps to dispatch the necessary emergency services. (→P. 83)
  - An SRS airbag is deployed.
  - A seat belt pretensioner is activated.
  - The vehicle is involved in a severe rear-end collision.

  *: In some cases, the call cannot be made. (→P. 86)

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

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

  However, this threshold velocity will be considerably higher in the following situations:
  - If the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact
  - If the vehicle is involved in an underride collision, such as a collision in which the front of the vehicle "underrides", or goes under, the bed of a truck
- Depending on the type of collision, it is possible that only the seat belt pretensioners will activate.

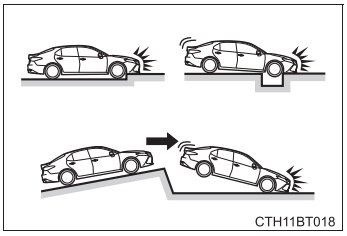
■ **SRS airbag deployment conditions (SRS side and curtain shield airbags)**

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

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

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

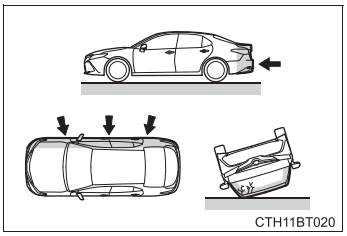
- Hitting a curb, edge of pavement or hard surface
- Falling into or jumping over a deep hole
- Landing hard or falling


CTH11BT018

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

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

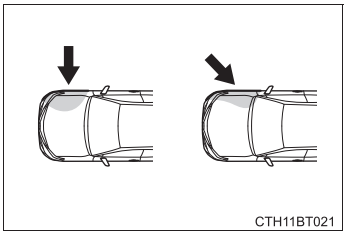
- Collision from the side
- Collision from the rear
- Vehicle rollover


CTH11BT020

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

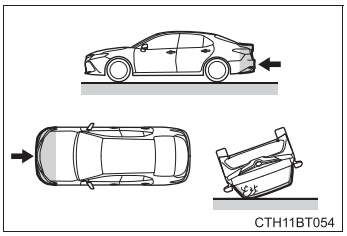
The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.

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


CTH11BT021

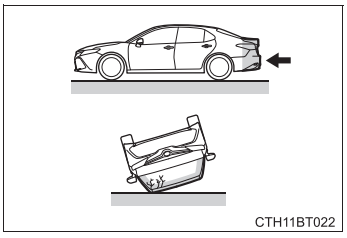
The SRS side airbags do not generally inflate if the vehicle is involved in a frontal or rear collision, if it rolls over, or if it is involved in a low-speed side collision.

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


CTH11BT054

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

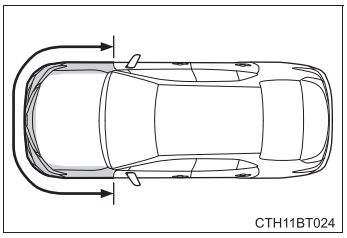
- Collision from the rear
- Vehicle rollover


CTH11BT022

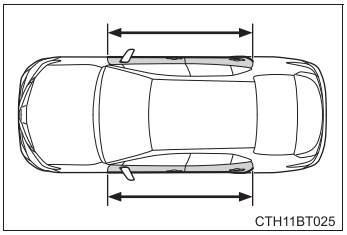
■ **When to contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer**

In the following cases, the vehicle will require inspection and/or repair. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

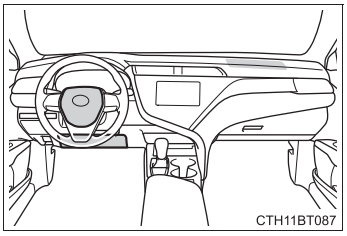
- Any of the SRS airbags have been inflated.
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS front airbags to inflate.


CTH11BT024

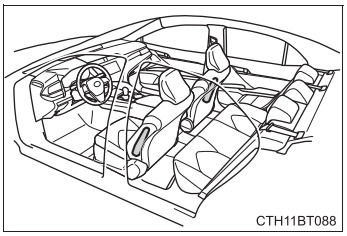
- A portion of a door or its surrounding area is damaged, deformed or has had a hole made in it, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.


CTH11BT025

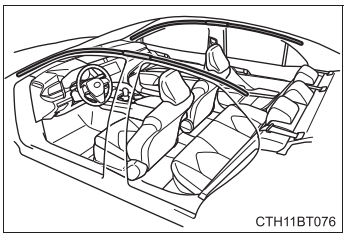
- The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.


CTH11BT087

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


CTH11BT088

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

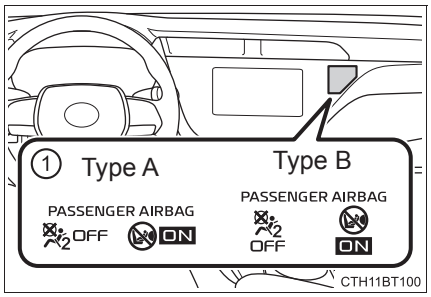


Airbag manual on-off system*

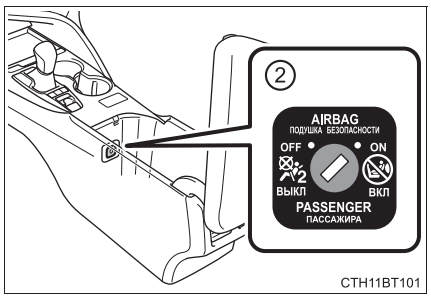
This system deactivates the front passenger airbag.
Only deactivate the airbag when using a child restraint system on the front passenger seat.

① “PASSENGER AIRBAG” indicator

The “ON” indicator light turns on when the airbag system is on, and about after 60 seconds it goes off (only when the power switch is in ON mode).



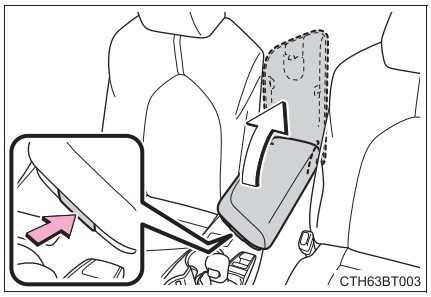
② Airbag manual on-off switch



*: If equipped

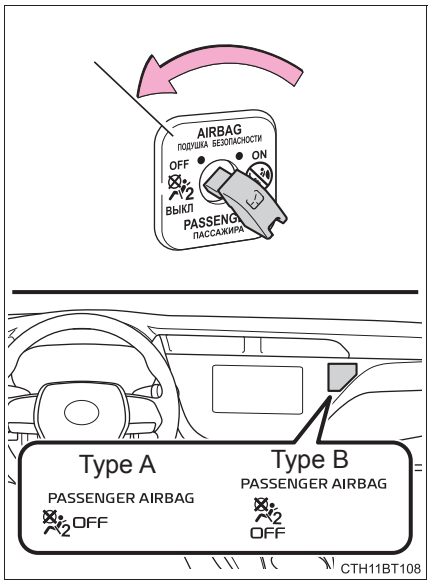
Deactivating the airbags for the front passenger

1 Push the knob.



2 Insert the mechanical key into the cylinder and turn to the “OFF” position.

The “OFF” indicator light turns on (only when the “POWER” switch is in ON mode).



■ “PASSENGER AIRBAG” indicator information

If any of the following problems occur, it is possible that there is a malfunction in the system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- The “OFF” indicator does not illuminate when the airbag manual on-off switch is set to “OFF”.
- The indicator light does not change when the airbag manual on-off switch is switched to “ON” or “OFF”.

WARNING

When installing a child restraint system

For safety reasons, always install a child restraint system in a rear seat. In the event that the rear seat cannot be used, the front seat can be used as long as the airbag manual on-off system is set to “OFF”.
If the airbag manual on-off system is left on, the strong impact of the airbag deployment (inflation) may cause serious injury or even death.

When a child restraint system is not installed on the front passenger seat

Ensure that the airbag manual on-off system is set to “ON”.
If it is left off, the airbag may not deploy in the event of an accident, which may result in serious injury or even death.

Exhaust gas precautions

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

⚠ WARNING

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

■ **Important points while driving**

- Keep the trunk lid closed.
- If you smell exhaust gases in the vehicle even when the trunk lid is closed, open the windows and have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

■ **When parking**

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

■ **Exhaust pipe**

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

Riding with children

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

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

⚠ WARNING

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

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

Child restraint systems

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

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

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When using a child restraint system ..... P. 62
Child restraint system compatibility for each seating position..... P. 66
Child restraint system installation method ..... P. 74
- Fixed with a seat belt ..... P. 76
- Fixed with an ISOFIX lower anchorage..... P. 79
- Using a top tether anchorage..... P. 81

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. 66)

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**

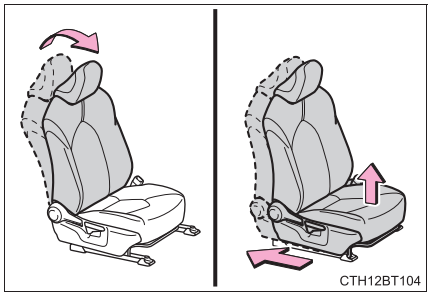
If the child restraint system is not properly fixed in place, the child or other passengers may be seriously injured or even killed in the event of sudden braking, sudden swerving, or an accident.

- If the vehicle were to receive a strong impact from an accident, etc., it is possible that the child restraint system has damage that is not readily visible. In such cases, do not reuse the restraint system.
- Depending on the child restraint system, installation may be difficult or impossible. In those cases, check whether the child restraint system is suitable for installment in the vehicle. (→P. 66) Be sure to install and observe the usage rules after carefully reading the child restraint system fixing method in this manual, as well as the operation manual enclosed with the child restraint system.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the trunk.

When using a child restraint system

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

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



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

  When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.
- If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.

  Otherwise, put the head restraint in the upper most position.
- Not suitable for child restraint systems with support leg.

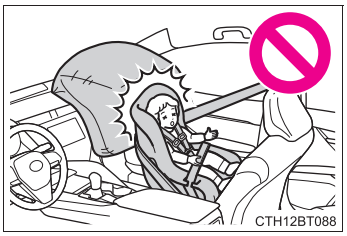
WARNING

■ **When using a child restraint system**

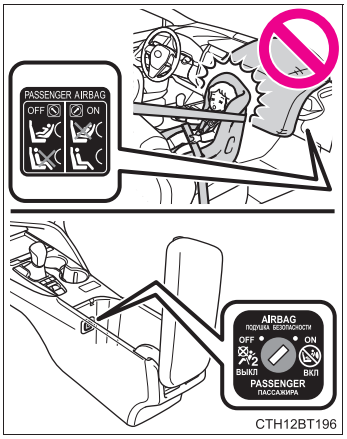
Observe the following precautions.
Failure to do so may result in death or serious injury.

- Vehicles without airbag manual on-off switch: 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.


CTH12BT088

- Vehicles with airbag manual on-off switch: Never use a rear-facing child restraint system on the front passenger seat when the airbag manual on-off switch is on. (→P. 55)
  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.

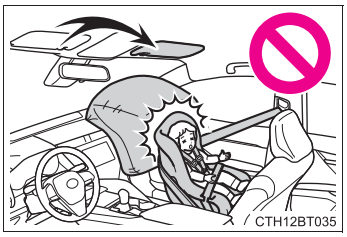


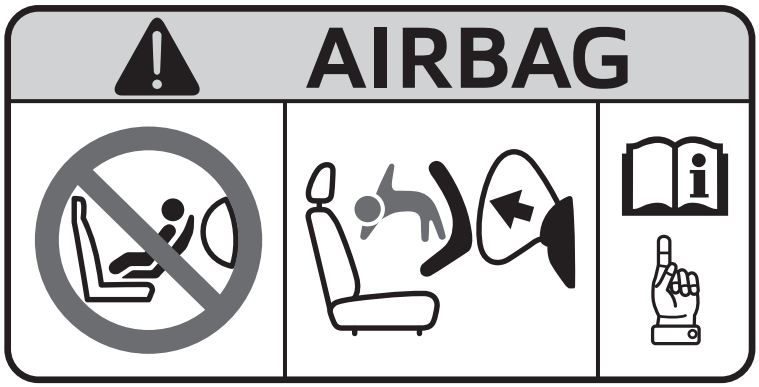
CTH12BT196

WARNING

■ When using a child restraint system

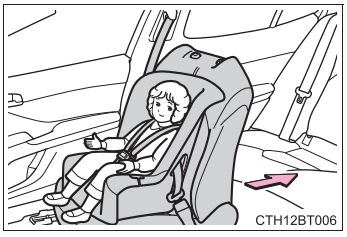
- There is a label(s) on the passenger side sun visor, indicating it is forbidden to attach a rear-facing child restraint system to the front passenger seat. Details of the label(s) are shown in the illustration below.


CTH12BT035



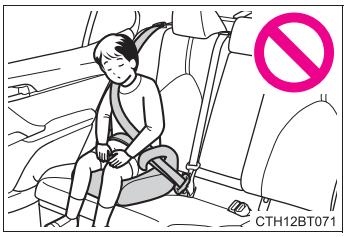
CTN17AG588

- 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).

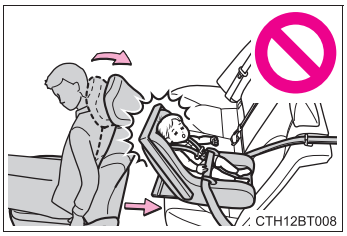

CTH12BT006

WARNING

■ When using a child restraint system



- 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 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). (→P. 68, 73)

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. 68) 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. 72)

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

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

1 Checking the child restraint system standards.

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

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

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

Example of the displayed regulation number

① UN(ECE) R44 approval mark*3
The weight range of the child who is applicable for an UN(ECE) R44 approval mark is indicated.

② UN(ECE) R129 approval mark*3
The height range of the child who is applicable as well as available weights for an UN(ECE) R129 approval mark is indicated.



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

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

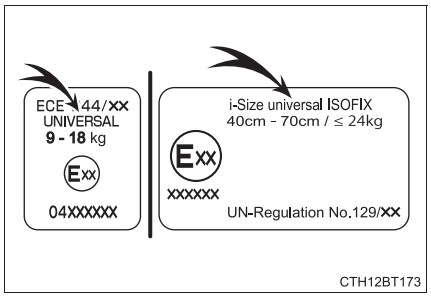
*3: The displayed mark may differ depending on the product.

2 Checking the category of the child restraint system.

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

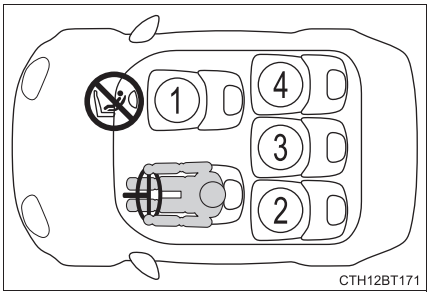
Also, if there are any uncertainties, check the user's guide included with the child restraint system or contact the retailer of the child restraint system.

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

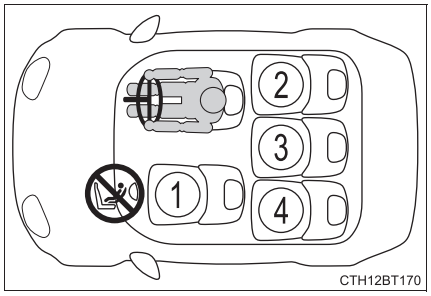


■ Compatibility of each seating position with child restraint systems

▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



	*4
*1, 2, 3, 5 ①	U L
*2, 3 ②	U L
*3, 5 ③	U L
*2, 3 ④	U L

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

Suitable for child restraint systems given on recommended child restraint systems and compatibility table (→P. 72)

Suitable for i-Size and ISOFIX child restraint system.

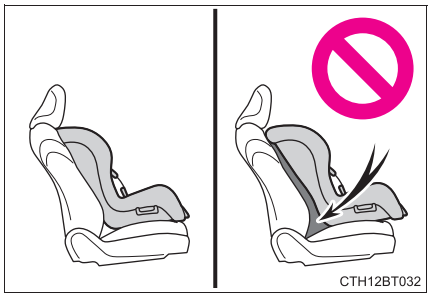
Includes a top tether anchorage point.

Vehicles without airbag manual on-off switch:
Never use a rear-facing child restraint system on the front passenger seat.

Vehicles with airbag manual on-off switch:
Never use a rear-facing child restraint system on the front passenger seat when the airbag manual on-off switch is on.

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

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


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

*4: Vehicles without airbag manual on-off switch: Use only a front-facing child restraint system.
Vehicles with airbag manual on-off switch: Use only a front-facing child restraint system when the airbag manual on-off switch is on.

*5: Not suitable for child restraint systems with support leg.

■ Detail information for child restraint systems installation

Seat position number	Seating position					
	①			②	③	④
	Vehicles without airbag manual on-off switch	Vehicles with airbag manual on-off switch				
		ON	OFF			
Seating position suitable for universal belted (Yes/No)	Yes Forward facing only	Yes Forward facing only	Yes	Yes	Yes	Yes
i-Size seating position (Yes/No)	No	No	No	Yes	No	Yes
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	No	No	No
Suitable rearward facing fixture (R1/R2X/R2/R3/No)	No	No	No	R1, R2X, R2, R3	No	R1, R2X, R2, R3
Suitable forward facing fixture (F2X/F2/F3/No)	No	No	No	F2X, F2, F3	No	F2X, F2, F3
Suitable junior seat fixture (B2/B3/No)	No	No	No	B2, B3	No	B2, B3

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

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

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

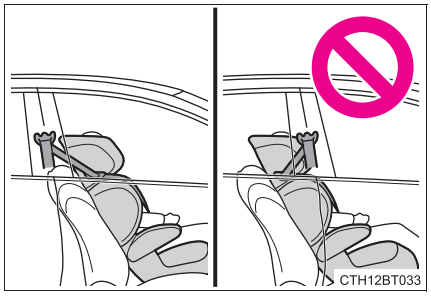
■ Recommended child restraint systems and Compatibility table

Mass groups	Recommended Child Restraint System	Seating position					
		①			②	③	④
		Vehicles without airbag manual on-off switch	Vehicles with airbag manual on-off switch				
			ON	OFF			
0, 0+ Up to 13 kg (28 lb.)	G0+, BABY SAFE PLUS (Yes/No)	No	No	Yes	Yes	Yes	Yes
	G0+ BABY SAFE PLUS with SEAT BELT FIXATION, BASE PLATFORM (Yes/No)	No	No	No	Yes	No	Yes
I 9 to 18 kg (20 to 39 lb.)	DUO PLUS (Yes/No)	Yes Belt fix only	Yes Belt fix only	Yes Belt fix only	Yes	No	Yes
II, III 15 to 36 kg (34 to 79 lb.)	KIDFIX XP SICT (Yes/No)	No	No	No	Yes	No	Yes
	MAXI PLUS (Yes/No)	Yes Belt fix only	Yes Belt fix only	Yes Belt fix only	Yes	No	Yes

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

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

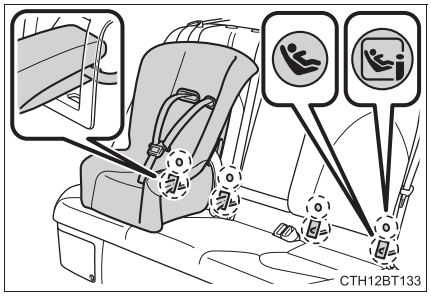
- When installing a child restraint in the rear seats, adjust the front seat so that it does not interfere with the child or child restraint system.
- When installing a child seat with support base, if the child seat interferes with the seatback when latching it into the support base, adjust the seatback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

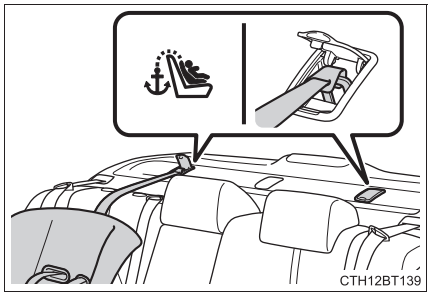
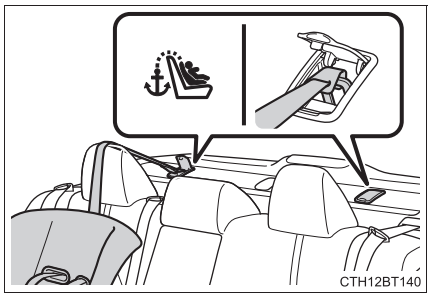


- When installing a junior seat, if the child in your child restraint system is in a very upright position, adjust the seatback angle to the most comfortable position. And if the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.

Child restraint system installation method

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

Installation method		Page
Seat belt attachment	 CTH12BT087	P. 76
ISOFIX lower anchorage attachment	 CTH12BT133	P. 79

Installation method		Page
Top tether anchorage attachment	▶ Seats with an adjustable type head restraint  ▶ Seats with an integrated type head restraint  	P. 81

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. 67, 68)

1 Adjust the seat

▶ When using the front passenger seat

If installing the child restraint system to the front passenger seat is unavoidable, refer to P. 62 for front passenger seat adjustment.

▶ When using the reclining type rear seat

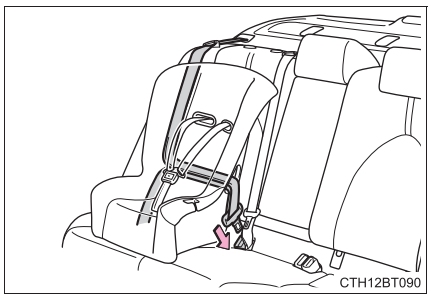
Adjust the seatback angle to the most upright position.

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

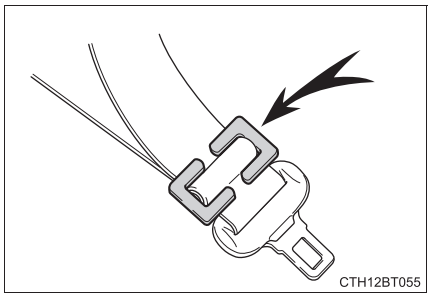
2 If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.

Otherwise, put the head restraint in the upper most position. (→P. 227)

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



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



5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P. 78)

■ 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

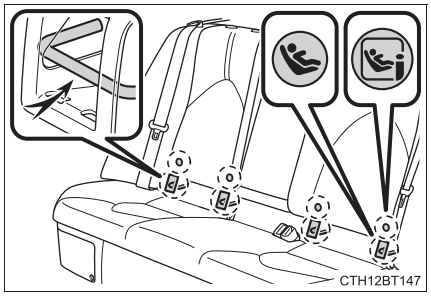
Observe the following precautions.
Failure to do so may result in death or serious injury.

- 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 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. 67, 68)

1 Adjust the seat

▶ When using the reclining type rear seat

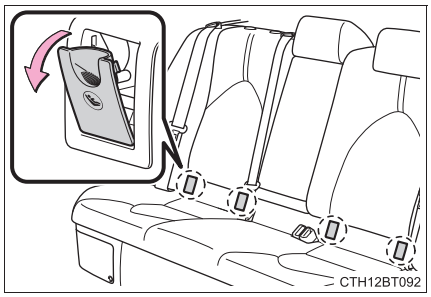
Adjust the seatback angle to the most upright position.

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

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

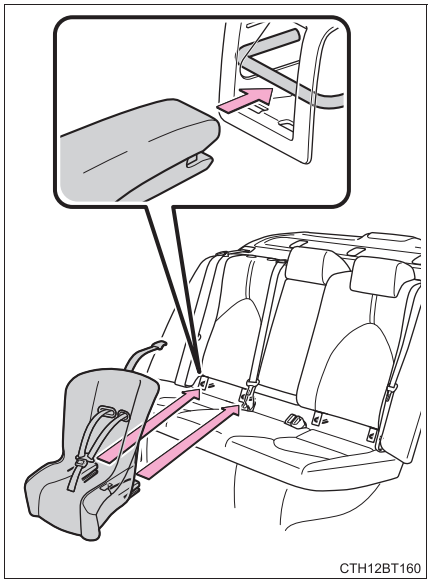
Otherwise, put the head restraint in the upper most position. (→P. 227)

3 Remove the anchorage covers.



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

The bars are installed behind the anchorage covers.



5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P. 78)

WARNING

■ When installing a child restraint system

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

- After securing a child restraint system, never adjust the seat.
- When using the lower 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.

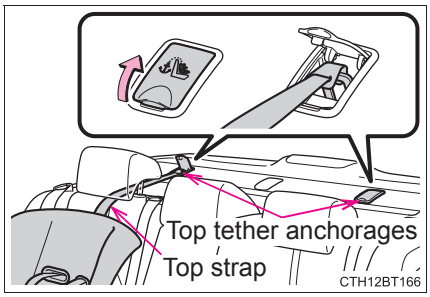
Using a top tether anchorage

■ Top tether anchorages

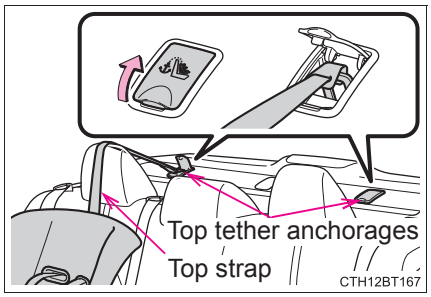
Top tether anchorages are provided for the rear outboard seats.

Use top tether anchorages when fixing the top strap.

- ▶ Seats with an adjustable type head restraint



- ▶ Seats with an integrated type head restraint

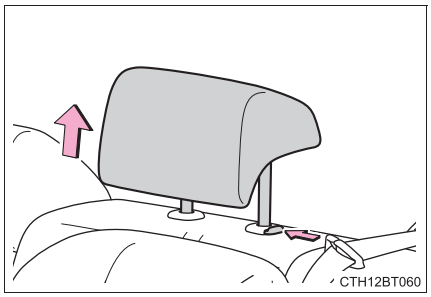


■ Fixing the top strap to the top tether anchorage

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

1 Adjust the head restraint to the upmost position.

If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.
Otherwise, put the head restraint in the upper most position. (→P. 227)

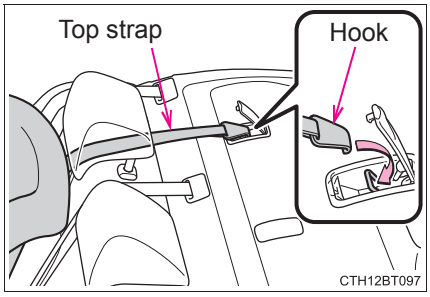


2 Open the top tether anchorage cover, latch the hook onto the top tether anchorage and tighten the top strap.

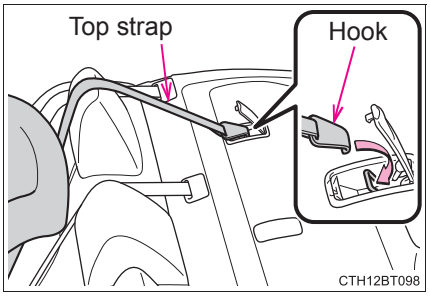
Make sure the top strap is securely latched. (→P. 78)

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

▶ Seats with an adjustable type head restraint



▶ Seats with an integrated type head restraint



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.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.
- When installing the child restraint system with the head restraint being raised, after the head restraint has been raised and then the top tether anchorage has been fixed, do not lower the head restraint.

NOTICE

■ Top tether anchorage

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

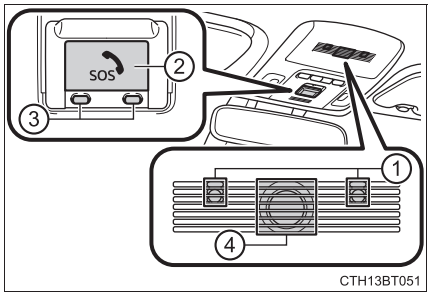
eCall*

eCall is a telematics service that uses Global Navigation Satellite System (GNSS) data and embedded cellular technology to enable the following emergency calls to be made: Automatic emergency calls (Automatic Collision Notification) and manual emergency calls (by pressing the "SOS" button). The system operates within the eCall coverage. This service is required by European Union Regulations. The system name differs depending on the country.

System components

① Microphone
② "SOS" button*
③ Indicator lights
④ Speaker

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



*: If equipped

Emergency Notification Services

■ Automatic Emergency Calls

If any airbag deploys, the system is designed to automatically call the eCall control center.*

The answering operator receives the vehicle's location, the time of the incident and the vehicle VIN, and attempts to speak with the vehicle occupants to assess the situation.

If the occupants are unable to communicate, the operator automatically treats the call as an emergency and contacts the nearest emergency services provider (112 system etc.) to describe the situation and request that assistance be sent to the location.

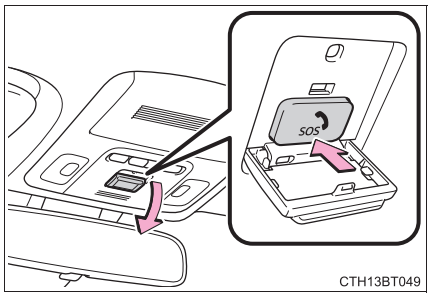
*: In some cases, the call cannot be made. (→P. 86)

■ Manual Emergency Calls

In the event of an emergency, press the "SOS" button to call the eCall control center.*

The answering operator will determine your vehicle's location, assess the situation, and dispatch the necessary assistance required.

Make sure to open the cover before pressing the "SOS" button.



If you accidentally press the "SOS" button, tell the operator that you are not experiencing an emergency.

*: In some cases, the call cannot be made. (→P. 86)

Indicator lights

When the power switch is turned to ON, the red indicator light will illuminate for 10 seconds and then the green indicator light will illuminate, indicating that the system is enabled. The indicator lights indicate the following:

- If the green indicator light illuminates and stays on, the system is enabled.
- If the green indicator light flashes twice per second, an automatic or manual Emergency Call is being made.
- If no indicator lights illuminate, the system is not enabled.
- If the red indicator light illuminates at any time other than immediately after the power switch is turned to ON, the system may be malfunctioning or the backup battery may be depleted.
- If the red indicator light blinks for approximately 30 seconds during an Emergency Call, the call has been disconnected or the cellular network signal is weak.

The service life of the backup battery does not exceed 3 years.

Free/Open Source Software Information

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

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

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

WARNING

■ When the Emergency Call may not be made

- It may not be possible to make Emergency Calls in any of the following situations. In such cases, report to emergency services provider (112 system etc.) by other means such as nearby public phones.
  - Even when the vehicle is in the cellular phone service area, it may be difficult to connect to the eCall control center if the reception is poor or the line is busy. In such cases, even though the system attempts to connect to the eCall control center, you may not be able to connect to the eCall control center to make Emergency Calls and contact emergency services.
  - When the vehicle is out of the cellular phone service area, the Emergency Calls cannot be made.
  - When any related equipment (such as the “SOS” button panel, indicator lights, microphone, speaker, DCM, antenna, or any wires connecting the equipment) is malfunctioning, damaged or broken, the Emergency Call cannot be made.
  - During an Emergency Call, the system makes repeated attempts to connect to the eCall control center. However, if it cannot connect to the eCall control center due to poor radio wave reception, the system may not be able to connect to the cellular network and the call may finish without connecting. The red indicator light will blink for approximately 30 seconds to indicate this disconnection
- If the 12-volt battery’s voltage decreases or there is a disconnection, the system may not be able to connect to the eCall control center.

WARNING

■ **When the Emergency Call system is replaced with a new one**

The Emergency Call system should be registered. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **For your safety**

- Please drive safely.
  The function of this system is to assist you in making the Emergency Call in case of accidents such as traffic accidents or sudden medical emergencies, and it does not protect the driver or passengers in any way. Please drive safely and fasten your seatbelts at all times for your safety.
- In case of an emergency, make lives the top priority.
- If you smell anything burning or other unusual smells, leave the vehicle and evacuate to a safe area immediately.
- If the airbags deploy when the system is operating normally, the system makes emergency call. The system also makes emergency call when the vehicle is struck from the rear, even if the airbags do not deploy.
- For safety, do not make the Emergency Call while driving.
  Making calls during driving may cause mishandling of the steering wheel, which may lead to unexpected accidents. Stop the vehicle and confirm the safety of your surroundings before making the Emergency Call.
- When changing fuses, please use the specified fuses. Using other fuses may cause ignition or smoke in the circuit and lead to a fire.
- Using the system while there is smoke or an unusual smell may cause a fire. Stop using the system immediately and consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

NOTICE

■ **To prevent damage**

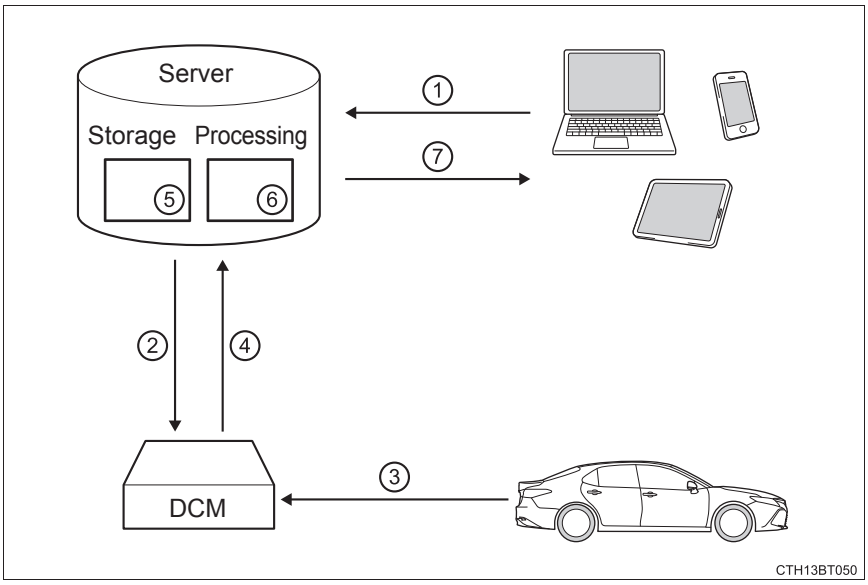
Do not pour any liquids onto the “SOS” button panel, etc. and do not impact it.

■ **If the “SOS” button panel, speaker or microphone malfunctions during an Emergency Call or manual maintenance check**

It may not be possible to make Emergency Calls, confirm the system status, or communicate with the eCall control center operator. If any of the above equipment is damaged, please consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

System overview of added service

■ Data processing flow



① Customer activates service on Toyota Customer portal & accepts terms of services according to GDPR.

② Server activates the service in the DCM and defines which vehicle data to collect.

③ Defined vehicle data is collected by the DCM.

④ Data is shared with the server.

⑤ Data is stored in the server.

⑥ Data is processed in the server for fulfilling the service.

⑦ Processed data is presented to the customer.

For a list of eligible service please visit the Toyota Customer portal.

Implementing Regulation

Implementing Regulation Annex1 PART3 User Information			Conformity
1. DESCRIPTION OF THE ECALL IN-VEHICLE SYSTEM			
	1.1.	Overview of the 112-based eCall in-vehicle system, its operation and functionalities	O
	1.2.	The 112-based eCall service is a public service of general interest and is accessible free of charge.	O
	1.3.	The 112-based eCall in-vehicle system is activated by default. It is activated automatically by means of in-vehicle sensors in the event of a severe accident. It will also be triggered automatically when the vehicle is equipped with a TPS system which does not function in the event of a severe accident.	O
	1.4.	The 112-based eCall in-vehicle system can also be triggered manually, if needed. Instructions for manual activation of the system	O
	1.5.	In the event of a critical system failure that would disable the 112-based eCall in-vehicle system, the following warning will be given to the occupants of the vehicle	O

Implementing Regulation Annex1 PART3 User Information			Conformity
2. INFORMATION ON DATA PROCESSING			
	2.1.	Any processing of personal data through the 112-based eCall in-vehicle system shall comply with the personal data protection rules provided for in Directives 95/46/EC and 2002/58/EC, and in particular, shall be based on the necessity to protect the vital interests of the individuals in accordance with Article 7(d) of Directive 95/46/EC.	O
	2.2.	Processing of such data is strictly limited to the purpose of handling the emergency eCall to the single European emergency number 112.	O
	2.3. Types of data and its recipients		
	2.3.1.	The 112-based eCall in-vehicle system may collect and process only the following data: Vehicle Identification Number, Vehicle type (passenger vehicle or light commercial vehicle), Vehicle propulsion storage type (gasoline/diesel/CNG/LPG/electric/hydrogen), Vehicle last three locations and direction of travel, Log file of the automatic activation of the system and its timestamp	O
	2.3.2.	Recipients of data processed by the 112-based eCall in-vehicle system are the relevant public safety answering points designated by the respective public authorities of the country on which territory they are located, to first receive and handle eCalls to the single European emergency number 112.	O

Implementing Regulation Annex1 PART3 User Information			Conformity
	2.4. Arrangements for data processing		
	2.4.1.	The 112-based eCall in-vehicle system is designed in such a way as to ensure that the data contained in the system memory is not available outside the system before an eCall is triggered.	O
	2.4.2.	The 112-based eCall in-vehicle system is designed in such a way as to ensure that it is not traceable and not subject to any constant tracking in its normal operation status.	O
	2.4.3.	The 112-based eCall in-vehicle system is designed in such a way as to ensure that data in the system internal memory is automatically and continuously removed.	O
	2.4.3.1.	The vehicle location data is constantly overwritten in the internal memory of the system so as always to keep maximum of the last three up-to-date locations of the vehicle necessary for the normal functioning of the system.	O
	2.4.3.2.	The log of activity data in the 112-based eCall in-vehicle system is kept for no longer than necessary for attaining the purpose of handling the emergency eCall and in any case not beyond 13 hours from the moment an emergency eCall was initiated.	O

Implementing Regulation Annex1 PART3 User Information			Conformity
	2.5. Modalities for exercising data subject's rights		
	2.5.1.	The data subject (the vehicle's owner) has a right of access to data and as appropriate to request the rectification, erasure or blocking of data, concerning him or her, the processing of which does not comply with the provisions of Directive 95/46/EC. Any third parties to whom the data have been disclosed have to be notified of such rectification, erasure or blocking carried out in compliance with this Directive, unless it proves impossible or involves a disproportionate effort.	O
	2.5.2.	The data subject has a right to complain to the competent data protection authority if he or she considers that his or her rights have been infringed as a result of the processing of his or her personal data.	O
	2.5.3.	Contact service responsible for handling access requests (if any): →P. 94	O

Implementing Regulation Annex1 PART3 User Information			Conformity
3. INFORMATION ON THIRD PARTY SERVICES AND OTHER ADDED VALUE SERVICES (IF FITTED)			
	3.1.	Description of the operation and the functionalities of the TPS system/added value service	→P. 88
	3.2.	Any processing of personal data through the TPS system/other added value service shall comply with the personal data protection rules provided for in Directives 95/46/EC and 2002/58/EC.	O
	3.2.1.	Legal basis for the use of TPS system and/or added value services and for processing data through them	The European Union General Data Protection Regulation
	3.3.	The TPS system and/or other added value services shall process personal data only on the base of the explicit consent of the data subject (the vehicle's owner or owners).	O
	3.4.	Modalities for data processing through TPS system and/or other added value services, including any necessary additional information regarding traceability, tracking and processing of personal data	→P. 88
	3.5.	The owner of a vehicle equipped with a TPS eCall system and/or other added value service in addition to the 112-based eCall in-vehicle system has the right to choose to use the 112-based eCall in-vehicle system rather than the TPS eCall system and the other added value service.	O
	3.5.1.	Contact details for handling TPS eCall system deactivation requests	N/A

■ **Service responsible for handling access requests**

Country	Contact information
Austria	datenschutz@toyota-frey.at
Belgium/Luxembourg	privacy@toyota.be
Croatia	dpcp@toyota.hr
Czech Republic/ Hungary/Slovakia	adatvedelem@toyota-ce.com
Denmark	toyota@toyota.dk og
Estonia	privacy@toyota.ee
Finland	tietosuoja@toyota.fi
France	delegue.protectiondonnees@toyota-europe.com
Germany	Toyota.Datenschutz@toyota.de
Great Britain	privacy@tgb.toyota.co.uk
Greece	customer@toyota.gr
Iceland	personuvernd@toyota.is
Ireland	customerservice@toyota.ie
Italy	tmi.dpo@toyota-europe.com
Netherlands	www.toyota.nl/klantenservice
Norway	personvern@toyota.no
Poland	klient@toyota.pl
Portugal	gestaodadospessoais@toyotacaetano.pt
Romania	relatii.clienti@toyota.ro
Slovenia	dpcp@toyota.si
Spain	clientes@toyota.es / dpo@toyota.es.
Sweden	integritet@toyota.se
Switzerland	info@toyota.ch

Certification for eCall

Manufacturer: DENSO CORPORATION Address: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661, Japan Model: OGEU47 Operation frequency: GSM900 Tx: 880-915MHz, Rx: 925-960 MHz GSM1800 Tx: 1710-1785MHz, Rx: 1805-1880 MHz W-CDMA Band1 Tx: 1920-1980MHz, Rx: 2110-2170 MHz W-CDMA Band8 Tx: 880-915MHz, Rx: 925-960 MHz GPS 1575.42MHz GALILEO 1575.42MHz EGNOS 1575.42MHz Maximum output power: GSM900 2W GSM1800 1W W-CDMA Band1 0.25W W-CDMA Band8 0.25W
Hereby, DENSO CORPORATION declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.denso.com/global/en/contact-us/doc/ 01
DENSO CORPORATION vakuuttaa, että radiolaitetyyppi on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://www.denso.com/global/en/contact-us/doc/ 02
Hierbij verklaar ik, DENSO CORPORATION, dat het type radioapparatuur conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://www.denso.com/global/en/contact-us/doc/ 03
Le soussigné, DENSO CORPORATION, déclare que l'équipement radioélectrique du type est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.denso.com/global/en/contact-us/doc/ 04

Härmed försäkrar DENSO CORPORATION att denna typ av radioutrustning överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.denso.com/global/en/contact-us/doc/ 05
Hermed erklærer DENSO CORPORATION, at radioudstyrstypen er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.denso.com/global/en/contact-us/doc/ 06
Hiermit erklärt DENSO CORPORATION, dass der Funkanlagentyp der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.denso.com/global/en/contact-us/doc/ 07
Με την παρούσα ο/η DENSO CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.denso.com/global/en/contact-us/doc/ 08
Il fabbricante, DENSO CORPORATION, dichiara che il tipo di apparecchiatura radio è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.denso.com/global/en/contact-us/doc/ 09
Por la presente, DENSO CORPORATION declara que el tipo de equipo radioeléctrico es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.denso.com/global/en/contact-us/doc/ 10

O(a) abaixo assinado(a) DENSO CORPORATION declara que o presente tipo de equipamento de rádio está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://www.denso.com/global/en/contact-us/doc/ 11
B'dan, DENSO CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.denso.com/global/en/contact-us/doc/ 12
Käesolevaga deklareerib DENSO CORPORATION, et käesolev raadioseadme tüüp vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://www.denso.com/global/en/contact-us/doc/ 13
DENSO CORPORATION igazolja, hogy a típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://www.denso.com/global/en/contact-us/doc/ 14
DENSO CORPORATION týmto vyhlásuje, že rádiové zariadenie typu je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.denso.com/global/en/contact-us/doc/ 15
Tímto DENSO CORPORATION prohlašuje, že typ rádiového zařízení je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.denso.com/global/en/contact-us/doc/ 16

DENSO CORPORATION potrjuje, da je tip radijske opreme skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.denso.com/global/en/contact-us/doc/ 17
Aš, DENSO CORPORATION, patvirtinu, kad radijo įrenginių tipas atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.denso.com/global/en/contact-us/doc/ 18
Ar šo DENSO CORPORATION deklarē, ka radioiekārta atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.denso.com/global/en/contact-us/doc/ 19
DENSO CORPORATION niniejszym oświadcza, że typ urządzenia radiowego jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.denso.com/global/en/contact-us/doc/ 20
Hér með lýsir DENSO CORPORATION yfir því að er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: https://www.denso.com/global/en/contact-us/doc/ 21
DENSO CORPORATION erklærer at er i overensstemmelse med direktiv 2014/53/EU. Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse: https://www.denso.com/global/en/contact-us/doc/ 22
С настоящото DENSO CORPORATION декларира, че този тип радиосъоръжение е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.denso.com/global/en/contact-us/doc/ 23

Prin prezenta, DENSO CORPORATION declară că tipul de echipamente radio este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.denso.com/global/en/contact-us/doc/ 24
DENSO CORPORATION ovime izjavljuje da je radijska oprema tipa u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://www.denso.com/global/en/contact-us/doc/ 25
Овиме, DENSO CORPORATION изјављује да је радио опрема тип усаглашена са Директивом 2014/53/EU. Цео текст ЕУ декларације о усаглашености доступам је на следећој интернет адреси: https://www.denso.com/global/en/contact-us/doc/ 26
Amb aquest document, DENSO CORPORATION declara que el tipus d'equipament radioelèctric es conforme a la Directiva 2014/53/UE. El text complet de la declaració UE de conformitat està disponible en la següent adreça d'Internet: https://www.denso.com/global/en/contact-us/doc/ 27
İşbu belge; DENSO CORPORATION telsiz ekipmanı tipinin 2014/53/AB sayılı Direktif'e uygun olduğunu beyan eder. AB uygunluk beyanının tam metni aşağıdaki internet adresinde mevcuttur: https://www.denso.com/global/en/contact-us/doc/ 28
Nepermjet kesaj, DENSO CORPORATION, deklaroj qe ky OGEU47 eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC. 29
CE The latest "DECLARATION of CONFORMITY" (DoC) is available at the following address: https://www.denso.com/global/en/contact-us/doc/ 30

■ **Consumer Protection Law**

מוצר : נתונים תקשורת מודול

סימן רשום : DENSO

ארץ ייצור : ראה מוצר

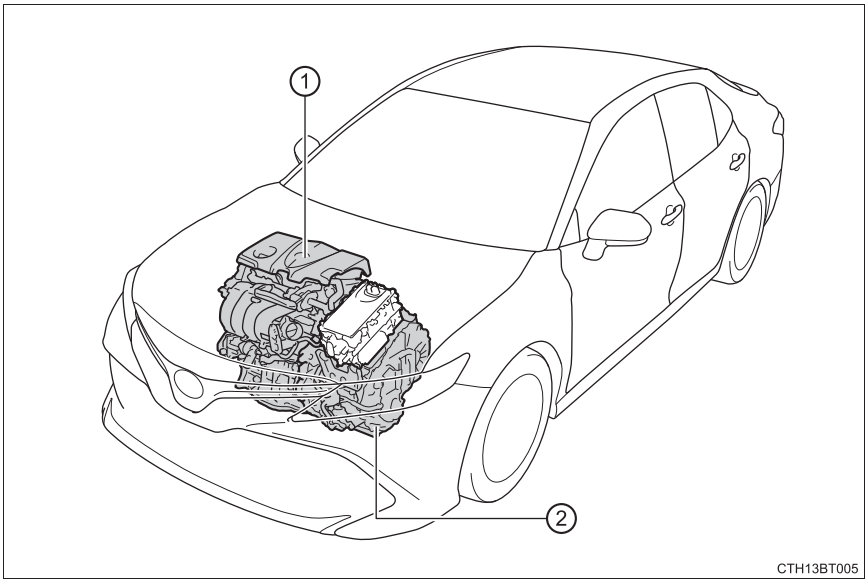
דגם : OGEU47

שנת ייצור : ראה מוצר

Hybrid system features

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

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



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

① Gasoline engine

② Electric motor (traction motor)

When stopped/during start off

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

When 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. 103)

During normal driving

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

When accelerating sharply

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

When braking (regenerative braking)

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

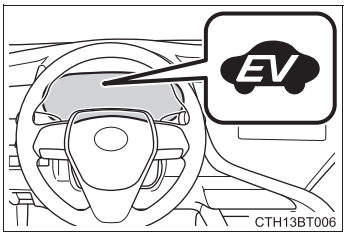
■ **Regenerative braking**

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

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

■ **EV indicator**

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



■ **Conditions in which the gasoline engine may not stop**

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

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

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

■ **Charging the hybrid battery (traction battery)**

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

■ **Charging the 12-volt battery**

→P. 583

■ **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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Sounds and vibrations specific to a hybrid vehicle**

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

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

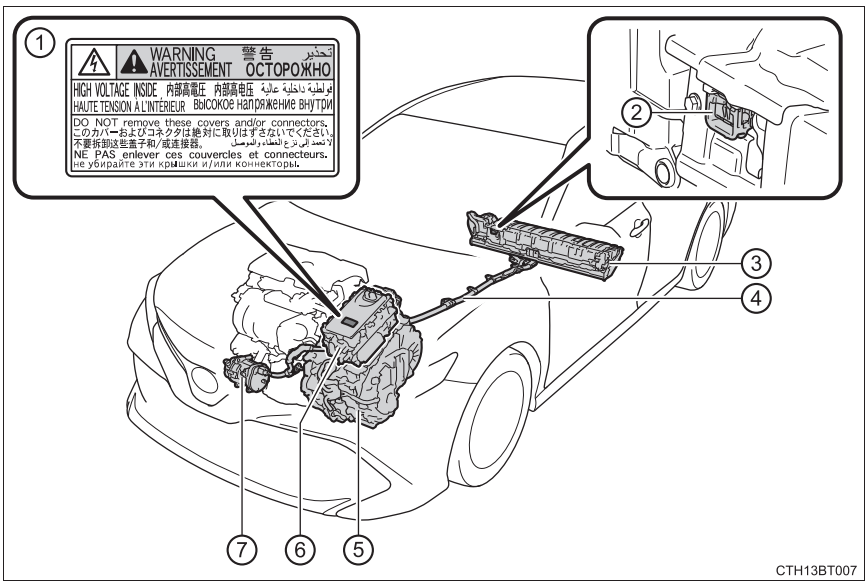
- Motor sounds may be heard from the engine compartment.
- Sounds may be heard from the hybrid battery (traction battery) under the rear seats when the hybrid system starts or stops.
- Relay operating sounds such as a snap or soft clank will be emitted from the hybrid battery (traction battery), under the rear seats, when the hybrid system is started or stopped.
- Sounds from the hybrid system may be heard when the trunk lid is open.
- Sounds may be heard from the transmission when the gasoline engine starts or stops, when driving at low speeds, or during idling.
- Engine sounds may be heard when accelerating sharply.
- Sounds may be heard due to regenerative braking when the brake pedal is depressed or as the accelerator pedal is released.
- Vibration may be felt when the gasoline engine starts or stops.
- Cooling fan sounds may be heard from the air intake vent. (→P. 106)

■ **Maintenance, repair, recycling, and disposal**

Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer regarding maintenance, repair, recycling and disposal. Do not dispose of the vehicle yourself.

Hybrid system precautions

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

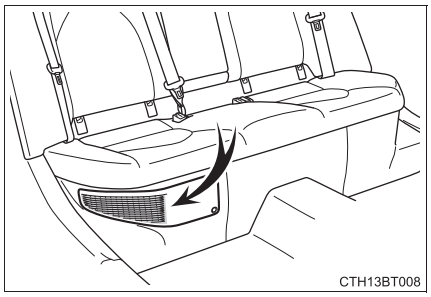


The illustration is an example for explanation and may differ from the actual item.

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

Hybrid battery (traction battery) air intake vent

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



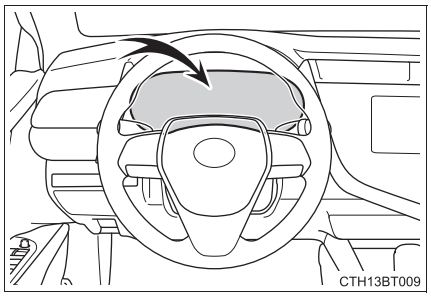
Emergency shut off system

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

Hybrid warning message

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

If a warning message is shown on the multi-information display, read the message and follow the instructions. (→P. 538)



■ **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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **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. 533) 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 8.8 L [2.3 gal., 1.9 Imp. gal.] when the vehicle is on a level surface. This value may vary when the vehicle is on a slope. Add extra fuel when the vehicle is inclined.)

■ **Electromagnetic waves**

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

■ **Hybrid battery (traction battery)**

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

■ **Declaration of conformity**

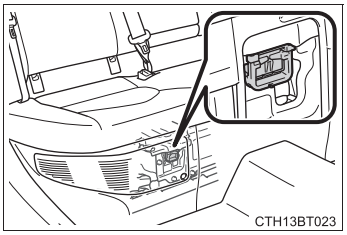
This model conforms to hydrogen emissions according to regulation ECE100 (Battery electric vehicle safety).

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.
- Do not touch the service plug located under the right side of the rear seat. The service plug is used only when the vehicle is serviced and is subject to high voltage.



WARNING

■ **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 fluid leak occurs, do not touch the fluid as it may be strong alkaline electrolyte from the hybrid battery (traction battery). If it comes into contact with your skin or eyes, wash it off immediately with a large amount of water or, if possible, boric acid solution. Seek immediate medical attention.
- If 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.
- If a fire occurs in the hybrid vehicle, leave the vehicle as soon as possible. Never use a fire extinguisher that is not meant for electric fires. Using even a small amount of water may be dangerous.
- If your vehicle needs to be towed, do so with front wheels raised. If the wheels connected to the electric motor (traction motor) are on the ground when towing, the motor may continue to generate electricity. This may cause a fire. (→P. 525)
- Carefully inspect the ground under the vehicle. If you find that liquid has leaked onto the ground, the fuel system may have been damaged. Leave the vehicle as soon as possible.

WARNING

■ Hybrid battery (traction battery)

● Never resell, hand over or modify the hybrid battery. To prevent accidents, hybrid batteries that have been removed from a disposed vehicle are collected through any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Do not dispose of the battery yourself.

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

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

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

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

NOTICE

■ Hybrid battery (traction battery) air intake vent

- Make sure not to block the air intake vent with anything, such as a seat cover, plastic cover, or luggage. The hybrid battery (traction battery) may overheat and be damaged.
- When dust etc. has accumulated in the air intake vent, clean it with a vacuum cleaner to prevent the vent from clogging.
- Do not get water or foreign materials in the air intake vent as this may cause a short circuit and damage the hybrid battery (traction battery).
- Do not carry large amounts of water such as water cooler bottles in the vehicle. If water spills onto the hybrid battery (traction battery), the battery may be damaged. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- There is a filter installed to the air intake vent. When the filter remains noticeably dirty even after cleaning the air intake vent, filter cleaning or replacement is recommended. When cleaning the filter, refer to P. 502.

Immobilizer system

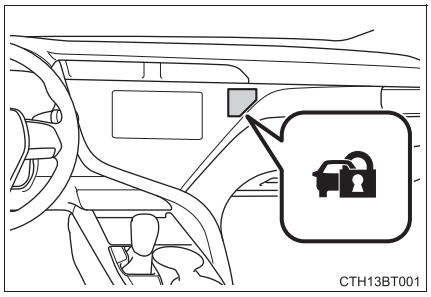
The vehicle's keys have built-in transponder chips that prevent the hybrid system from starting if a key has not been previously registered in the vehicle's on-board computer.

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

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

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

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



■ **System maintenance**

The vehicle has a maintenance-free type immobilizer system.

■ **Conditions that may cause the system to malfunction**

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

Certifications for the engine immobilizer system

Hereby, TOYOTA MOTOR CORPORATION declares that the radio equipment type TMIMB-3 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
http://my.toyota.eu

Frequency band: 119 - 135 kHz
Maximum radio-frequency power: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION vakuuttaa, että radiolaitetyyppi TMIMB-3 on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
http://my.toyota.eu

Radiotaajuus: 119 - 135 kHz
suurin mahdollinen lähetysteho: 55dBμA/m @10m

Hierbij verklaar ik, TOYOTA MOTOR CORPORATION, dat het type radioapparatuur TMIMB-3 conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
http://my.toyota.eu

Frequentieband: 119 - 135 kHz
Maximaal radiofrequentievermogen: 55dBμA/m @10m

Le soussigné, TOYOTA MOTOR CORPORATION, déclare que l'équipement radioélectrique du type TMIMB-3 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://my.toyota.eu Bande de fréquences: 119 - 135 kHz Puissance de radiofréquence maximale: 55dBμA/m @10m
Härmed försäkrar TOYOTA MOTOR CORPORATION att denna typ av radioutrustning TMIMB-3 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://my.toyota.eu Frekvensband: 119 - 135 kHz Maximal radiofrekvenseffekt: 55dBμA/m @10m
Hermed erklærer TOYOTA MOTOR CORPORATION, at radioudstyrstypen TMIMB-3 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://my.toyota.eu Frekvensbånd: 119 - 135 kHz Maksimal radiofrekvenseffekt: 55dBμA/m @10m

Hiermit erklärt TOYOTA MOTOR CORPORATION, dass der Funkanlagentyp TMIMB-3 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://my.toyota.eu Frequenzband: 119 - 135 kHz Abgestrahlte maximale Sendeleistung: 55dBμA/m @10m
Με την παρούσα ο/η TOYOTA MOTOR CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός TMIMB-3 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://my.toyota.eu Ζώνη συχνοτήτων: 119 - 135 kHz Μέγιστη ισχύς ραδιοσυχνότητας: 55dBμA/m @10m
Il fabbricante, TOYOTA MOTOR CORPORATION, dichiara che il tipo di apparecchiatura radio TMIMB-3 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://my.toyota.eu Banda di frequenza: 119 - 135 kHz Potenza massima radiofrequenza: 55dBμA/m @10m

Por la presente, TOYOTA MOTOR CORPORATION declara que el tipo de equipo radioeléctrico TMIMB-3 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://my.toyota.eu Banda de frecuencia: 119 - 135 kHz Potencia máxima de radiofrecuencia: 55dBμA/m @10m
O(a) abaixo assinado(a) TOYOTA MOTOR CORPORATION declara que o presente tipo de equipamento de rádio TMIMB-3 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://my.toyota.eu Banda de frequência: 119 - 135 kHz Potência máxima de radiofrequências: 55dBμA/m @10m
B'dan, TOYOTA MOTOR CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju TMIMB-3 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://my.toyota.eu Tíðnisvið: 119 - 135 kHz Hámarks útvarpsbylgjutíðni: 55dBμA/m @10m

Käesolevaga deklareerib TOYOTA MOTOR CORPORATION, et käesolev raadioseadme tüüp TMIMB-3 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://my.toyota.eu Sagedusriba: 119 - 135 kHz Maksimaalne saatevõimsus: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION igazolja, hogy a TMIMB-3 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://my.toyota.eu Frekvenciasáv: 119 - 135 kHz Maximális jelerősség: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION týmto vyhlasuje, že rádiové zariadenie typu TMIMB-3 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://my.toyota.eu Frekvenčné pásmo: 119 - 135 kHz Maximálny rádiofrekvenčný výkon: 55dBµA/m @10m

Tímto TOYOTA MOTOR CORPORATION prohlašuje, že typ rádiového zařízení TMIMB-3 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://my.toyota.eu Kmitočtové pásmo: 119 - 135 kHz Maximální radiofrekvenční výkon: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION potrjuje, da je tip radijske opreme TMIMB-3 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://my.toyota.eu Frekvenčni pas: 119 - 135 kHz Največja moč radijske frekvence: 55dBμA/m @10m
Aš, TOYOTA MOTOR CORPORATION, patvirtinu, kad radijo įrenginių tipas TMIMB-3 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://my.toyota.eu Dažnių juosta: 119 - 135 kHz Didžiausia radijo dažnių galia: 55dBμA/m @10m

Ar šo TOYOTA MOTOR CORPORATION deklarē, ka radioiekārta TMIMB-3 atbilst Direktīvai 2014/53/ES.

Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē:
http://my.toyota.eu

Frekvenču josla: 119 - 135 kHz
Maksimālā radiofrekvenču jauda: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION niniejszym oświadcza, że typ urządzenia radiowego TMIMB-3 jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:
http://my.toyota.eu

Zakres częstotliwości: 119 - 135 kHz
Maksymalna moc częstotliwości radiowej: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION lýsir því hér með yfir að fjarskiptatækið af gerð TMIMB-3 er í samræmi við tilskipun 2014/53/EU.

Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð:
http://my.toyota.eu

Tíðnisvið: 119 - 135 kHz
Hámarks útvarpsbylgjutíðni: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION erklærer herved at radioutstyrtypen TMIMB-3 er i samsvar med direktivet 2014/53/EU.

Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet:
http://my.toyota.eu

Frekvensbånd: 119 - 135 kHz
Maksimal radiofrekvenseffekt: 55dBμA/m @10m

С настоящото TOYOTA MOTOR CORPORATION декларира, че този тип радиосъоръжение TMIMB-3 е в съответствие с Директива 2014/53/ЕС.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
http://my.toyota.eu

Радиочестотна лента: 119 - 135 kHz
Максимална радиочестотна мощност: 55dBμA/m @10m

Prin prezenta, TOYOTA MOTOR CORPORATION declară că tipul de echipamente radio TMIMB-3 este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:
http://my.toyota.eu

Banda de frecvență: 119 - 135 kHz
Puterea maximă de radiofrecvență: 55dBμA/m @10m

Ovime TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMIMB-3 u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://my.toyota.eu Frekvencijski opseg: 119 - 135 kHz Maksimalna radio-frekvencijska snaga: 55dBμA/m @10m
Me anë të këtij dokumenti, TOYOTA MOTOR CORPORATION deklaron se tipi i radiopajisjes TMIMB-3 është në përputhje me Direktivën 2014/53/EU. Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit: http://my.toyota.eu Brezi i frekuencës: 119 - 135 kHz Fuqia maksimale e radiofrekuencës: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION ovime izjavljuje da je radijska oprema tipa TMIMB-3 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://my.toyota.eu Frekvencijski pojas: 119 - 135 kHz Maksimalna RF snaga: 55dBμA/m @10m

Ovim TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMIMB-3 u skladu sa Direktivom 2014/53/EU.

Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi:
http://my.toyota.eu

Frekventni opseg: 119 - 135 kHz
Maksimalna radio-frekventna snaga: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION, işbu belgeyle telsiz cihazı türünün TMIMB-3 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir.

AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz:
http://my.toyota.eu

Frekans bandı: 119 - 135 kHz
Maksimum radyo frekans gücü: 55dBμA/m @10m

TOYOTA

TOYOTA MOTOR CORPORATION

1, TOYOTA-CHO, TOYOTA, AICHI, 471-8571, JAPAN TEL: +81-565-28-2121

EU Declaration of Conformity

CE

1. Radio equipment (Product / Type):

   Immobilizer / TMIMB-3

2. Name and address of the manufacturer:

   TOYOTA MOTOR CORPORATION
   1, Toyota -cho, Toyota, Aichi, 471-8572, Japan

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

   TMIMB-3

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

   Directive 2014/53/EU

6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

(Health & safety requirements)	EN 60950-1:2006 / A11:2009
(EMC requirements)	EN 301 489-1 V1.8.1 & EN 301 489-3 V1.4.1
(Effective uses of radio spectrum)	EN 300 330 V2.1.1

7. The notified body:

   Not Applicable

8. Accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity:

   Not Applicable

9. Additional information:

   None

Place and date of issue: Japan, April 5, 2017

Signature: Tomoo Kakegawa

Function: Tomoo Kakegawa
General Manager

NOTICE

■ **To ensure the system operates correctly**

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

Alarm*

The alarm

The alarm uses light and sound to give an alert when an intrusion is detected.

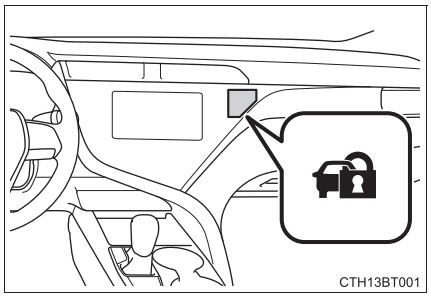
The alarm is triggered in the following situations when the alarm is set:

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

Setting the alarm system

Close the doors, trunk and hood, and lock all the doors using the entry function or wireless remote control. The system will be set automatically after 30 seconds.

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



Deactivating or stopping the alarm

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

- Unlock the doors or open the trunk using the entry function or wireless remote control.
- Start the hybrid system. (The alarm will be deactivated or stopped after a few seconds.)

*: If equipped

■ **System maintenance**

The vehicle has a maintenance-free type alarm system.

■ **Items to check before locking the vehicle**

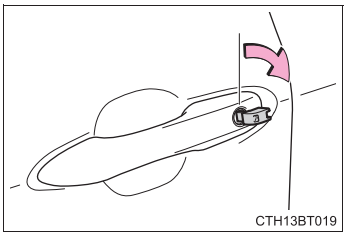
To prevent unexpected triggering of the alarm and vehicle theft, make sure of the following:

- 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.

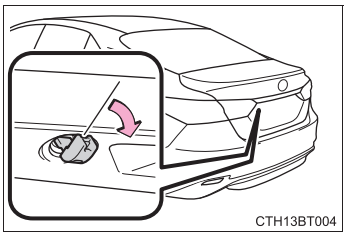
■ **Triggering of the alarm**

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

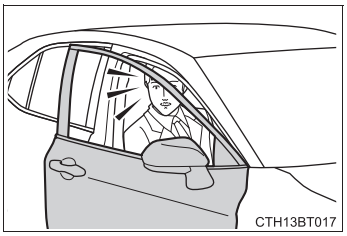
- The doors are unlocked using the mechanical key.


CTH13BT019

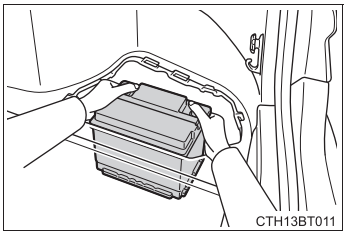
- The trunk is opened using the mechanical key.


CTH13BT004

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


CTH13BT017

- The 12-volt battery is recharged or replaced when the vehicle is locked. (→P. 583)


CTH13BT011

■ **Alarm-operated door lock**

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

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

⚠ NOTICE

■ **To ensure the system operates correctly**

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

Instrument cluster 2

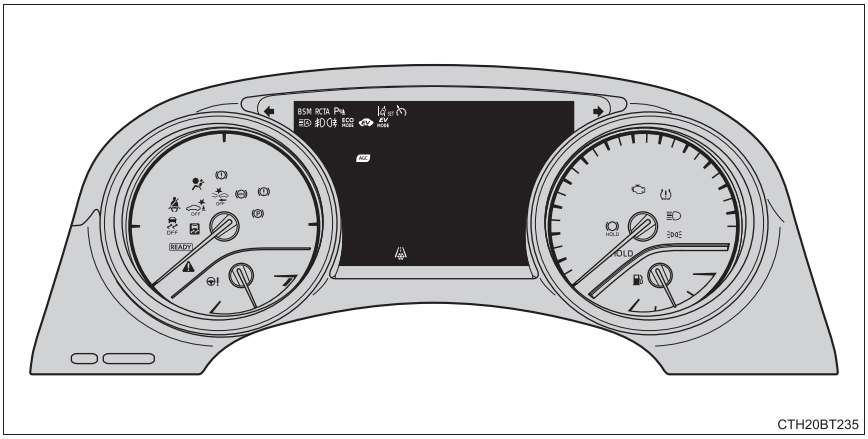
2. Instrument cluster

Warning lights and indicators 130
Gauges and meters 136
Multi-information display 140
Head-up display.....158
Energy monitor/ consumption screen 164

Warning lights and indicators

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

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



Warning lights

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

*1

(Red)
Brake system warning light (→P. 531)

*1

(Yellow)
Brake system warning light (→P. 531)

*1

Malfunction indicator lamp (→P. 531)

*1

SRS warning light (→P. 532)

*1

ABS warning light (→P. 532)


Parking brake indicator (→P. 532)

*1, 3

Brake hold operated indicator (→P. 532)

*1

(Red/yellow)
Electric power steering system warning light (→P. 532)

*1, 2

PCS warning light (→P. 533)

*1, 3

(if equipped)
ICS OFF indicator (→P. 533)


(Yellow)
LDA (Lane Departure Alert) indicator (→P. 532)

*1

Slip indicator (→P. 533)


Low fuel level warning light (→P. 533)


Driver's and front passenger's seat belt reminder light (→P. 534)

*1

Master warning light (→P. 534)

*1

Tire pressure warning light (→P. 534)

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

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

*3: This light flashes to indicate a malfunction.

Indicators

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


Turn signal indicator (→P. 267)


Tail light indicator (→P. 275)


Headlight high beam indicator (→P. 275)


Automatic High Beam indicator (→P. 278)


(if equipped)
Front fog light indicator (→P. 282)


Rear fog light indicator (→P. 282)



AGC (Auto Glide Control) indicator (→P. 404)


Parking brake indicator (→P. 268)

*1


Brake hold operated indicator (→P. 272)

*1


Brake hold standby indicator (→P. 272)


Cruise control indicator (→P. 333)


Dynamic radar cruise control indicator (→P. 333)



Cruise control "SET" indicator (→P. 333)

*1, 2


PCS warning light (→P. 310)

*1, 2


(if equipped)
ICS OFF indicator (→P. 382)


(White)
LDA (Lane Departure Alert) indicator (→P. 318)


(Green)
LDA (Lane Departure Alert) indicator (→P. 318)

*3

(Yellow)
LDA (Lane Departure Alert) indicator (→P. 318)

*1, 3

Slip indicator (→P. 349)

*1, 2


VSC OFF indicator (→P. 351)



(if equipped)

"BSM" indicator (→P. 356)



(if equipped)

"RCTA" indicator (→P. 356)

*6, 7


(if equipped)

BSM (Blind Spot Monitor) outside rear view mirror indicators (→P. 356)

*1, 4



(if equipped) (Type A)

"PASSENGER AIRBAG" indicator (→P. 55)

*1, 4



(if equipped) (Type B)

"PASSENGER AIRBAG" indicator (→P. 55)

*4



Security indicator (→P. 112, 126)



Toyota parking assist-sensor indicator (→P. 374)



"SPORT" indicator (→P. 403)



"ECO MODE" indicator (→P. 403)



"READY" indicator (→P. 252)



EV indicator (→P. 103)



EV drive mode indicator (→P. 258)

*5



Low outside temperature indicator (→P. 136)

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

*2: This light turns on when the system is off.

*3: This light flashes to indicate that the system is operating.

*4: This light illuminates on the center panel.

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

*6: These indicators will illuminate in the following situations to indicate that the system initial check is being performed:

- When the BSM function or RCTA function is enabled and the power switch is turned to ON mode.
- When the power switch is in ON mode and the BSM function is enabled.
- When the power switch is in ON mode and the RCTA function is enabled. (At this time, a buzzer will also sound.)
  The indicators will turn off after a few seconds. If the indicators do not illuminate or turn off, or if a buzzer does not sound when the RCTA function is enabled, the system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

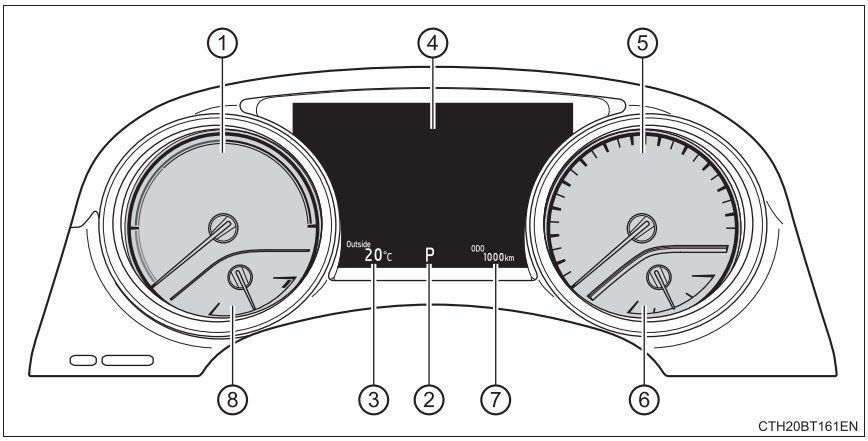
*7: This light illuminates on the outside rear view mirrors.

WARNING

■ If a safety system warning light does not come on

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

Gauges and meters



The units used on the meters may differ depending on the target region.

① Hybrid System Indicator

Displays hybrid system output or regeneration level (→P. 138)

② Shift position (→P. 261)

③ Outside temperature

Displays the outside temperature within the range of -40°C (-40°F) to 50°C (122°F). Low outside temperature indicator comes on when the ambient temperature is 3°C (37°F) or lower.

④ Multi-information display

Presents the driver with a variety of vehicle data (→P. 140)

Displays warning messages in case of a malfunction (→P. 538)

⑤ Speedometer

⑥ Fuel gauge

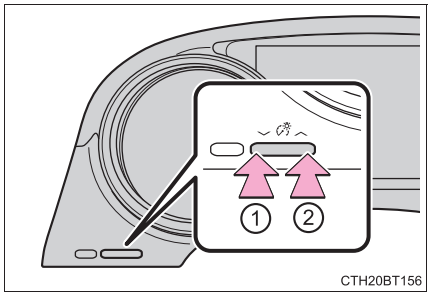
⑦ Odometer and trip meter (→P. 155)

⑧ Engine coolant temperature gauge

Displays the engine coolant temperature

Instrument panel light control

The brightness of the instrument panel lights can be adjusted.



① Darker

② Brighter

- The brightness of the instrument panel lights can be adjusted individually for day mode and night mode*.
- If the brightness is adjusted when the surroundings are bright and the tail lights are on (day mode brightness adjustment), the brightness level of night mode will be adjusted at the same time.

*: Day mode and night mode: →P. 138

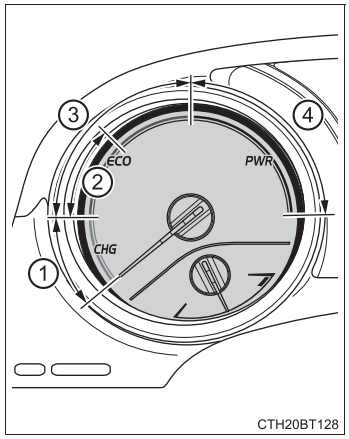
■ **The meters and display illuminate when**

The power switch is in ON mode.

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

- The brightness of the meters is changed between day mode and night mode.
  - Day mode: When the tail lights are off or when the tail lights are on but the surrounding area is bright
  - Night mode: When the tail lights are on and the surrounding area is dark
- When in night mode, the brightness will be reduced slightly unless the meters are set to the maximum brightness level.

■ **Hybrid System Indicator**



① Charge area

Shows regenerative charging.

② Hybrid Eco area

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

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

③ Eco area

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

④ Power area

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

- By keeping the indicator needle within Eco area, more Eco-friendly driving can be achieved.
- Charge area indicates “regeneration”* status. Regenerated energy will be used to charge the battery.

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

The Hybrid System Indicator will not operate in the following situations:

- The “READY” indicator is not illuminated.
- The shift lever is in any position other than D or S.

■ **Engine speed**

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

■ **Outside temperature display**

In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change:

- When stopped, or driving at low speeds (less than 25 km/h [16 mph])
- When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)
- When "– –" or "E" is displayed, the system may be malfunctioning.
  Take your vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

⚠ NOTICE

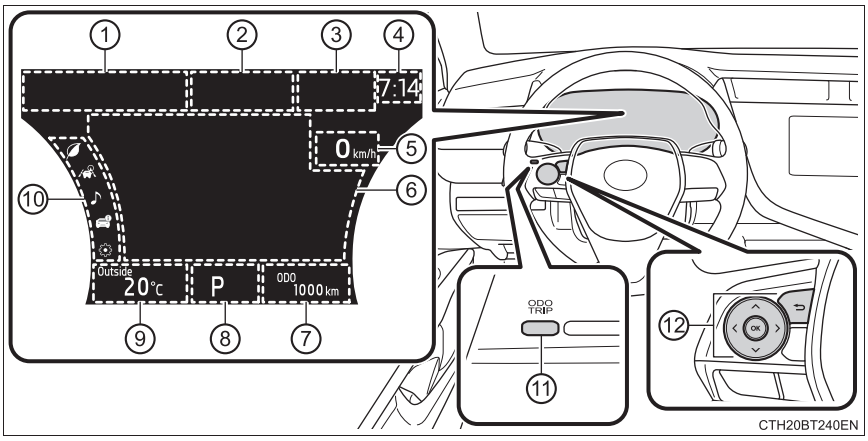
■ **To prevent damage to the engine and its components**

The engine may be overheating if the engine coolant temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P. 587)

Multi-information display

Summary of functions

The multi-information display presents the driver with a variety of driving-related data, such as the current outside temperature. The multi-information display can also be used to change the display settings and other settings.



① Indicators (→P. 130)

② Dynamic radar cruise control with full-speed range/LDA (Lane Departure Alert with steering control) display area

Displays the operational status of the following systems:
- Dynamic radar cruise control with full-speed range (→P. 333)
- LDA (Lane Departure Alert with steering control) (→P. 318)

③ RSA (Road Sign Assist) (if equipped) (→P. 328)

④ Clock

For clock settings, refer to “Navigation and multimedia system Owner’s manual”.

⑤ Speedometer

The speedometer display can be enabled/disabled in ⚙ on the multi-information display. (→P. 148)

⑥ Content display area

A variety of information can be displayed by selecting a menu icon. Additionally, warning or suggestion/advice pop-up displays will be displayed in some situations.

- Menu icon content (→P. 143)
- Suggestion function (→P. 155)
- Warning message (→P. 538)

⑦ Odometer/trip meter (→P. 155)

⑧ Shift position (→P. 261)

⑨ Outside temperature (→P. 136)

⑩ Menu icons (→P. 143)

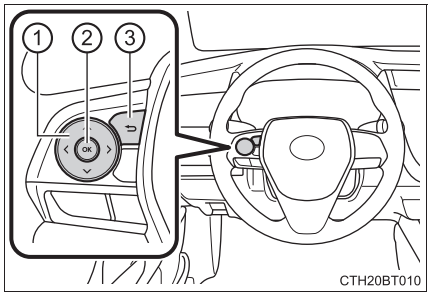
⑪ “ODO/TRIP” switch (→P. 142)

⑫ Meter control switches (→P. 142)

Using the multi-information display

◆ Using the content display area

The content display area is operated using the meter control switches.



① Scroll screens*, change the displayed content* and move the cursor

② Press: Enter/Set

Press and hold: Reset/Display the next screen

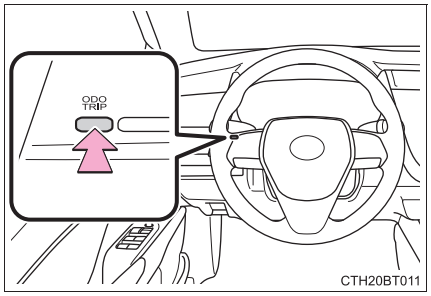
③ Return to the previous screen

Pressing and holding the switch will display the first screen of the selected menu icon.

*: When the screen can be scrolled or different content can be displayed, a mark, such as an arrow, will be displayed to suggest which switch to operate.

◆ Using the odometer/trip meter

Items in this area are operated using the “ODO/TRIP” switch.



Press: Change displayed item

Each time the switch is pressed, the displayed item will be changed.

Press and hold: Reset

Display the desired trip meter and press and hold the switch to reset the trip meter.

Menu icons

Select a menu icon to display its content.

 Warning message display (→P. 538)

This menu icon will be displayed only when a warning message can be displayed.
Select to display warning messages and measures to be taken if a malfunction is detected.

 Eco-friendly driving information (→P. 144)

Select to display fuel consumption data in various forms.

 Driving assist system information

Select to perform the following:
Display the operational status of the following systems:
- Dynamic radar cruise control with full-speed range (→P. 333)
- LDA (Lane Departure Alert with steering control) (→P. 318)

Display the following navigation system-linked information (if equipped):
- Route guidance
- Compass display (heading-up display)

 Audio system-linked display (if equipped)

Select to enable selection of an audio source or track on the meter using the meter control switches.

 Vehicle information

Select to perform the following:
Display the following information:
- Energy monitor (→P. 164)

Enable/Disable the following system:
- Parking assist (Toyota parking assist-sensor) (→P. 374)
- BSM (Blind Spot Monitor) function (if equipped) (→P. 356)
- RCTA (Rear Crossing Traffic Alert) function (if equipped) (→P. 356)

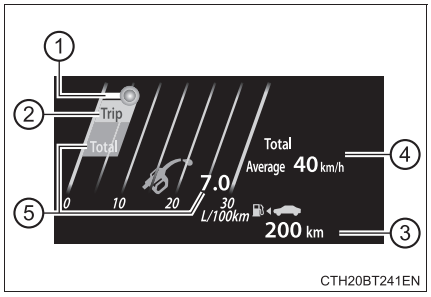
This function can also be enabled/disabled on .

 Settings display (→P. 148)

Select to change the meter display settings and other settings.

Eco-friendly driving information ( )

Fuel consumption



① Current fuel consumption

Displays the instantaneous current fuel consumption.

② Average fuel economy (after start)

Displays the average fuel consumption since hybrid system start.*1

③ Driving range

Displays the driving range with remaining fuel.*2, 3

④ Gadget*4

The following items can be displayed by changing the settings for gadget content and fuel economy type on . (→P. 148)

Displayable item		Content
Gadget content	Fuel economy type	
Average vehicle speed	Trip (after start)	Displays the average vehicle speed since hybrid system start.
	Total (after reset)	Displays the average vehicle speed since the display was reset.*5
Distance	Trip (after start)	Displays the distance driven since vehicle start.
	Total (after reset)	Displays the distance driven since the display was reset.*5
Elapsed time	Trip (after start)	Displays the elapsed time since hybrid system start.
	Total (after reset)	Displays the elapsed time since the display was reset.*5

⑤ Average fuel economy

Displayed item (listed below) can be changed on the fuel economy type screen of ⚙. (→P. 148)

● Total (after reset)

Displays the average fuel consumption since the display was reset.*1, 5

● Tank (after refuel)

Displays the average fuel consumption since the vehicle was refueled.*1, 2

*1: Use the displayed fuel consumption as a reference only.

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

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

*4: The default setting is no display.

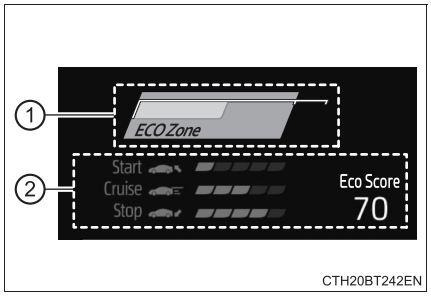
*5: This display can be reset by pressing and holding OK while it is displayed.

■ Eco guide

The Eco guide displays a guide for eco-friendly acceleration and scores which represent an evaluation of how the vehicle has been driven ecologically in different states.

① ECO Accelerator Guidance

② Eco score



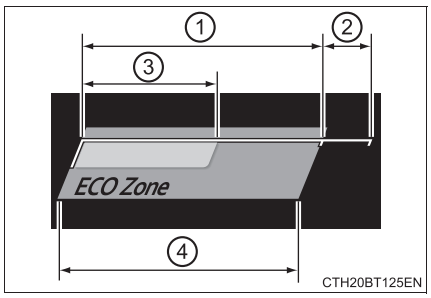
● ECO Accelerator Guidance

① Eco area

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

② Power area

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



③ Eco driving ratio based on acceleration

④ Zone of Eco acceleration

Suggests a range in which Eco-friendly acceleration can be performed.

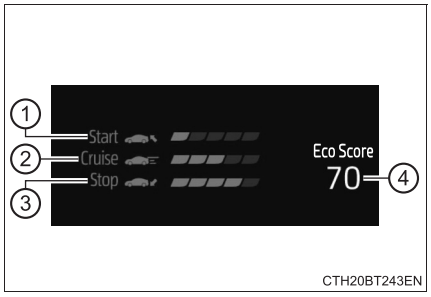
The zone of Eco acceleration changes according to situations, such as starting off or cruising.

Eco-friendly acceleration can be achieved by keeping the Eco driving ratio based on acceleration bar within the zone of Eco acceleration. (→P. 243)

● Eco score

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

① Eco start status
② Eco cruise status
③ Eco stop status
④ Score result



How to read the bar display:

Not yet evaluated	Low	High
		

- After the hybrid system is started, the Eco score will not be displayed until the vehicle speed exceeds approximately 20 km/h (12 mph).
- The Eco score will be reset each time the hybrid system is started.
- When the hybrid system is stopped, the total score of the current trip will be displayed.

Settings display ( )

◆ Changing settings

Use the meter control switches on the steering wheel to change settings.

1 Press ∧ or ∨ to select .

2 Operate the switches to select a desired item.

3 Press or press and hold OK .

The available settings will differ depending on if OK is pressed or pressed and held. Follow the instructions on the display.

◆ Setting items

■ LDA (Lane Departure Alert with steering control) (→P. 318)

Press and hold OK to change the settings of the following items:

Item	Settings	Details
Steering assist	On	Select to enable/disable steering wheel assistance.
	Off	
Alert sensitivity	High	Select to set the warning sensitivity.
	Std.	
Sway warning	On	Select to enable/disable the vehicle sway warning.
	Off	
Sway sensitivity	High	Select to set the vehicle sway warning sensitivity.
	Std.	
	Low	

PCS (Pre-Collision System) (→P. 306)

Press and hold OK to change the settings of the following items:

Item	Settings	Details
PCS	On	Select to enable/disable the pre-collision system.
	Off	
Warning sensitivity		Select to change the warning timing.
		
		

BSM (Blind Spot Monitor) (if equipped) (→P. 356)

Press OK to enable/disable the Blind Spot Monitor function.

Item	Settings	Details
BSM	On	Select to enable/disable the Blind Spot Monitor function.
	Off	

Press and hold OK to change the settings of the following item:

Item	Settings	Details
Outside rear view mirror indicator brightness	Bright	Select to change the brightness of the outside rear view mirror indicators.
	Dim	

RCTA (Rear Crossing Traffic Alert) (if equipped) (→P. 356)

Press OK to enable/disable the Rear Crossing Traffic Alert function.

Item	Settings	Details
RCTA	On	Select to enable/disable the Rear Crossing Traffic Alert function.
	Off	

Press and hold OK to change the settings of the following item:

Item	Settings	Details
RCTA buzzer volume	1 (Low)	Select to change the volume of the RCTA buzzer.
	2 (Medium)	
	3 (Loud)	

■ **ICS (Intelligent Clearance Sonar) (if equipped) (→P. 382)**

Press OK to enable/disable the Intelligent Clearance Sonar.

Item	Settings	Details
ICS	On	Select to enable/disable the Intelligent Clearance Sonar system.
	Off	

■ **Parking assist (Toyota parking assist-sensor) (→P. 374)**

Press OK to enable/disable the Toyota parking assist-sensor.

Item	Settings	Details
Toyota parking assist-sensor	On	Select to enable/disable the Toyota parking assist-sensor.
	Off	

Press and hold OK to change the settings of the following item:

Item	Settings	Details
Volume	1 (Low)	Select to change the volume of the Toyota parking assist-sensor buzzer.
	2 (Medium)	
	3 (Loud)	

■ **HUD (Head-up display) (if equipped) (→P. 158)**

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

Item	Settings	Details
HUD	On	Select to enable/disable the head-up display.
	Off	

Press and hold OK to change the settings of the following items:

Item	Settings	Details
HUD Brightness/Position		Select to adjust the brightness/position of the head-up display. • Press the ❮ / ❯ switch to adjust the display brightness. • Press the ^ / v switch to adjust the display position.
HUD Driving support	Tachometer settings	Select to change the display between the following: • Hybrid System Indicator • Tachometer • No content
	Navigation system	Select to enable/disable head-up display content.
	Driving Assist	
	Compass	
	Audio system	
Rotation		Select to adjust the angle of the head-up display. Press the ❮ / ❯ switch to adjust the display angle.

■ **Rear sunshade (if equipped) (→P. 448)**

Press OK to raise/lower the rear sunshade.

Item	Settings	Details
Rear sunshade	Raised	Select to raise/lower the rear sunshade.
	Lowered	

■ **RSA (Road Sign Assist) (if equipped) (→P. 328)**

Press and hold OK to change the settings of the following items:

Item	Settings	Details
RSA	On	Select to enable/disable the RSA.
	Off	
Notification method	Excess speed notification	Select to select a notification method used to warn the driver if the vehicle speed exceeds the speed displayed on the speed limit sign on the multi-information display. Available methods: • No Notification • Only Visual • Visual and Audible
	Other notifications	Select to select a notification method used to warn the driver if the system detects the following: • The vehicle is overtaking when a no overtaking sign is displayed on the multi-information display. Available methods: • No Notification • Only Visual • Visual and Audible
Excess speed notification level	10 km/h (5 mph)	Select to select a speed threshold over which the excess speed notification will start to operate when a speed limit sign is displayed on the multi-information display.
	5 km/h (3 mph)	
	2 km/h (1 mph)	

Vehicle settings

Press and hold OK to change the settings of the following items:

Item	Settings	Details
TPWS (Tire pressure warning system) (→P. 481)		
Set pressure (tire pressure warning system initialization)		Select to initialize the tire pressure warning system. To perform initialization, press and hold the OK switch. Before performing initialization, make sure to adjust the inflation pressure of each tire to the specified level. (→P. 482)
Change wheel (change the tire pressure warning system sensor ID code set)		Select to change the tire pressure warning system sensor ID code set. To enable this function, a second set of tire pressure warning system sensor ID codes must be registered by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. For information regarding changing the registered ID code set, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. (→P. 483)

Meter settings

Press and hold OK to change the settings of the following items:

Item	Settings	Details
Language		Select to change the language displayed.
Units		Select to change the units of measure displayed.
(EV indicator)	On	Select to enable/disable the EV indicator. (→P. 103)
	Off	
Speedometer	On	Select to enable/disable the speedometer display.
	Off	
Gadget content	Off	No display
	Average vehicle speed	Select to turn the display of a gadget.
	Distance	
	Elapsed time	
Fuel economy type	Trip (after start)*1	Select to change the average fuel consumption display and an item to be displayed as gadget.
	Total (after reset)	
	Tank (after refuel)*2	
Multi-information display off		Select to turn the multi-information display off. To turn the multi-information display on again, press any direction switch (∧ / ∨ / 〈 / 〉).
Pop-up display	Intersection guidance (if equipped)	Select to enable/disable the pop-up display.
	Incoming calls	
	Brightness adjustment	
Default setting		Select to reset the meter display settings to the default setting.

*1: Selecting this item will only change the gadget.

*2: Selecting this item will turn the display of the gadget off.

Odometer/trip meter

Odometer

Displays the total distance the vehicle has been driven.

Trip meter A/trip meter B

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

To reset, display the desired trip meter and press and hold the “ODO/TRIP” switch.

Suggestion function

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

The suggestion function can be turned on/off.
(Customizable features: →P. 609)

Suggestion to turn off the headlights

If the headlights are left on for a certain amount of time after the power switch has been turned off, if the headlight switch is in the “AUTO” position, a suggestion message will be displayed asking if you wish to turn the headlights off. To turn the headlights off, select “Yes”.

If a front door is opened after the power switch is turned off, this suggestion message will not be displayed.

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

If the windshield wipers are operated with a power window open, a suggestion message will be displayed asking if you wish to close the power windows. To close all of the power windows, select “Yes”.

If the window lock switch is on, this suggestion message will not be displayed.

■ **Suggestion to close the power windows (linked to vehicle speed)**

If the vehicle is driven at high speeds for a certain amount of time with a power window open, a suggestion message will be displayed asking if you wish to close the power windows. To close all of the power windows, select “Yes”.

If the window lock switch is on, this suggestion message will not be displayed.

■ **The Eco guide will not operate when**

The Eco guide will not operate in the following situations:

- The Hybrid System Indicator is not operating.
- The vehicle is being driven using the dynamic radar cruise control with full-speed range.

■ **Suspension of the settings display**

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

■ **Liquid crystal display**

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

■ **Customization**

Some functions can be customized. (→P. 148, 609)

WARNING

■ **Caution for use while driving**

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

■ **The information display at low temperatures**

Allow the interior of the vehicle to warm up before using the liquid crystal information display. At extremely low temperatures, the information display monitor may respond slowly, and display changes may be delayed.
For example, there is a lag between the driver's shifting and the new gear number appearing on the display. This lag could cause the driver to downshift again, causing rapid and excessive engine braking and possibly an accident resulting in death or injury.

■ **Cautions during setting up the display**

As the hybrid system needs to be operating during setting up the display, ensure that the vehicle is parked in a place with adequate ventilation. In a closed area such as a garage, exhaust gases including harmful carbon monoxide (CO) may collect and enter the vehicle. This may lead to death or a serious health hazard.

NOTICE

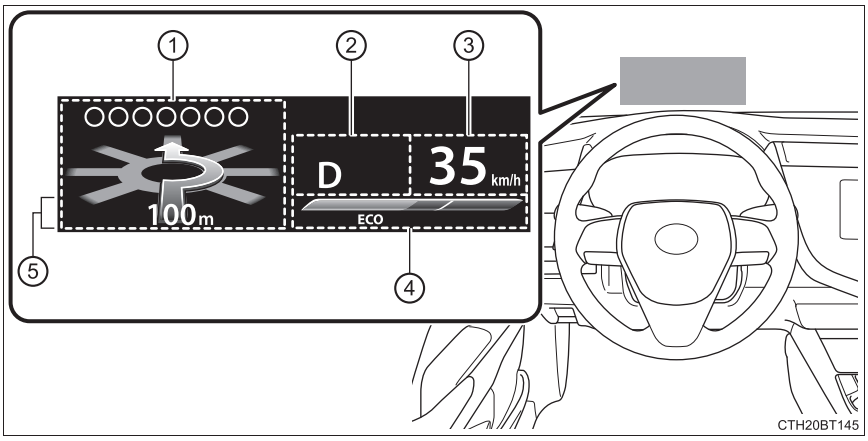
■ **While setting up the display**

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

Head-up display*

Summary of functions

The head-up display is linked to the meters and navigation system and projects a variety of information in front of the driver, such as the current vehicle speed.



① Driving assist system status/navigation system-linked display area (→P. 160)

The following pop-up displays will be displayed in certain situations:
- Pre-collision warning (pre-collision system)
- Alert from the Intelligent Clearance Sonar system

② Shift position display (→P. 261)

③ Vehicle speed display

④ Hybrid System Indicator/Tachometer (→P. 160)

⑤ Information display area (→P. 161)

The following pop-up displays will be displayed in certain situations:
- Warning/message
- Hands-free system status
- Audio system operation status

*: If equipped

Using the head-up display

Select on the multi-information display (→P. 148) and then HUD.

◆ Enabling/disabling the head-up display

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

◆ Changing the head-up display settings

Press and hold OK to change the following settings:

■ Hybrid System Indicator/Tachometer

Select to display Hybrid System Indicator/tachometer/no content.

■ Display brightness/position

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

■ Display content

Select to enable/disable the following items:

- Route guidance to destination
- Driving assist system status
- Compass
- Audio system operation status

■ Display angle

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

Driving assist system status/navigation system-linked display area

◆ Driving assist system status display

Displays the operational status of the following systems:

- Dynamic radar cruise control with full-speed range (→P. 333)
- LDA (Lane Departure Alert with steering control) (→P. 318)
- Toyota parking assist-sensor (→P. 374)

◆ Navigation system-linked display area

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

■ Route guidance to destination

Displayed when the navigation system is performing route guidance. When approaching an intersection, an arrow will be displayed to indicate the suggested direction of travel.

■ Compass

Displays the direction of travel.

Hybrid System Indicator/Tachometer

■ Hybrid System Indicator

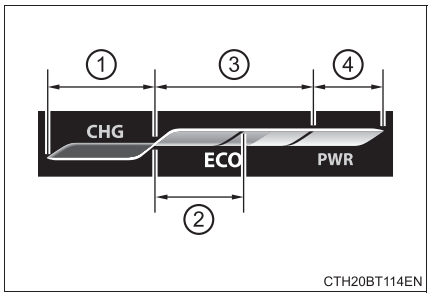
① Charge area

② Hybrid Eco area

③ Eco area

④ Power area

Displayed content is the same as that displayed on the meter (Hybrid System Indicator). For details, refer to P. 138.



■ Tachometer

Displays the engine speed in revolutions per minute.

Information display area

Displays the following items in the appropriate situation:

Warning/Message

- Alert from the LDA (Lane Departure Alert with steering control)
- Dynamic radar cruise control with full-speed range
- message

  Displayed when a suggestion/advice pop-up display is displayed on the multi-information display. (→P. 155)
- message

  Displayed when a warning message is displayed on the multi-information display. (→P. 538)
- Outside temperature

  Displayed in the following situations:
  - When the power switch is turned to ON mode
  - When the low outside temperature indicator is flashing

  Displayed content is the same as that displayed on the multi-information display. For details, refer to the explanation of the outside temperature display on the multi-information display. (→P. 136)

Hands-free system status

Displayed when the hands-free system is operated.

Audio system operation status

Displayed when the audio system is operated.

■ **Head-up display**

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

■ **Display brightness**

The brightness of the head-up display can be adjusted on of the multi-information display. Also, it is automatically adjusted according to the ambient brightness.

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

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

⚠ WARNING

■ **Before using the head-up display**

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

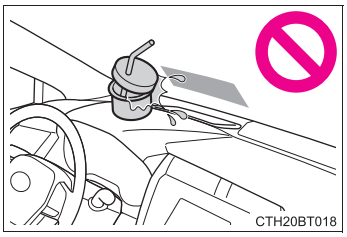
■ **Caution for changing settings of the head-up display**

As the hybrid system needs to be running while changing the settings of the head-up display, ensure that the vehicle is parked in a place with adequate ventilation. In a closed area such as a garage, exhaust gases including harmful carbon monoxide (CO) may collect and enter the vehicle. This may lead to death or a serious health hazard.

NOTICE

To prevent damage to components

- Do not place any drinks near the head-up display projector. If the projector gets wet, electrical malfunctions may result.
- Do not place anything on or put stickers onto the head-up display projector. Doing so could interrupt head-up display indications.
- Do not touch the inside of the head-up display projector or thrust sharp edges or the like into the projector. Doing so could cause mechanical malfunctions.



When changing the settings of the head-up display

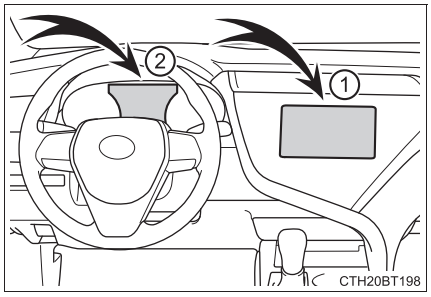
To prevent 12-volt battery discharge, ensure that the hybrid system is operating while the changing the settings of the head-up display.

Energy monitor/consumption screen

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

The illustrations below are for left-hand drive vehicles.

① Audio system screen
② Multi-information display

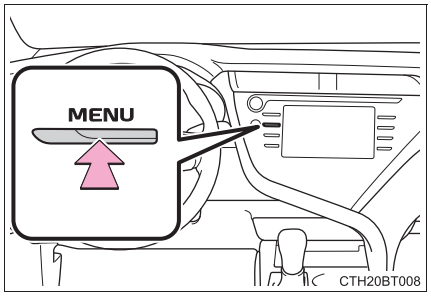


Energy monitor

1 Press the “MENU” button.

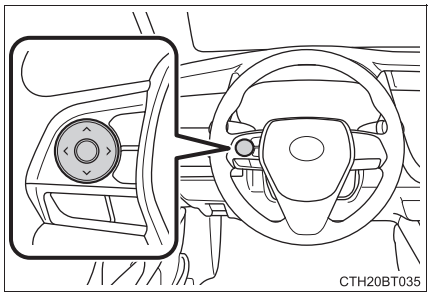
2 Select “Info” on the “Menu” screen.

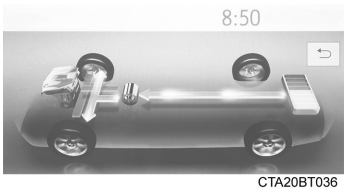
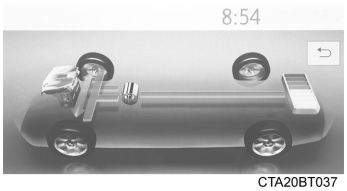
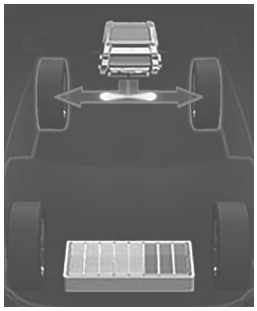
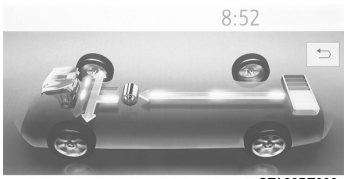
If the “Trip information” or “History” screen is displayed, select “Energy”.

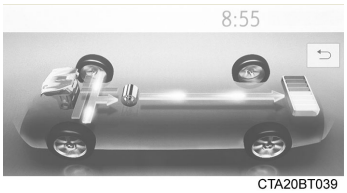
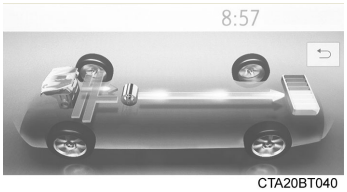
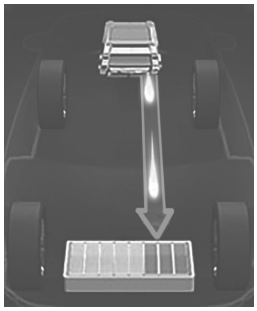
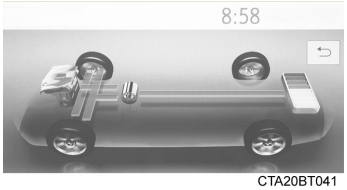
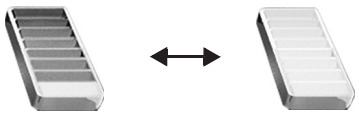


▶ Multi-information display

Press the meter control switches on the steering wheel several times to select the energy monitor display.



	Audio system screen	Multi-information display
When the vehicle is powered by the electric motor (traction motor)	 CTA20BT036	
When the vehicle is powered by the gasoline engine	 CTA20BT037	
When the vehicle is powered by both the gasoline engine and the electric motor (traction motor)	 CTA20BT038	

	Audio system screen	Multi-information display
When the vehicle is charging the hybrid battery (traction battery)	 CTA20BT039	
	 CTA20BT040	
When there is no energy flow	 CTA20BT041	
Hybrid battery (traction battery) status		

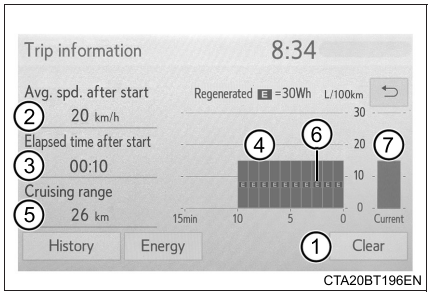
Fuel consumption screen

■ Trip information

1 Press the “MENU” button.

2 Select “Info” on the “Menu” screen.

If the “Energy monitor” or “History” screen is displayed, select “Trip information”.



CTA20BT196EN

① Resetting the consumption data

② Displays the average vehicle speed since the hybrid system was started

③ Displays the elapsed time since the hybrid system was started

④ Fuel consumption in the past 15 minutes

⑤ Cruising range

⑥ Regenerated energy in the past 15 minutes

One symbol indicates 30 Wh. Up to 5 symbols are shown.

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

⑦ Current fuel consumption

■ History

1 Press the “MENU” button.

2 Select “Info” on the “Menu” screen.

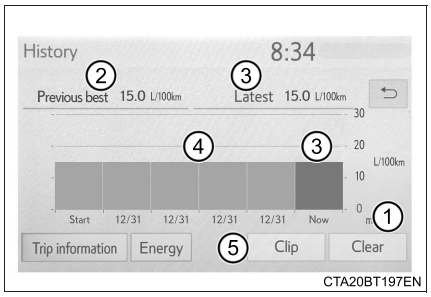
If the “Energy monitor” or “Trip information” screen is displayed, select “History”.

① Resetting the past record data

② Best past fuel consumption

③ Current fuel economy

④ Previous fuel consumption record



CTA20BT197EN

Displays the daily average fuel consumption.

⑤ Updating the average fuel consumption data

Displays a maximum of five past record of the average fuel consumption.

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

■ Resetting the consumption data

Selecting “Clear” on the “Trip information” screen will reset the fuel consumption and the regenerated energy for the past 15 minutes. Selecting “Clear” on the “History” screen will reset the past records and best past fuel consumption. Selecting “Yes” on the following screen will confirm resetting of all the data.

Operation of each component 3

3-1. Key information
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Keys

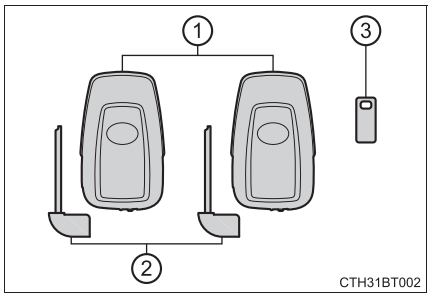
The keys

The following keys are provided with the vehicle.

① Electronic keys
- Operating the smart entry & start system (→P. 185)
- Operating the wireless remote control function (→P. 170)

② Mechanical keys

③ Key number plate



Wireless remote control

① Locks all the doors (→P. 174)

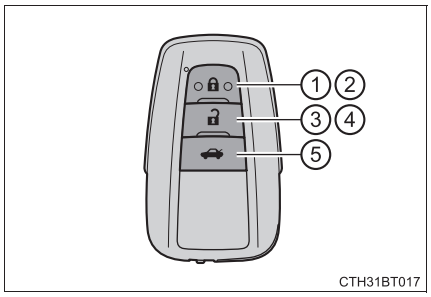
② Closes the windows* (→P. 174)

③ Unlocks all the doors (→P. 174)

④ Opens the windows* (→P. 174)

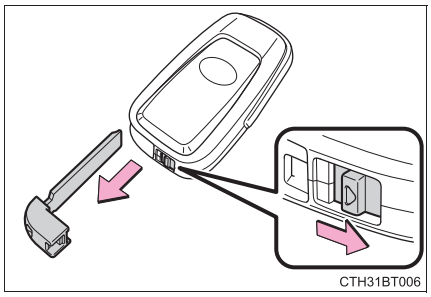
⑤ Opens the trunk (→P. 182)

*: This setting must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.



Using the mechanical key

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



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

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key. (→P. 577)

When required to leave the vehicle's key with a parking attendant

Lock the glove box as circumstances demand. (→P. 430)

Remove the mechanical key for your own use and provide the attendant with the electronic key only.

If you lose your keys

New genuine keys can be made by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer using the other mechanical key and the key number stamped on your key number plate. Keep the plate in a safe place such as your wallet, not in the vehicle.

When riding in an aircraft

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

■ **Conditions affecting operation**

→P. 188

■ **Electronic key battery depletion**

- The standard battery life is 1 to 2 years.
- If the battery becomes low, an alarm will sound in the cabin when the hybrid system stops.
- As the electronic key always receives radio waves, the battery will become depleted even if the electronic key is not used. The following symptoms indicate that the electronic key battery may be depleted. Replace the battery when necessary. (→P. 507)
  - The smart entry & start system or the wireless remote control does not operate.
  - The detection area becomes smaller.
  - The LED indicator on the key surface does not turn on.
- To reduce key battery depletion when the electronic key is to not be used for long periods of time, set the electronic key to the battery-saving mode. (→P. 187)
- To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Table lamps
  - Induction cookers

■ **Replacing the battery**

→P. 507

■ **Confirmation of the registered key number**

The number of keys already registered to the vehicle can be confirmed. Ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details.

■ **If a wrong key is used**

The key cylinder rotates freely to isolate inside mechanism.

NOTICE

■ **To prevent key damage**

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

■ **Carrying the electronic key on your person**

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

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

Take your vehicle with all the electronic keys provided with your vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **When an electronic key is lost**

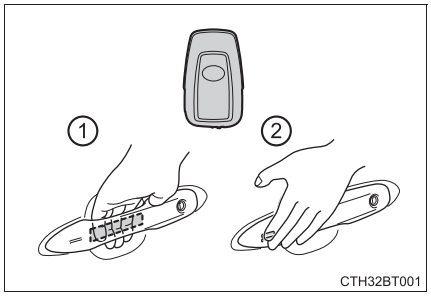
If the electronic key remains lost, the risk of vehicle theft increases significantly. Visit any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately with all remaining electronic keys that were provided with your vehicle.

Doors

Unlocking and locking the doors from the outside

◆ Smart entry & start system

Carry the electronic key to enable this function.



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

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

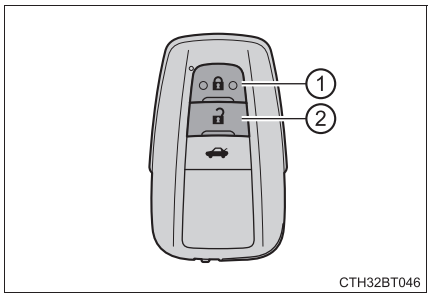
The doors cannot be unlocked for 3 seconds after the doors are locked.

*: The door unlock settings can be changed. (→P. 178)

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

Check that the door is securely locked.

◆ Wireless remote control



① Locks all the doors

Check that the door is securely locked.

Press and hold to close the windows*

② Unlocks all the doors

Press and hold to open the windows*

*: This setting must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Operation signals**

Doors:
The emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

Windows:
A buzzer sounds to indicate that the windows are operating.

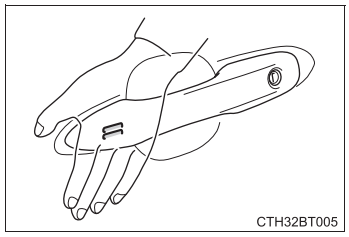
■ **Security feature**

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

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

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

When gloves are being worn, remove the gloves.



■ **Door lock buzzer**

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

■ **Setting the alarm (if equipped)**

Locking the doors will set the alarm system. (→P. 126)

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

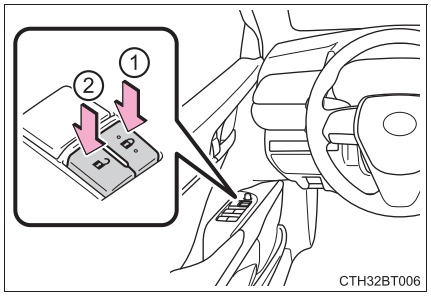
Use the mechanical key to lock and unlock the doors. (→P. 577)

Replace the battery with a new one if it is depleted. (→P. 507)

Unlocking and locking the doors from the inside

◆ Door lock switches

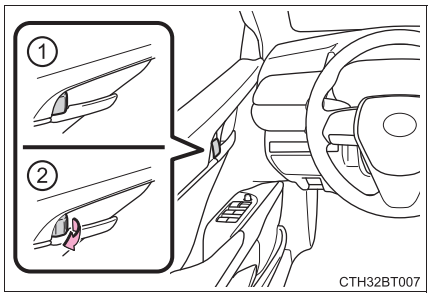
① Locks all the doors
② Unlocks all the doors



◆ Inside lock buttons

① Locks the door
② Unlocks the door

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



Locking the front doors from the outside without a key

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

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

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

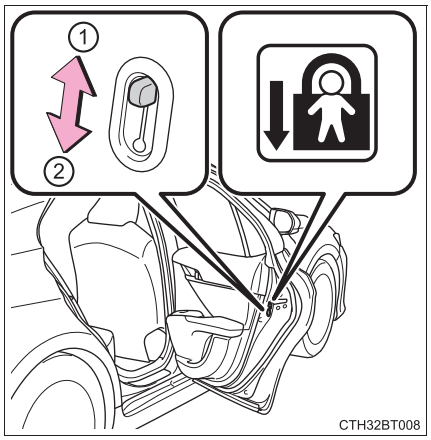
Rear door child-protector lock

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

① Unlock

② Lock

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



Automatic door locking and unlocking systems (if equipped)

The following functions can be set or canceled:

For instructions on customizing, refer to P. 611.

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

■ **Switching the door unlock function**

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

1 Turn the power switch off.

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

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

Multi-information display	Unlocking doors	Beep
 (Left-hand drive vehicles)	Holding the driver's door handle unlocks only the driver's door.	Exterior: Beeps 3 times Interior: Pings once
 (Right-hand drive vehicles)	Holding the front passenger's door handle unlocks all the doors.	
	Holding either front door handle unlocks all the doors.	Exterior: Beeps twice Interior: Pings once

Vehicles with an alarm: To prevent unintended triggering of the alarm, unlock the doors using the wireless remote control and open and close a door once after the settings have been changed. (If a door is not opened within 30 seconds after is pressed, the doors will be locked again and the alarm will automatically be set.)

In case that the alarm is triggered, immediately stop the alarm. (→P. 126)

■ **Impact detection door lock release system**

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

■ **Open door warning buzzer**

If the vehicle reaches a speed of 5 km/h (3 mph), the master warning light flashes and a buzzer sounds to indicate that the door(s) are not yet fully closed.

The open door(s) is displayed on the multi-information display.

■ **Using the mechanical key**

The doors can also be locked and unlocked with the mechanical key. (→P. 577)

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

→P. 188

■ **Customization**

Some functions can be customized. (→P. 609)

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, resulting in death or serious injury.

- Ensure that all doors are properly closed and locked.
- Do not pull the inside handle of the doors while driving.

  Be especially careful with the driver's door as the door(s) may be opened even if the inside lock buttons are in locked position.
- Set the rear door child-protector locks when children are seated in the rear seats.

■ **When opening or closing a door**

Check the surroundings of the vehicle such as whether the vehicle is on an incline, whether there is enough space for a door to open and whether a strong wind is blowing.

When opening or closing the door, hold the door handle tightly to prepare for any unpredictable movement.

■ **When using the wireless remote control and operating the power windows**

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

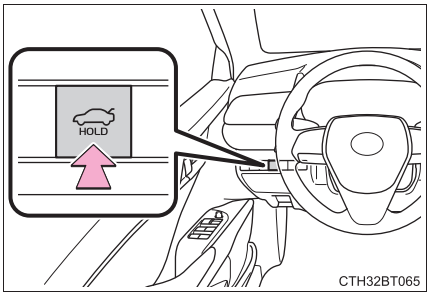
Trunk

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

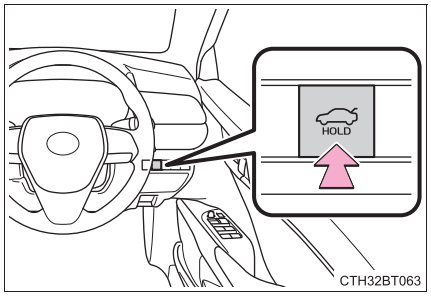
Opening the trunk from inside the vehicle

Press and hold the trunk opener switch.

▶ Left-hand drive vehicles



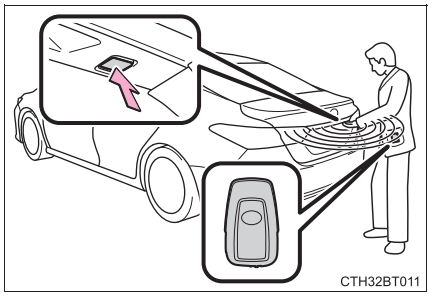
▶ Right-hand drive vehicles



Opening the trunk from outside the vehicle

◆ Smart entry & start system

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

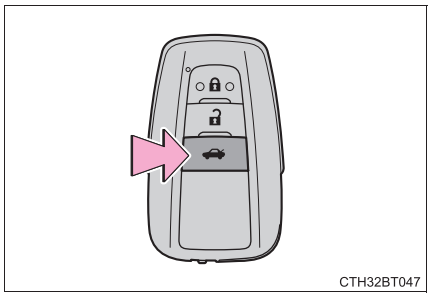


When both side doors are unlocked using one of the following methods, the trunk can be opened without the electronic key:

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

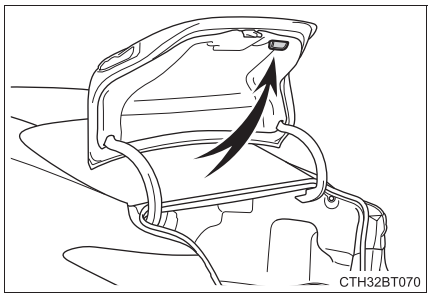
◆ Wireless remote control

Press and hold the switch.


CTH32BT047

When closing the trunk

Using the trunk grip, lower the trunk without applying force to the side and push the trunk down from the outside to close it.


CTH32BT070

■ Trunk light

The trunk light turns on when the trunk is opened.

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

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

■ **Open trunk warning buzzer**

If the vehicle reaches a speed of 5 km/h (3 mph), the master warning light flashes and a buzzer sounds to indicate that the trunk is not yet fully closed.

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

Use the mechanical key to unlock the trunk. (→P. 578)

Replace the key battery with a new one if it is depleted. (→P. 507)

■ **Customization**

Some functions can be customized. (→P. 609)

⚠ WARNING

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

■ **Before driving**

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

■ **Important points while driving**

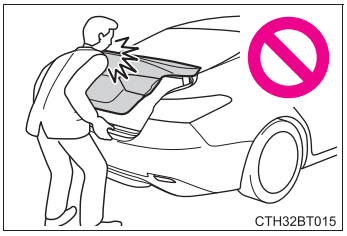
Never let anyone sit in the trunk. In the event of sudden braking or a collision, they are susceptible to death or serious injury.

WARNING

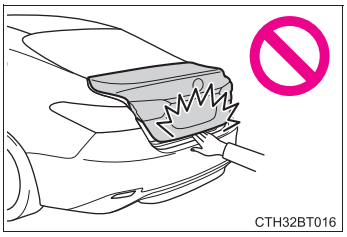
■ Using the trunk

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

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


CTH32BT015

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


CTH32BT016

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

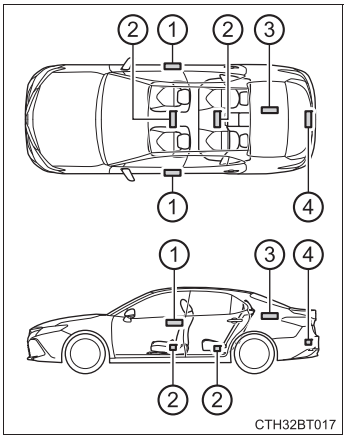
Smart entry & start system

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

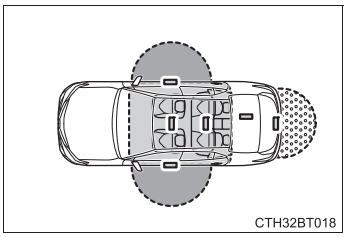
- Locks and unlocks the doors (→P. 174)
- Opens the trunk (→P. 181)
- Starts the hybrid system (→P. 252)

Antenna location

① Antennas outside the cabin
② Antennas inside the cabin
③ Antenna inside the trunk
④ Antenna outside the trunk



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



When locking or unlocking the doors

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

When starting the hybrid system or changing power switch modes

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

When opening the trunk

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

■ **Alarms and warning indicators**

A combination of exterior and interior alarms as well as warning messages shown on the multi-information display are used to prevent theft of the vehicle and accidents resulting from erroneous operation. Take appropriate measures in response to any warning message on the multi-information display. (→P. 538)

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

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 5 seconds	An attempt was made to lock the vehicle while a door was open.	Close all of the doors and lock the doors again.
	The trunk was closed while the electronic key was still inside the trunk and all the doors were locked.	Retrieve the electronic key from the trunk and close the trunk lid.

Alarm	Situation	Correction procedure
Interior alarm pings repeatedly	The power switch was turned to ACCESSORY mode while the driver's door was open (The driver's door was opened when the power switch was in ACCESSORY mode).	Turn the power switch off and close the driver's door.
	The power switch was turned off while the driver's door was open.	Close the driver's door.

Battery-saving function

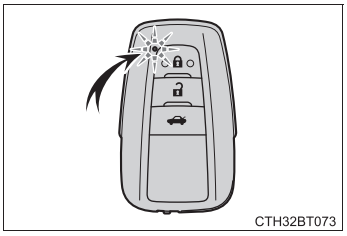
The battery-saving function will be activated in order to prevent the electronic key battery and the 12-volt battery from being discharged while the vehicle is not in operation for a long time.

- In the following situations, the smart entry & start system may take some time to unlock the doors.
  - The electronic key has been left in an area of approximately 2 m (6 ft.) of the outside of the vehicle for 10 minutes or longer.
  - The smart entry & start system has not been used for 5 days or longer.
- If the smart entry & start system has not been used for 14 days or longer, the doors cannot be unlocked at any doors except the driver's door. In this case, take hold of the driver's door handle, or use the wireless remote control or the mechanical key, to unlock the doors.

Electronic Key Battery-Saving Function

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

Press twice while pressing and holding . Confirm that the electronic key indicator flashes 4 times.
While the battery-saving mode is set, the smart entry & start system cannot be used. To cancel the function, press any of the electronic key buttons.


CTH32BT073

■ **Conditions affecting operation**

The smart entry & start system, wireless remote control and immobilizer system use weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart entry & start system, wireless remote control and immobilizer system from operating properly. (Ways of coping: →P. 577)

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

■ **Note for the entry function**

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases:
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is near the ground or in a high place, or too close to the rear bumper center when the trunk is opened.
  - The electronic key is on the instrument panel, rear package tray or floor, or in the door pockets or glove box when the hybrid system is started or power switch modes are changed.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to unlock the vehicle.
- Even if the electronic key is not inside the vehicle, it may be possible to start the hybrid system if the electronic key is near the window.
- The doors may unlock or lock if a large amount of water splashes on the door handle, such as in the rain or in a car wash, when the electronic key is within the effective range. (The doors will automatically be locked after approximately 30 seconds if the doors are not opened and closed.)
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- Touching the door lock sensor while wearing gloves may delay or prevent lock operation. Remove the gloves and touch the lock sensor again.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.*
- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In this case, follow the following correction procedures to wash the vehicle:
  - Place the electronic key in a location 2 m (6 ft.) or more away from the vehicle. (Take care to ensure that the key is not stolen.)
  - Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P. 187)

- If the electronic key is inside the vehicle and a door handle becomes wet during a car wash, a message may be shown on the multi-information display and a buzzer will sound outside the vehicle. To turn off the alarm, lock all the doors.
- The lock sensor may not work properly if it comes into contact with ice, snow, mud, etc. Clean the lock sensor and attempt to operate it again.
- A sudden approach to the effective range or door handle may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.
- If there is another electronic key in the detection area, it may take slightly longer to unlock the doors after the door handle is gripped.
- Fingernails may scrape against the door during operation of the door handle. Be careful not to injure fingernails or damage the surface of the door.

*: This setting can be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **When the vehicle is not driven for extended periods**

- To prevent theft of the vehicle, do not leave the electronic key within 2 m (6 ft.) of the vehicle.
- The smart entry & start system can be deactivated in advance. (→P. 609)
- Setting the electronic key to battery-saving mode helps to reduce key battery depletion. (→P. 187)

■ **To operate the system properly**

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

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

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

- Locking and unlocking the doors and trunk: Use the mechanical key. (→P. 577)
- Starting the hybrid system: →P. 578

■ **Customization**

Some functions can be customized. (→P. 609)

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

- Locking and unlocking the doors and opening the trunk: Use the wireless remote control or mechanical key. (→P. 174, 182, 577)
- Starting the hybrid system and changing power switch modes: →P. 578
- Stopping the hybrid system: →P. 252

■ **Certification for the smart entry & start system**

Hereby, TOKAI RIKA CO., LTD. declares that the radio equipment type BG2KV is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. vakuuttaa, että radiolaitetyyppi BG2KV on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.tokai-rika.co.jp/pc
Hierbij verklaar ik, TOKAI RIKA CO., LTD., dat het type radioapparatuur BG2KV conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.tokai-rika.co.jp/pc
Le soussigné, TOKAI RIKA CO., LTD., déclare que l'équipement radioélectrique du type BG2KV est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.tokai-rika.co.jp/pc
Härmed försäkrar TOKAI RIKA CO., LTD. att denna typ av radioutrustning BG2KV överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.tokai-rika.co.jp/pc

Hermed erklærer TOKAI RIKA CO., LTD., at radioudstyrstypen BG2KV er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.tokai-rika.co.jp/pc
Hiermit erklärt TOKAI RIKA CO., LTD., dass der Funkanlagentyp BG2KV der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.tokai-rika.co.jp/pc
Με την παρούσα ο/η TOKAI RIKA CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός BG2KV πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.tokai-rika.co.jp/pc
Il fabbricante, TOKAI RIKA CO., LTD., dichiara che il tipo di apparecchiatura radio BG2KV è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.tokai-rika.co.jp/pc
Por la presente, TOKAI RIKA CO., LTD. declara que el tipo de equipo radioeléctrico BG2KV es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.tokai-rika.co.jp/pc

O(a) abaixo assinado(a) TOKAI RIKA CO., LTD. declara que o presente tipo de equipamento de rádio BG2KV está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.tokai-rika.co.jp/pc
B'dan, TOKAI RIKA CO., LTD., niddikjara li dan it-tip ta' tagħmir tar-radju BG2KV huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.tokai-rika.co.jp/pc
Käesolevaga deklareerib TOKAI RIKA CO., LTD., et käesolev raadioseadme tüüp BG2KV vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. igazolja, hogy a BG2KV típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. týmto vyhlasuje, že rádiové zariadenie typu BG2KV je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.tokai-rika.co.jp/pc

Tímto TOKAI RIKA CO., LTD. prohlašuje, že typ rádiového zařízení BG2KV je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. potrjuje, da je tip radijske opreme BG2KV skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.tokai-rika.co.jp/pc
Aš, TOKAI RIKA CO., LTD., patvirtinu, kad radijo įrenginių tipas BG2KV atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.tokai-rika.co.jp/pc
Ar šo TOKAI RIKA CO., LTD. deklarē, ka radioiekārta BG2KV atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. niniejszym oświadcza, że typ urządzenia radiowego BG2KV jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD. lýsir því hér með yfir að fjarskiptatækið af gerð BG2KV er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. erklærer herved at radioutstyrtypen BG2KV er i samsvar med direktivet 2014/53/EU. Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet: http://www.tokai-rika.co.jp/pc
С настоящото TOKAI RIKA CO., LTD. декларира, че този тип радиосъоръжение BG2KV е в съответствие с Директива 2014/53/EC. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://www.tokai-rika.co.jp/pc
Prin prezenta, TOKAI RIKA CO., LTD. declară că tipul de echipamente radio BG2KV este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.tokai-rika.co.jp/pc
Ovime TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BG2KV u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://www.tokai-rika.co.jp/pc

Me anë të këtij dokumenti, TOKAI RIKA CO., LTD. deklaron se tipi i radiopajisjes BG2KV është në përputhje me Direktivën 2014/53/EU. Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. ovime izjavljuje da je radijska oprema tipa BG2KV u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: ‼ HYPERLINK "http://www.tokai-rika.co.jp/pc" http://www.tokai-rika.co.jp/pc
Ovim TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BG2KV u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD., işbu belgeyle telsiz cihazı türünün BG2KV 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir. AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz: http://www.tokai-rika.co.jp/pc

CE

Address: 3-260 Toyota, Oguchi-cho, Niwa-gun, Aichi 480-0195, Japan

Receiver Category (EN300 220): 3

Hereby, TOKAI RIKA CO., LTD. declares that the radio equipment type BR2EX is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.tokai-rika.co.jp/pc Frequency band: 433.050 - 434.790 MHz Maximum radio-frequency power: 10mW(ERP)
TOKAI RIKA CO., LTD. vakuuttaa, että radiolaitetyyppi BR2EX on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.tokai-rika.co.jp/pc Radiotaajuus: 433.050 - 434.790 MHz suurin mahdollinen lähetysteho: 10mW(ERP)
Hierbij verklaar ik, TOKAI RIKA CO., LTD., dat het type radioapparatuur BR2EX conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.tokai-rika.co.jp/pc Frequentieband: 433.050 - 434.790 MHz Maximaal radiofrequentievermogen: 10mW(ERP)

Le soussigné, TOKAI RIKA CO., LTD., déclare que l'équipement radioélectrique du type BR2EX est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.tokai-rika.co.jp/pc Bande de fréquences: 433.050 - 434.790 MHz Puissance de radiofréquence maximale: 10mW(ERP)
Härmed försäkrar TOKAI RIKA CO., LTD. att denna typ av radioutrustning BR2EX överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.tokai-rika.co.jp/pc Frekvensband: 433.050 - 434.790 MHz Maximal radiofrekvenseffekt: 10mW(ERP)
Hermed erklærer TOKAI RIKA CO., LTD., at radioudstyrstypen BR2EX er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.tokai-rika.co.jp/pc Frekvensbånd: 433.050 - 434.790 MHz Maksimal radiofrekvenseffekt: 10mW(ERP)

Hiermit erklärt TOKAI RIKA CO., LTD., dass der Funkanlagentyp BR2EX der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.tokai-rika.co.jp/pc Frequenzband: 433.050 - 434.790 MHz Abgestrahlte maximale Sendeleistung: 10mW(ERP)
Με την παρούσα ο/η TOKAI RIKA CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός BR2EX πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.tokai-rika.co.jp/pc Ζώνη συχνοτήτων: 433.050 - 434.790 MHz Μέγιστη ισχύς ραδιοσυχνότητας: 10mW(ERP)
Il fabbricante, TOKAI RIKA CO., LTD., dichiara che il tipo di apparecchiatura radio BR2EX è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.tokai-rika.co.jp/pc Banda di frequenza: 433.050 - 434.790 MHz Potenza massima radiofrequenza: 10mW(ERP)

Por la presente, TOKAI RIKA CO., LTD. declara que el tipo de equipo radioeléctrico BR2EX es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.tokai-rika.co.jp/pc Banda de frecuencia: 433.050 - 434.790 MHz Potencia máxima de radiofrecuencia: 10mW(ERP)
O(a) abaixo assinado(a) TOKAI RIKA CO., LTD. declara que o presente tipo de equipamento de rádio BR2EX está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.tokai-rika.co.jp/pc Banda de frequência: 433.050 - 434.790 MHz Potência máxima de radiofrequências: 10mW(ERP)
B'dan, TOKAI RIKA CO., LTD., niddikjara li dan it-tip ta' tagħmir tar-radju BR2EX huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.tokai-rika.co.jp/pc Tíðnisvið: 433.050 - 434.790 MHz Hámarks útvarpsbylgjutíðni: 10mW(ERP)

Käesolevaga deklareerib TOKAI RIKA CO., LTD., et käesolev raadioseadme tüüp BR2EX vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.tokai-rika.co.jp/pc Sagedusriba: 433.050 - 434.790 MHz Maksimaalne saatevõimsus: 10mW(ERP)
TOKAI RIKA CO., LTD. igazolja, hogy a BR2EX típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.tokai-rika.co.jp/pc Frekvenciasáv: 433.050 - 434.790 MHz Maximális jelerősség: 10mW(ERP)
TOKAI RIKA CO., LTD. týmto vyhlasuje, že rádiové zariadenie typu BR2EX je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.tokai-rika.co.jp/pc Frekvenčné pásmo: 433.050 - 434.790 MHz Maximálny rádiofrekvenčný výkon: 10mW(ERP)

Tímto TOKAI RIKA CO., LTD. prohlašuje, že typ rádiového zařízení BR2EX je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.tokai-rika.co.jp/pc Kmitočtové pásmo: 433.050 - 434.790 MHz Maximální radiofrekvenční výkon: 10mW(ERP)
TOKAI RIKA CO., LTD. potrjuje, da je tip radijske opreme BR2EX skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.tokai-rika.co.jp/pc Frekvenčni pas: 433.050 - 434.790 MHz Največja moč radijske frekvence: 10mW(ERP)
Aš, TOKAI RIKA CO., LTD., patvirtinu, kad radijo įrenginių tipas BR2EX atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.tokai-rika.co.jp/pc Dažnių juosta: 433.050 - 434.790 MHz Didžiausia radijo dažnių galia: 10mW(ERP)

Ar šo TOKAI RIKA CO., LTD. deklarē, ka radioiekārta BR2EX atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.tokai-rika.co.jp/pc Frekvenču josla: 433.050 - 434.790 MHz Maksimālā radiofrekvenču jauda: 10mW(ERP)
TOKAI RIKA CO., LTD. niniejszym oświadcza, że typ urządzenia radiowego BR2EX jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.tokai-rika.co.jp/pc Zakres częstotliwości: 433.050 - 434.790 MHz Maksymalna moc częstotliwości radiowej: 10mW(ERP)
TOKAI RIKA CO., LTD. lýsir því hér með yfir að fjarskiptatækið af gerð BR2EX er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://www.tokai-rika.co.jp/pc Tíðnisvið: 433.050 - 434.790 MHz Hámarks útvarpsbylgjutíðni: 10mW(ERP)

TOKAI RIKA CO., LTD. erklærer herved at radioutstyrtypen BR2EX er i samsvar med direktivet 2014/53/EU. Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet: http://www.tokai-rika.co.jp/pc Frekvensbånd: 433.050 - 434.790 MHz Maksimal radiofrekvenseffekt: 10mW(ERP)
С настоящото TOKAI RIKA CO., LTD. декларира, че този тип радиосъоръжение BR2EX е в съответствие с Директива 2014/53/EC. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://www.tokai-rika.co.jp/pc Радиочестотна лента: 433.050 - 434.790 MHz Максимална радиочестотна мощност: 10mW(ERP)
Prin prezenta, TOKAI RIKA CO., LTD. declară că tipul de echipamente radio BR2EX este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.tokai-rika.co.jp/pc Banda de frecvență: 433.050 - 434.790 MHz Puterea maximă de radiofrecvență: 10mW(ERP)

Ovime TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BR2EX u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://www.tokai-rika.co.jp/pc Frekvencijski opseg: 433.050 - 434.790 MHz Maksimalna radio-frekvencijska snaga: 10mW(ERP)
Me anë të këtij dokumenti, TOKAI RIKA CO., LTD. deklaron se tipi i radiopajisjes BR2EX është në përputhje me Direktivën 2014/53/EU. Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit: http://www.tokai-rika.co.jp/pc Brezi i frekuencës: 433.050 - 434.790 MHz Fuqia maksimale e radiofrekuencës: 10mW(ERP)
TOKAI RIKA CO., LTD. ovime izjavljuje da je radijska oprema tipa BR2EX u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://www.tokai-rika.co.jp/pc Frekvencijski pojas: 433.050 - 434.790 MHz Maksimalna RF snaga: 10mW(ERP)

Ovim TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BR2EX u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi: http://www.tokai-rika.co.jp/pc Frekventni opseg: 433.050 - 434.790 MHz Maksimalna radio-frekventna snaga: 10mW(ERP)
TOKAI RIKA CO., LTD., işbu belgeyle telsiz cihazı türünün BR2EX 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir. AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz: http://www.tokai-rika.co.jp/pc Frekans bandı: 433.050 - 434.790 MHz Maksimum radyo frekans gücü: 10mW(ERP)

CE

Address: 3-260 Toyota, Oguchi-cho, Niwa-gun, Aichi 480-0195, Japan

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

Hereby, TOYOTA MOTOR CORPORATION declares that the radio equipment type TMLF15-1 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
http://my.toyota.eu

Frequency band: 119 - 135 kHz
Maximum radio-frequency power: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION vakuuttaa, että radiolaitetyyppi TMLF15-1 on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
http://my.toyota.eu

Radiotaajuus: 119 - 135 kHz
suurin mahdollinen lähetysteho: 55dBμA/m @10m

Hierbij verklaar ik, TOYOTA MOTOR CORPORATION, dat het type radioapparatuur TMLF15-1 conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
http://my.toyota.eu

Frequentieband: 119 - 135 kHz
Maximaal radiofrequentievermogen: 55dBμA/m @10m

Le soussigné, TOYOTA MOTOR CORPORATION, déclare que l'équipement radioélectrique du type TMLF15-1 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://my.toyota.eu Bande de fréquences: 119 - 135 kHz Puissance de radiofréquence maximale: 55dBμA/m @10m
Härmed försäkrar TOYOTA MOTOR CORPORATION att denna typ av radioutrustning TMLF15-1 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://my.toyota.eu Frekvensband: 119 - 135 kHz Maximal radiofrekvenseffekt: 55dBμA/m @10m
Hermed erklærer TOYOTA MOTOR CORPORATION, at radioudstyrstypen TMLF15-1 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://my.toyota.eu Frekvensbånd: 119 - 135 kHz Maksimal radiofrekvenseffekt: 55dBμA/m @10m

Hiermit erklärt TOYOTA MOTOR CORPORATION, dass der Funkanlagentyp TMLF15-1 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://my.toyota.eu Frequenzband: 119 - 135 kHz Abgestrahlte maximale Sendeleistung: 55dBμA/m @10m
Με την παρούσα ο/η TOYOTA MOTOR CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός TMLF15-1 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://my.toyota.eu Ζώνη συχνοτήτων: 119 - 135 kHz Μέγιστη ισχύς ραδιοσυχνότητας: 55dBμA/m @10m
Il fabbricante, TOYOTA MOTOR CORPORATION, dichiara che il tipo di apparecchiatura radio TMLF15-1 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://my.toyota.eu Banda di frequenza: 119 - 135 kHz Potenza massima radiofrequenza: 55dBμA/m @10m

Por la presente, TOYOTA MOTOR CORPORATION declara que el tipo de equipo radioeléctrico TMLF15-1 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://my.toyota.eu Banda de frecuencia: 119 - 135 kHz Potencia máxima de radiofrecuencia: 55dBμA/m @10m
O(a) abaixo assinado(a) TOYOTA MOTOR CORPORATION declara que o presente tipo de equipamento de rádio TMLF15-1 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://my.toyota.eu Banda de frequência: 119 - 135 kHz Potência máxima de radiofrequências: 55dBμA/m @10m
B'dan, TOYOTA MOTOR CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju TMLF15-1 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://my.toyota.eu Tíðnisvið: 119 - 135 kHz Hámarks útvarpsbylgjutíðni: 55dBμA/m @10m

Käesolevaga deklareerib TOYOTA MOTOR CORPORATION, et käesolev raadioseadme tüüp TMLF15-1 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://my.toyota.eu Sagedusriba: 119 - 135 kHz Maksimaalne saatevõimsus: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION igazolja, hogy a TMLF15-1 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://my.toyota.eu Frekvenciasáv: 119 - 135 kHz Maximális jelerősség: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION týmto vyhlasuje, že rádiové zariadenie typu TMLF15-1 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://my.toyota.eu Frekvenčné pásmo: 119 - 135 kHz Maximálny rádiofrekvenčný výkon: 55dBµA/m @10m

Tímto TOYOTA MOTOR CORPORATION prohlašuje, že typ rádiového zařízení TMLF15-1 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://my.toyota.eu Kmitočtové pásmo: 119 - 135 kHz Maximální radiofrekvenční výkon: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION potrjuje, da je tip radijske opreme TMLF15-1 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://my.toyota.eu Frekvenčni pas: 119 - 135 kHz Največja moč radijske frekvence: 55dBμA/m @10m
Aš, TOYOTA MOTOR CORPORATION, patvirtinu, kad radijo įrenginių tipas TMLF15-1 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://my.toyota.eu Dažnių juosta: 119 - 135 kHz Didžiausia radijo dažnių galia: 55dBμA/m @10m

Ar šo TOYOTA MOTOR CORPORATION deklarē, ka radioiekārta TMLF15-1 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://my.toyota.eu Frekvenču josla: 119 - 135 kHz Maksimālā radiofrekvenču jauda: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION niniejszym oświadcza, że typ urządzenia radiowego TMLF15-1 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://my.toyota.eu Zakres częstotliwości: 119 - 135 kHz Maksymalna moc częstotliwości radiowej: 55dBµA/m @10m
TOYOTA MOTOR CORPORATION lýsir því hér með yfir að fjarskiptatækið af gerð TMLF15-1 er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://my.toyota.eu Tíðnisvið: 119 - 135 kHz Hámarks útvarpsbylgjutíðni: 55dBµA/m @10m

TOYOTA MOTOR CORPORATION erklærer herved at radioutstyrtypen TMLF15-1 er i samsvar med direktivet 2014/53/EU.

Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet:
http://my.toyota.eu

Frekvensbånd: 119 - 135 kHz
Maksimal radiofrekvenseffekt: 55dBμA/m @10m

С настоящото TOYOTA MOTOR CORPORATION декларира, че този тип радиосъоръжение TMLF15-1 е в съответствие с Директива 2014/53/ЕС.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
http://my.toyota.eu

Радиочестотна лента: 119 - 135 kHz
Максимална радиочестотна мощност: 55dBμA/m @10m

Prin prezenta, TOYOTA MOTOR CORPORATION declară că tipul de echipamente radio TMLF15-1 este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:
http://my.toyota.eu

Banda de frecvență: 119 - 135 kHz
Puterea maximă de radiofrecvență: 55dBμA/m @10m

Ovime TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMLF15-1 u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://my.toyota.eu Frekvencijski opseg: 119 - 135 kHz Maksimalna radio-frekvencijska snaga: 55dBμA/m @10m
Me anë të këtij dokumenti, TOYOTA MOTOR CORPORATION deklaron se tipi i radiopajisjes TMLF15-1 është në përputhje me Direktivën 2014/53/EU. Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit: http://my.toyota.eu Brezi i frekuencës: 119 - 135 kHz Fuqia maksimale e radiofrekuencës: 55dBμA/m @10m
TOYOTA MOTOR CORPORATION ovime izjavljuje da je radijska oprema tipa TMLF15-1 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://my.toyota.eu Frekvencijski pojas: 119 - 135 kHz Maksimalna RF snaga: 55dBμA/m @10m

Ovim TOYOTA MOTOR CORPORATION potvrđuje da je radio-oprema tipa TMLF15-1 u skladu sa Direktivom 2014/53/EU.

Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi:
http://my.toyota.eu

Frekventni opseg: 119 - 135 kHz
Maksimalna radio-frekventna snaga: 55dBμA/m @10m

TOYOTA MOTOR CORPORATION, işbu belgeyle telsiz cihazı türünün TMLF15-1 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir.

AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz:
http://my.toyota.eu

Frekans bandı: 119 - 135 kHz
Maksimum radyo frekans gücü: 55dBμA/m @10m

TOYOTA

TOYOTA MOTOR CORPORATION

1, TOYOTA-CHO, TOYOTA, AICHI, 471-8571, JAPAN TEL: +81-565-28-2121

EU Declaration of Conformity

CE

1. Radio equipment (Product / Type):

   Smart LF Oscillator / TMLF15-1

2. Name and address of the manufacturer:

   TOYOTA MOTOR CORPORATION
   1, Toyota -cho, Toyota, Aichi, 471-8572, Japan

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

   TMLF15-1

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

   Directive 2014/53/EU

6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

(Health & safety requirements)	EN 60950-1:2006 + Amd.11:2009 + Amd.1:2010 + Amd.12:2011 + Amd.2:2013
(EMC requirements)	EN 301 489-1 V1.9.2 & EN 301 489-3 V1.6.1
(Effective uses of radio spectrum)	EN 300 330 V2.1.1

7. The notified body:

   Not Applicable

8. Accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity:

   Not Applicable

9. Additional information:

   None

Place and date of issue: Japan, April 10, 2017

Signature: Tomoo Kakegawa

Tomoo Kakegawa

Function: General Manager

WARNING

■ **Caution regarding interference with electronic devices**

- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should keep away from the smart entry & start system antennas. (→P. 185)
  The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.
- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
  Radio waves could have unexpected effects on the operation of such medical devices.

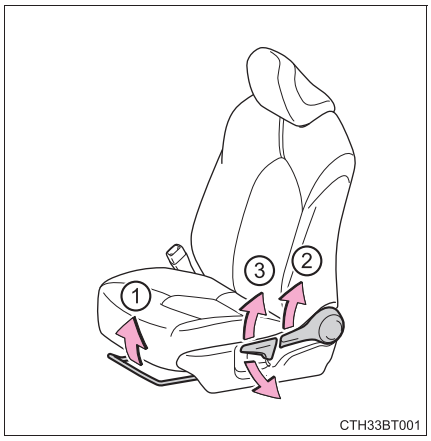
Ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details for disabling the entry function.

Front seats

Adjustment procedure

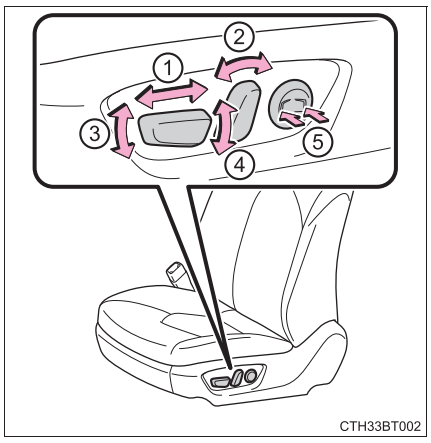
▶ Manual seat

① Seat position adjustment lever
② Seatback angle adjustment lever
③ Vertical height adjustment lever



▶ Power seat

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



WARNING

■ When adjusting the seat position

- Take care when adjusting the seat position to ensure that other passengers are not injured by the moving seat.
- Do not put your hands under the seat or near the moving parts to avoid injury.
  Fingers or hands may become jammed in the seat mechanism.
- Make sure to leave enough space around the feet so they do not get stuck.

■ Seat adjustment

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

NOTICE

■ When adjusting a front seat

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

Rear seats

Folding type:

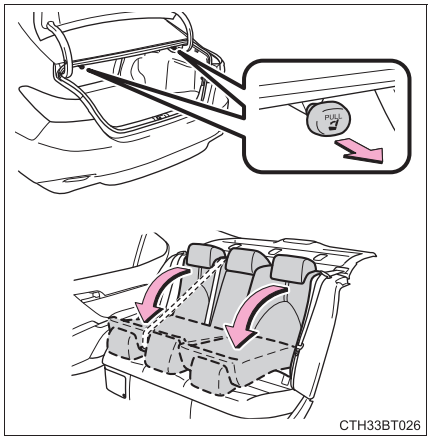
The seatbacks of the rear seats can be folded down.

Reclining type:

The seatbacks of the rear seats can be adjusted to a comfortable position.

Folding down the rear seatbacks (folding type)

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

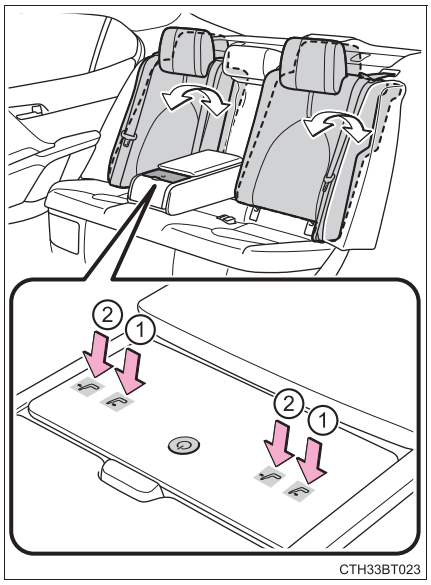


Adjusting seatback angle (reclining type)

Press  to display the buttons and then touch  or . The seatback moves as long as the button is touched and held.

① To move forward

② To move backward



■ **Customization (reclining type)**

Changing the settings of the rear control panel (→P. 422)

WARNING

■ **When folding the seatbacks down (folding type)**

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

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

■ **When returning the seat to its original position (folding type)**

- Ensure that the seat belt does not get caught between or behind the seats.
- If the seat belt has been released from its guide, pass the seat belt through its guide. (→P. 40)

■ **Seat adjustment**

- Reclining type: To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.
  If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.
  Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.
- Folding type: Be careful not to get hands or feet pinched between the rear console box and the rear seat when folding down the rear seatback.

■ **After returning the seatback to the upright position (folding type)**

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

- Make sure the seatback is securely locked by pressing it forward and rearward on the top.
- Check that the seat belts are not twisted or caught in the seatback.
- Make sure that the seat belt is passed through its guide.

NOTICE

■ **When the right seatback is folded down (folding type)**

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

Head restraints

Head restraints are provided for all seats.

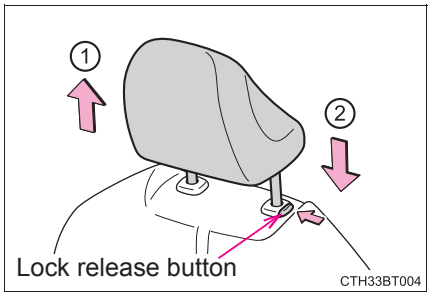
▶ Adjustable type

① Up

Pull the head restraint up.

② Down

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



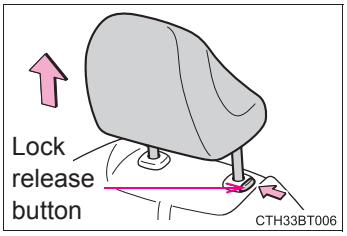
▶ Integrated type

Head restraints cannot be adjusted or removed.

■ Removing the head restraints

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

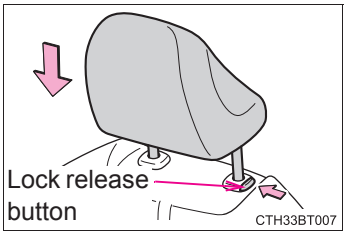
Front seats: If the head restraint touches the ceiling, making the removal difficult, change the seat height or angle.
(→P. 222)



■ Installing the head restraints

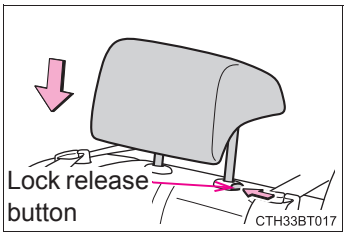
▶ Front seats and reclining type rear outboard seats

Align the head restraint with the installation holes and push it down to the lock position.
Press and hold the lock release button when lowering the head restraint.



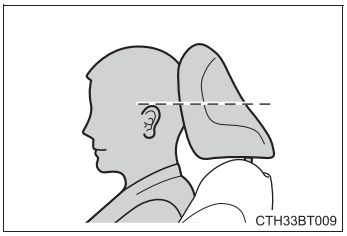
▶ Reclining type rear center seat and outboard seats of the rear folding seat

Align the head restraint with the installation holes and push it down to the lowest lock position while pressing the lock release button.



■ Adjusting the height of the head restraints (front seats and reclining type rear outboard seats)

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



■ Adjusting the rear seat head restraint (except reclining type rear outboard seats)

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

WARNING

■ Head restraint precautions

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

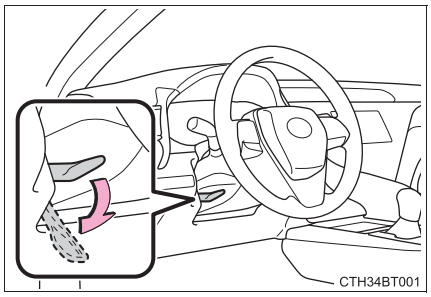
- Use the head restraints designed for each respective seat.
- Adjust the head restraints to the correct position at all times.
- After adjusting the head restraints, push down on them and make sure they are locked in position.
- Do not drive with the head restraints removed.
  (However, if a head restraint interferes with installation of a child restraint system, the head restraint can be removed to accommodate the child restraint system: →P. 60)

Steering wheel

Adjustment procedure

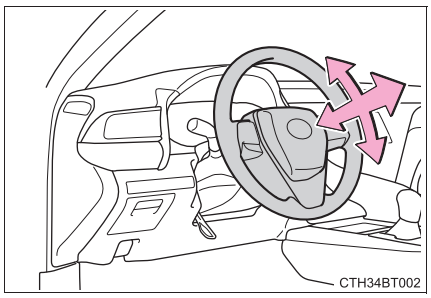
▶ Manual type

1 Hold the steering wheel and push the lever down.



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

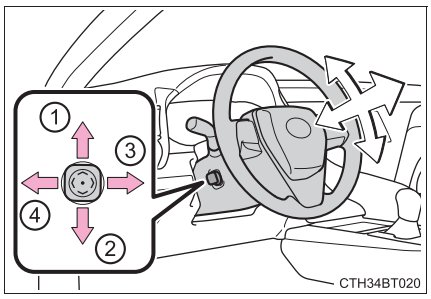
After adjustment, pull the lever up to secure the steering wheel.



▶ Power type

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

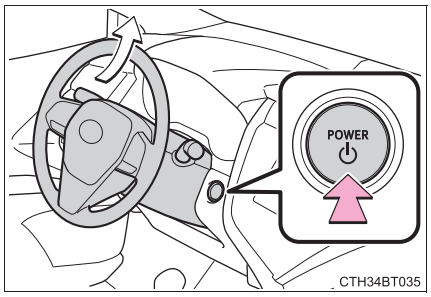
① Up
② Down
③ Toward the driver
④ Away from the driver



Auto tilt away (power type)

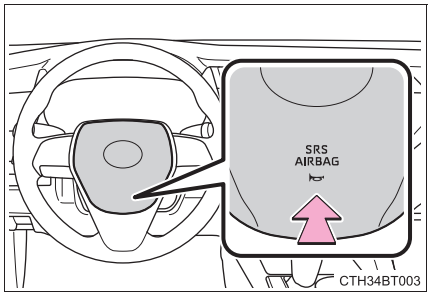
When the power switch is turned off, the steering wheel returns to its stowed position by moving up and away to enable easier driver entry and exit.

Turning the power switch to ACCESSORY or ON mode will return the steering wheel to the original position.



Horn

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



The steering wheel can be adjusted when (power type)

The power switch is in ACCESSORY or ON mode.

Customization

Some functions can be customized. (→P. 609)

WARNING

Caution while driving

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

After adjusting the steering wheel (manual type)

Make sure that the steering wheel is securely locked.
Otherwise, the steering wheel may move suddenly, possibly causing an accident, and resulting in death or serious injury. Also, the horn may not sound if the steering wheel is not securely locked.

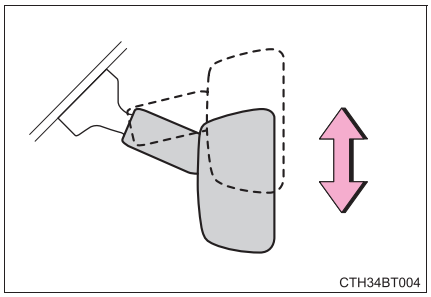
Inside rear view mirror

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

Adjusting the height of rear view mirror

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

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

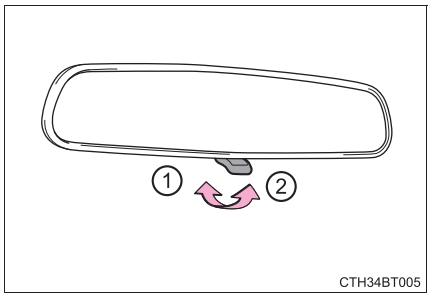


Anti-glare function

▶ Manual anti-glare inside rear view mirror

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

① Normal position
② Anti-glare position



▶ Auto anti-glare inside rear view mirror

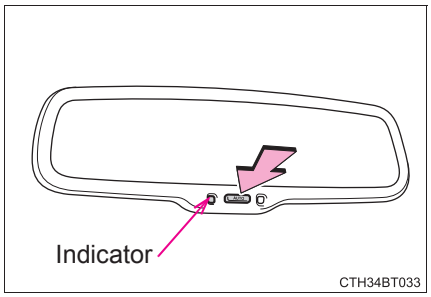
Responding to the level of brightness of the headlights of vehicles behind, the reflected light is automatically reduced.

Changing automatic anti-glare function mode

On/off

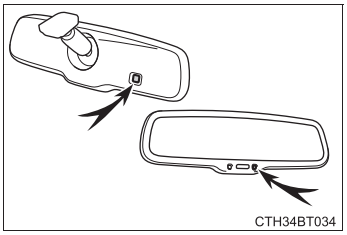
When the automatic anti-glare function is in ON mode, the indicator illuminates.

The function will set to ON mode each time the power switch is turned to ON mode.
Pressing the button turns the function to OFF mode. (The indicator also turns off.)



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

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



⚠ WARNING

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

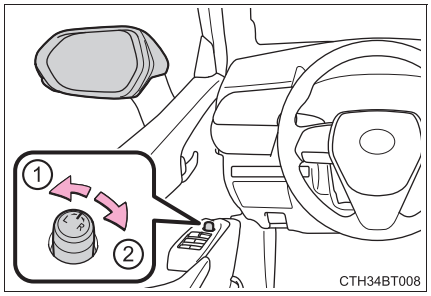
Outside rear view mirrors

Adjustment procedure

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

① Left

② Right



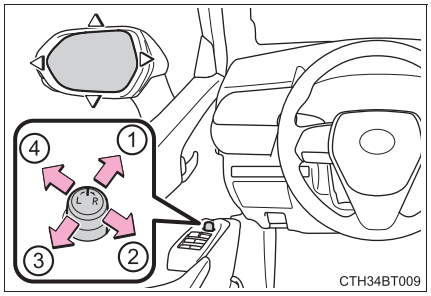
2 To adjust the mirror, operate the switch.

① Up

② Right

③ Down

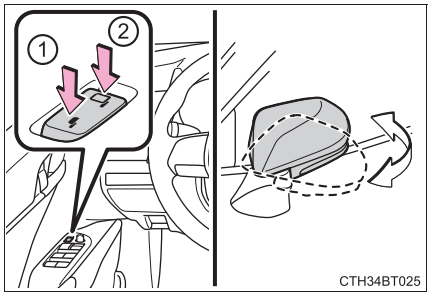
④ Left



Folding and extending the mirrors

① Folds the mirrors

② Extends the mirrors



■ **Mirror angle can be adjusted when**

The power switch is in ACCESSORY or ON mode.

■ **Rain clearing mirrors (if equipped)**

Water droplets that have collected on the mirror surface are spread out by a coating that has a rain clearing (hydrophilic) effect, making the rear view clearer during rainy weather.
When dirt, dust, etc. collect on the mirror surface the rain clearing effect will be temporarily reduced, however the mirrors have a function that will chemically break down any dirt, dust, etc. that is attached to it with exposure to direct sunlight, gradually restoring the rain clearing effect.

- In the following cases, the rain clearing effect will be reduced temporarily, but will gradually be restored after 1 or 2 days' exposure to direct sunlight during sunny weather. If it is desirable to restore the function quickly, perform the rain clearing effect restoration operations. (→P. 455)
  - When dirt or foreign items are on the mirror surface, a bare hand has touched the mirror surface, the mirror surface has been wiped by a dirty cloth, etc.
  - When detergent or wax is attached to the mirror surface due to washing your vehicle
  - After your vehicle has been parked for a long period in an underground parking lot or location where there is no direct sunlight
- Take extra care in the following situations. The rain clearing effect cannot be restored.
  - When car maintenance products that contain silicon touch the mirror surface
  - When the mirror has been scratched

■ **When the mirrors are fogged up**

The outside rear view mirrors can be cleared using the mirror defoggers. Turn on the rear window defogger to turn on the outside rear view mirror defoggers. (→P. 418)

WARNING

■ **Important points while driving**

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

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

■ **When a mirror is moving**

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

■ **When the mirror defoggers are operating**

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

NOTICE

■ **Handling of the rain clearing mirrors (if equipped)**

The rain clearing effect is finite. Observe the following precautions in order to retain the rain clearing properties of the mirrors:

- When using water repellent, oil film remover, wax, or any other car maintenance product that contains silicone, pay full attention not to adhere it to the mirror surface.
- Do not wipe the mirror surface by using any cloth smeared with sand, oil film remover, abrasive agent, or any other thing that may scratch the mirror surface.
- When the mirrors become iced up, remove the ice by applying warm water. But, do not attempt to scrape the ice off by using the plastic plate, etc.
- When washing your vehicle using car shampoo with water repellent effect, rinse the mirror surface with a lot of water, and remove the water drops by using a clean and soft cloth.

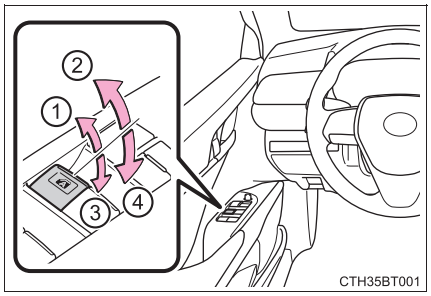
Power windows

Opening and closing procedures

The power windows can be opened and closed using the switches. Operating the switch moves the windows as follows:

① Closing
② One-touch closing*
③ Opening
④ One-touch opening*

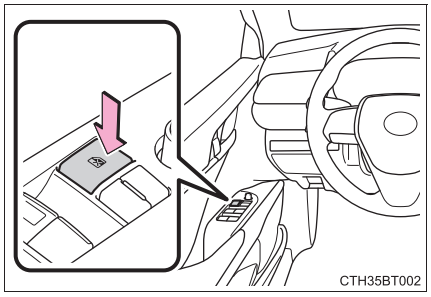
*: To stop the window partway, operate the switch in the opposite direction.



Window lock switch

Press the switch to lock the passenger window switches.

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



■ The power windows can be operated when

The power switch is in ON mode.

■ Operating the power windows after turning the hybrid system off

The power windows can be operated for approximately 45 seconds even after the power switch is turned to ACCESSORY mode or turned off. They cannot, however, be operated once either front door is opened.

■ Jam protection function

If an object becomes jammed between the window and the window frame while the window is closing, window movement is stopped and the window is opened slightly.

■ **Catch protection function**

If an object becomes caught between the door and window while the window is opening, window movement is stopped.

■ **When the window cannot be opened or closed**

When the jam protection function or catch protection function operates unusually and the door window cannot be opened or closed, perform the following operations with the power window switch of that door.

- Stop the vehicle. With the power switch in ON mode, within 4 seconds of the jam protection function or catch protection function activating, continuously operate the power window switch in the one-touch closing direction or one-touch opening direction so that the door window can be opened and closed.
- If the door window cannot be opened and closed even when performing the above operations, perform the following procedure for function initialization.

1. Turn the power switch to ON mode.
2. Pull and hold the power window switch in the one-touch closing direction and completely close the door window.
3. Release the power window switch for a moment, resume pulling the switch in the one-touch closing direction, and hold it there for approximately 6 seconds or more.
4. Press and hold the power window switch in the one-touch opening direction. After the door window is completely opened, continue holding the switch for an additional 1 second or more.
5. Release the power window switch for a moment, resume pushing the switch in the one-touch opening direction, and hold it there for approximately 4 seconds or more.
6. Pull and hold the power window switch in the one-touch closing direction again. After the door window is completely closed, continue holding the switch for a further 1 second or more.

If you release the switch while the window is moving, start again from the beginning.

If the window reverses and cannot be fully closed or opened, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Door lock linked window operation**

- The power windows can be opened and closed using the mechanical key.* (→P. 577)
- The power windows can be opened and closed using the wireless remote control.* (→P. 174)

*: These settings must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Alarm (if equipped)**

The alarm may be triggered if the alarm is set and a power window is closed using the door lock linked power window operation function. (→P. 127)

■ **Power windows open warning buzzer**

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

■ **Customization**

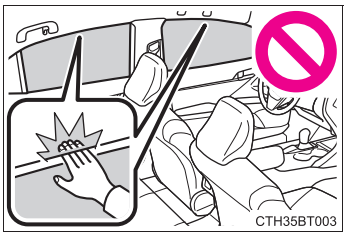
Some functions can be customized. (→P. 609)

WARNING

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

■ Opening and 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. 237)
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window is being operated.



- When using the wireless remote control or mechanical key and operating the power windows, operate the power window after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window. Also do not let a child operate window by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the power window.
- When exiting the vehicle, turn the power switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

■ Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets jammed just before the window is fully closed. Be careful not to get any part of your body jammed in the window.

■ Catch protection function

- Never use any part of your body or clothing to intentionally activate the catch protection function.
- The catch protection function may not work if something gets caught just before the window is fully opened. Be careful not to get any part of your body or clothing caught in the window.

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Driving the vehicle

The following procedures should be observed to ensure safe driving:

Starting the hybrid system

→P. 252

Driving

1 With the brake pedal depressed, shift the shift lever to D. (→P. 261)

2 Release the parking brake. (→P. 268)

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

Stopping

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

2 If necessary, set the parking brake.

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P. (→P. 261)

Parking the vehicle

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

2 Set the parking brake (→P. 268), and shift the shift lever to P (→P. 261).

3 Press the power switch to stop the hybrid system.

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

If parking on a hill, block the wheels as needed.

Starting off on a steep uphill

1 Make sure that the parking brake is set and shift the shift lever to D.

2 Gently depress the accelerator pedal.

3 Release the parking brake.

■ **When starting off on an uphill**

The hill-start assist control will activate. (→P. 349)

■ **For fuel-efficient driving**

Keep in mind that hybrid vehicles are similar to conventional vehicles, and it is necessary to refrain from activities such as sudden acceleration. (→P. 405)

■ **Coasting (Auto Glide Control)**

When Eco drive mode is selected, under certain conditions, Auto Glide Control will operate automatically and allow the vehicle coast, enhancing fuel economy. (→P. 404)

■ **Driving in the rain**

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

■ **Restraining hybrid system output (Brake Override System)**

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

■ **ECO Accelerator Guidance (→P. 146)**

Eco-friendly driving may be achieved more easily by staying within the zone of Eco acceleration. Also, by staying within the zone of Eco acceleration, it will be easier to obtain a good Eco score.

- When starting off:

  Gradually depress the accelerator pedal to stay within the zone of Eco acceleration and accelerate to the desired speed. By refraining from excessive acceleration, a good eco start score will be obtained.

- When driving:

  After accelerating to the desired speed, release the accelerator pedal and drive at a stable speed while staying within the zone of Eco acceleration. By staying within the zone of Eco acceleration, a good eco cruise score will be obtained.

- When stopping:

  By starting to release the accelerator pedal early before decelerating, a good eco stop score will be obtained.

■ **Restraining sudden start (Drive-Start Control)**

- When the following unusual operation is performed, the hybrid system output may be restrained.
  - When the shift lever is shifted from R to D, D to R, N to R, P to D, or P to R (D includes S) with the accelerator pedal depressed, a warning message appears on the multi-information display.
  - When the accelerator pedal is depressed too much while the vehicle is in reverse.
- While Drive-Start Control is being activated, your vehicle may have trouble escaping from the mud or fresh snow. In such case, deactivate TRC (→P. 350) to cancel Drive-Start Control so that the vehicle may become able to escape from the mud or fresh snow.

■ **Breaking in your new Toyota**

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

- For the first 300 km (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.

■ **Operating your vehicle in a foreign country**

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 598, 607)

■ **Eco-friendly driving**

→P. 146, 160

WARNING

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

■ When starting the vehicle

Always keep your foot on the brake pedal while stopped with the “READY” indicator is illuminated. This prevents the vehicle from creeping.

■ When driving the vehicle

- Do not drive if you are unfamiliar with the location of the brake and accelerator pedals to avoid depressing the wrong pedal.
  - Accidentally depressing the accelerator pedal instead of the brake pedal will result in sudden acceleration that may lead to an accident.
  - When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
  - Make sure to keep a correct driving posture even when moving the vehicle only slightly. This allows you to depress the brake and accelerator pedals properly.
  - Depress the brake pedal using your right foot. Depressing the brake pedal using your left foot may delay response in an emergency, resulting in an accident.
- The driver should pay extra attention to pedestrians when the vehicle is powered only by the electric motor (traction motor). As there is no engine noise, the pedestrians may misjudge the vehicle’s movement.
- Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. These hot parts may cause a fire if there is any flammable material nearby.
- During normal driving, do not turn off the hybrid system. Turning the hybrid system off while driving will not cause loss of steering or braking control, however, power assist to the steering will be lost. This will make it more difficult to steer smoothly, so you should pull over and stop the vehicle as soon as it is safe to do so.
  In the event of an emergency, such as if it becomes impossible to stop the vehicle in the normal way: →P. 523
- 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. 261)
- Do not adjust the display, the positions of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
  Doing so may result in a loss of vehicle control.
- Always check that all passengers’ arms, heads or other parts of their body are not outside the vehicle.

WARNING

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

■ When driving on slippery road surfaces

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle.
- Sudden acceleration, engine braking due to shifting, or changes in engine speed could cause the vehicle to skid.
- After driving through a puddle, lightly depress the brake pedal to make sure that the brakes are functioning properly. Wet brake pads may prevent the brakes from functioning properly. If the brakes on only one side are wet and not functioning properly, steering control may be affected.

■ When shifting the shift lever

- Do not let the vehicle roll backward while the shift lever is in a driving position, or roll forward while the shift lever is in R.
  Doing so may result in an accident or damage to the vehicle.
- Do not shift the shift lever to P while the vehicle is moving.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to R while the vehicle is moving forward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to a driving position while the vehicle is moving backward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Shifting the shift lever to N while the vehicle is moving will disengage the hybrid system. Engine braking is not available when N is selected.
- Be careful not to shift the shift lever with the accelerator pedal depressed. Shifting the shift lever to any position other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

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

Have the brake pads checked and replaced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.
Rotor damage may result if the pads are not replaced when needed.

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

WARNING

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

■ When the vehicle is stopped

- Do not depress the accelerator pedal unnecessarily.
  If the shift lever is in any position other than P or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.
- In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while stopped with the “READY” indicator is illuminated, and apply the parking brake as necessary.
- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.
- Avoid revving or racing the engine.
  Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

■ When the vehicle is parked

- Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun.
  Doing so may result in the following:
  - Gas may leak from a cigarette lighter or spray can, and may lead to a fire.
  - The temperature inside the vehicle may cause the plastic lenses and plastic material of glasses to deform or crack.
  - Soft drink cans may fracture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle’s electrical components.
- Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a place such as the glove box or on the floor, it may be lit accidentally when luggage is loaded or the seat is adjusted, causing a fire.
- Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle.
- 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.

WARNING

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

■ When the vehicle is parked

- Always apply the parking brake, shift the shift lever to P, stop the hybrid system and lock the vehicle.
  Do not leave the vehicle unattended while the “READY” indicator is illuminated.
  If the vehicle is parked with the shift lever in P but the parking brake is not set, the vehicle may start to move, possibly leading to an accident.
- Do not touch the exhaust pipes while the “READY” indicator is illuminated or immediately after turning the hybrid system off.
  Doing so may cause burns.

■ When taking a nap in the vehicle

Always turn the hybrid system off. Otherwise, if you accidentally move the shift lever or depress the accelerator pedal, this could cause an accident or fire due to hybrid system overheating. Additionally, if the vehicle is parked in a poorly ventilated area, exhaust gases may collect and enter the vehicle, leading to death or a serious health hazard.

■ When braking

- When the brakes are wet, drive more cautiously.
  Braking distance increases when the brakes are wet, and this may cause one side of the vehicle to brake differently than the other side. Also, the parking brake may not securely hold the vehicle.
- The brake system consists of 2 or more individual hydraulic systems; if one of the systems fails, the other(s) will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase. Have your brakes fixed immediately.
- If the 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.

NOTICE

When driving the vehicle

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

When parking the vehicle

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

Avoiding damage to vehicle parts

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

If you get a flat tire while driving

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

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

Information on what to do in case of a flat tire (→P. 544, 561)

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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer check the following:

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

Cargo and luggage

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

WARNING

■ Things that must not be carried in the trunk

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

- Receptacles containing gasoline
- Aerosol cans

■ Storage precautions

Observe the following precautions.
Failure to do so may prevent the pedals from being depressed properly, may block the driver's vision, or may result in items hitting the driver or passengers, possibly causing an accident.

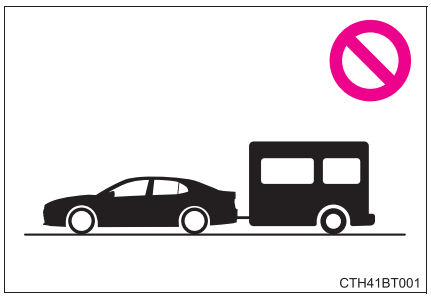
- Stow cargo and luggage in the trunk whenever possible.
- Fold-down type rear seat: To prevent cargo and luggage from sliding forward during braking, do not stack anything in the enlarged trunk. Keep cargo and luggage low, as close to the floor as possible.
- Do not place cargo or luggage in or on the following locations.
  - At the feet of the driver
  - On the front passenger or rear seats (when stacking items)
  - On the package tray
  - On the instrument panel
  - On the dashboard
- Secure all items in the occupant compartment.
- Fold-down type rear seat: When you fold down the rear seats, long items should not be placed directly behind the front seats.
- Fold-down type rear seat: Never allow anyone to ride in the enlarged trunk. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened.

■ Load and distribution

- Do not overload your vehicle.
- Do not apply loads unevenly.
  Improper loading may cause deterioration of steering or braking control which may cause death or serious injury.

Trailer towing

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.



Power (ignition) switch

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

Starting the hybrid system

1 Check that the parking brake is set.

2 Check that the shift lever is in P.

3 Firmly depress the brake pedal.

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

If it is not displayed, the hybrid system cannot be started.

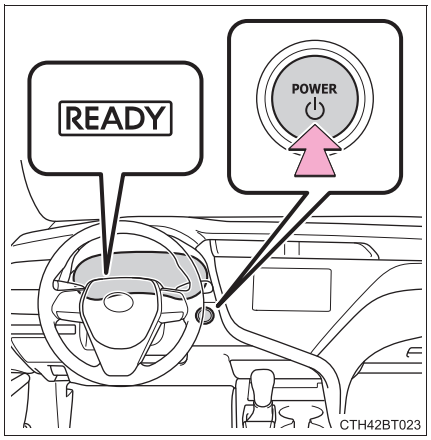
4 Press the power switch shortly and firmly.

When operating the power switch, one short, firm press is enough. It is not necessary to press and hold the switch.

If the “READY” indicator turns on, the hybrid system will operate normally.

Continue depressing the brake pedal until the “READY” indicator is illuminated.

The hybrid system can be started from any power switch mode.



5 Check that the “READY” indicator is illuminated.

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

Stopping the hybrid system

1 Stop the vehicle completely.

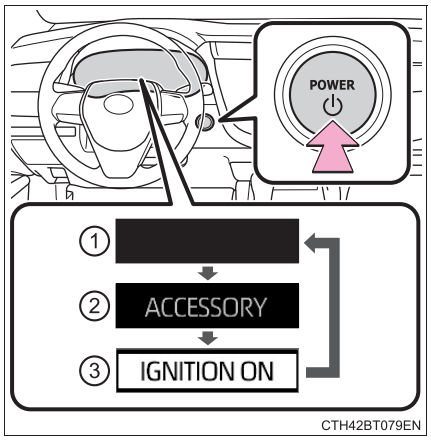
2 Set the parking brake (→P. 268), and shift the shift lever to P.

3 Press the power switch.

Driving-related data will be displayed on the multi-information display.

Changing power switch modes

Modes can be changed by pressing the power switch with brake pedal released. (The mode changes each time the switch is pressed.)



① Off*

The emergency flashers can be used.

② ACCESSORY mode

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

A message indicating how to start the hybrid system will be displayed on the multi-information display.

③ ON mode

All electrical components can be used.

A message indicating how to start the hybrid system will be displayed on the multi-information display.

*: If the shift lever is in a position other than P when turning off the hybrid system, the power switch will be turned to ACCESSORY mode, not to off.

When stopping the hybrid system with the shift lever in a position other than P

If the hybrid system is stopped with the shift lever in a position other than P, the power switch will not be turned off but instead be turned to ACCESSORY mode. Perform the following procedure to turn the switch off:

1 Check that the parking brake is set.

2 Shift the shift lever to P.

3 Check that “Turn Power OFF” is displayed on the multi-information display and then press the power switch once.

4 Check that “Turn Power OFF” on the multi-information display is turned off.

■ **Auto power off function**

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

■ **Sounds and vibrations specific to a hybrid vehicle**

→P. 104

■ **Electronic key battery depletion**

→P. 172

■ **When the ambient temperature is low, such as during winter driving conditions**

When starting the hybrid system, the flashing time of the “READY” indicator may be long. Leave the vehicle as it is until the “READY” indicator is steady on, as steady means the vehicle is able to move.

■ **Conditions affecting operation**

→P. 188

■ **Notes for the entry function**

→P. 189

■ **If the hybrid system does not start**

- The immobilizer system may not have been deactivated. (→P. 112)
  Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Check that the shift lever is securely set in P. The hybrid system may not start if the shift lever is displaced out of P.
- If a message related to start-up is shown on the multi-information display, read the message and follow the instructions.

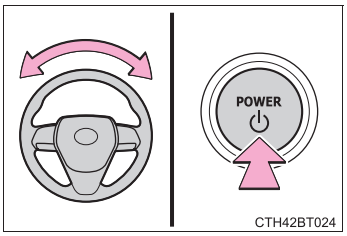
■ **Steering lock**

After turning the power switch off and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the power switch again automatically cancels the steering lock.

■ **When the steering lock cannot be released**

A message informing the driver that the steering wheel is locked will be displayed on the multi-information display.

Check that the shift lever is set in P. Press the power switch while turning the steering wheel left and right.



■ **Steering lock motor overheating prevention**

To prevent the steering lock motor from overheating, the motor may be suspended if the hybrid system is turned on and off repeatedly in a short period of time. In this case, refrain from operating the hybrid system. After about 10 seconds, the steering lock motor will resume functioning.

■ **When a message requesting the smart entry & start system be inspected is displayed on the multi-information display**

The system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **If the "READY" indicator does not come on**

In the event that the "READY" indicator does not come on even after performing the proper procedures for starting the vehicle, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **If the hybrid system is malfunctioning**

→P. 106

■ **If the electronic key battery is depleted**

→P. 507

■ **Operation of the power switch**

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

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

→P. 577

WARNING

■ **When starting the hybrid system**

Always start the hybrid system while sitting in the driver's seat. Do not depress the accelerator pedal while starting the hybrid system under any circumstances.
Doing so may cause an accident resulting in death or serious injury.

■ **Caution while driving**

If hybrid system failure occurs while the vehicle is moving, do not lock or open the doors until the vehicle reaches a safe and complete stop. Activation of the steering lock in this circumstance may lead to an accident, resulting in death or serious injury.

■ **Stopping the hybrid system in an emergency**

- If you want to stop the hybrid system in an emergency while driving the vehicle, press and hold the power switch for more than 2 seconds, or press it briefly 3 times or more in succession. (→P. 523)
  However, do not touch the power switch while driving except in an emergency. Turning the hybrid system off while driving will not cause loss of steering or braking control, however, power assist to the steering will be lost. This will make it more difficult to steer smoothly, so you should pull over and stop the vehicle as soon as it is safe to do so.
- If the power switch is operated while the vehicle is running, a warning message will be shown on the multi-information display and a buzzer sounds.
- When restarting the hybrid system after an emergency shutdown while driving, press the power switch. When restarting the hybrid system after stopping the vehicle, change the shift position to P and then press the power switch.

NOTICE

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

- Do not leave the power switch in ACCESSORY or ON mode for long periods of time without the hybrid system on.
- If “ACCESSORY” or “IGNITION ON” is displayed on the multi-information display, the power switch is not off. Exit the vehicle after turning the power switch off.
- Do not stop the hybrid system when the shift lever is in a position other than P. If the hybrid system is stopped in another shift lever position, the power switch will not be turned off but instead be turned to ACCESSORY mode. If the vehicle is left in ACCESSORY mode, 12-volt battery discharge may occur.

■ **When starting the hybrid system**

- Do not depress the accelerator pedal unnecessarily.
- If the hybrid system becomes difficult to start, have your vehicle checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **Symptoms indicating a malfunction with the power switch**

If the power switch seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

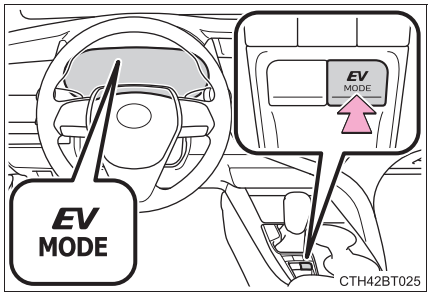
EV drive mode

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

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

Turns EV drive mode on/off

When EV drive mode is turned on, the EV drive mode indicator will come on. Pressing the switch when in EV drive mode will return the vehicle to normal driving (using the gasoline engine and electric motor [traction motor]).



Situations in which EV drive mode cannot be turned on

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

- The temperature of the hybrid system is high.
  The vehicle has been left in the sun, driven on a hill, driven at high speeds, etc.
- The temperature of the hybrid system is low.
  The vehicle has been left in temperatures lower than about 0°C (32°F) for a long period of time etc.
- The gasoline engine is warming up.
- The hybrid battery (traction battery) is low.
  The remaining battery level indicated in the energy monitor display is low. (→P. 164)
- Vehicle speed is high.
- The accelerator pedal is depressed firmly or the vehicle is on a hill etc.
- The windshield defogger is in use.

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

If the hybrid system is started while the gasoline engine is cold, the gasoline engine will start automatically after a short period of time in order to warm up. In this case, you will become unable to switch to EV drive mode.
After the hybrid system has started and the “READY” indicator has illuminated, press the EV drive mode switch before the gasoline engine starts to switch to EV drive mode.

■ **Automatic cancelation of EV drive mode**

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

- The hybrid battery (traction battery) becomes low.
  The remaining battery level indicated in the energy monitor display is low. (→P. 164)
- Vehicle speed is high.
- The accelerator pedal is depressed firmly or the vehicle is on a hill etc.

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

■ **Possible driving distance when driving in EV drive mode**

EV drive mode’s possible driving distance ranges from a few hundred meters to approximately 1 km (0.9 miles). However, depending on vehicle conditions, there are situations when EV drive mode cannot be used.
(The distance that is possible depends on the hybrid battery [traction battery] level and driving conditions.)

■ **Fuel economy**

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

■ **If “EV Mode Unavailable” is shown on the multi-information display**

The EV drive mode is not available. The reason the EV drive mode is not available (the vehicle is idling, battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Use the EV drive mode when it becomes available.

■ **If “EV Mode Deactivated” is shown on the multi-information display**

The EV drive mode has been automatically canceled. The reason the EV drive mode is not available (the battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Drive the vehicle for a while before attempting to turn on the EV drive mode again.

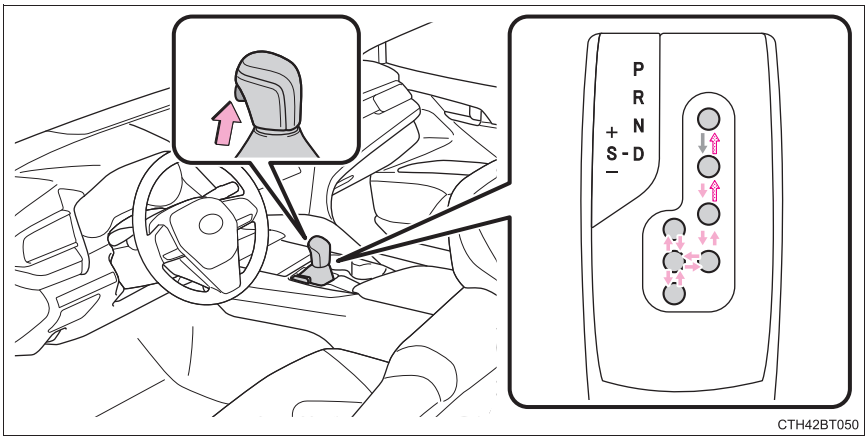
WARNING

■ Caution while driving

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

Hybrid transmission

Shifting the shift lever



While the power switch is in ON mode and the brake pedal depressed*, shift the shift lever while pushing the shift release button on the shift knob.

Shift the shift lever while pushing the shift release button on the shift knob.

Shift the shift lever normally.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped and the brake pedal is depressed.

*: For the vehicle be able to be shifted from P, the brake pedal must be depressed before the shift release button is pushed. If the shift release button is pushed first, the shift lock will not be released.

Shift position purpose

Shift position	Objective or function
P	Parking the vehicle/starting the hybrid system
R	Reversing
N	Neutral
D	Normal driving*1
S	S mode driving*2 (→P. 263)

*1: To improve fuel efficiency and reduce noise, shift the shift lever to D for normal driving.

*2: By selecting shift ranges using S mode, you can control accelerating force and engine braking force.

Selecting the driving mode

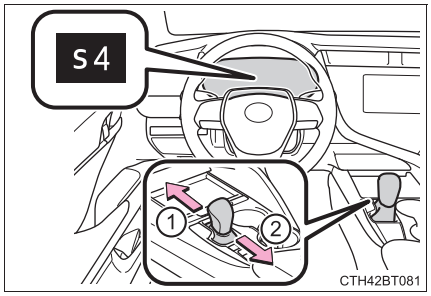
→P. 403

Changing shift ranges in S mode

When the shift lever is in the S position, the shift lever can be operated as follows:

① Upshifting
② Downshifting

The initial shift range in S mode is set automatically to S5 or S4 according to vehicle speed.



■ Shift ranges and their functions

- You can choose from 6 levels of accelerating force and engine braking force.
- A lower shift range will provide greater accelerating force and engine braking force than a higher shift range, and the engine revolutions will also increase.
- If you accelerate while in ranges 1 to 4, the shift range may automatically increase in accordance with the vehicle speed.

■ **S mode**

- When the shift range is S4 or lower, holding the shift lever toward “+” sets the shift range to S6.
- To prevent the engine from over-revving, upshifting may automatically occur.

■ **Downshift restriction warning buzzer (S mode)**

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever is operated. (A buzzer will sound twice.)

■ **When driving with dynamic radar cruise control with full-speed range activated**

Even when performing the following actions with the intent of enabling engine braking, engine braking will not occur because dynamic radar cruise control with full-speed range will not be canceled.

- While driving in S mode, downshifting to 5 or 4. (→P. 333)
- When switching the driving mode to sport mode while driving in the D position. (→P. 403)

■ **Restraining sudden start (Drive-start Control)**

→P. 244

■ **Shift lock system**

The shift lock system is a system to prevent accidental operation of the shift lever in starting.
The shift lever can be shifted from P only when the power switch is in the ON mode, the brake pedal is depressed and the shift release button is pushed.

If the shift lever cannot be shifted from P

First, check whether the brake pedal is being depressed.
If the shift lever cannot be shifted even though the brake pedal is depressed and the shift release button is pushed, there may be a problem with the shift lock system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

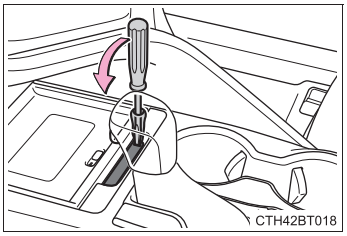
1 Set the parking brake.

2 Turn the power switch off.

3 Depress the brake pedal.

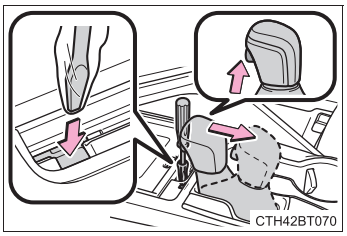
4 Pry the cover up with a flathead screwdriver or equivalent tool.

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



5 Press and hold the shift lock override button and then push the button on the shift knob.

The shift lever can be shifted while both buttons are pressed.



If the S indicator does not come on or the D indicator is displayed even after shifting the shift lever to S

This may indicate a malfunction in the automatic transmission system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.
(In this situation, the transmission will operate in the same manner as when the shift lever is in D.)

WARNING

When driving on slippery road surfaces

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

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.

NOTICE

Hybrid battery (traction battery) charge precaution

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

Operating instructions

① Right turn

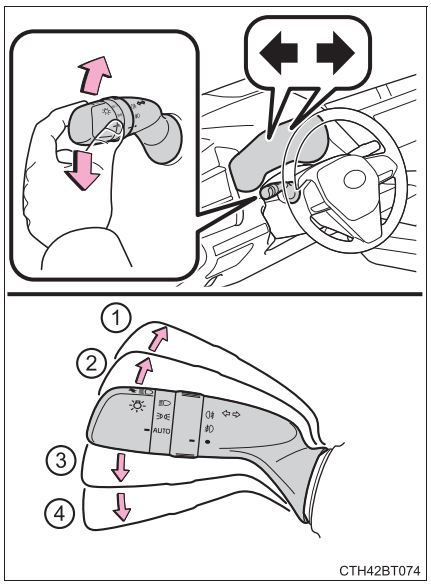
② Lane change to the right (move the lever partway and release it)

The right hand signals will flash 3 times.

③ Lane change to the left (move the lever partway and release it)

The left hand signals will flash 3 times.

④ Left turn



■ **Turn signals can be operated when**

The power switch is in ON mode.

■ **If the indicator flashes faster than usual**

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

■ **If the turn signals stop flashing before a lane change has been performed**

Operate the lever again.

■ **To discontinue flashing of the turn signals during a lane change**

Operate the lever in the opposite direction.

Parking brake

A mode can be selected from the following modes.

Automatic mode

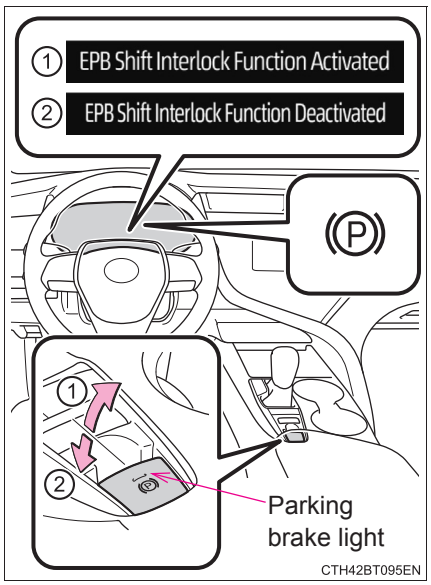
The parking brake is set or released automatically according to the shift lever operation.

Even when in automatic mode, the parking brake can be set and released manually. (→P. 269)

① Turns automatic mode on (while the vehicle is stopped, pull and hold the parking brake switch until a message is shown on the multi-information display)

- When the shift lever is moved out of P, the parking brake will be released, and the parking brake indicator light and parking brake light turn off.
- When the shift lever is moved into P, the parking brake will be set, and the parking brake indicator light and parking brake light turn on.

Operate the shift lever with the brake pedal depressed.



② Turns automatic mode off (while the vehicle is stopped, press and hold the parking brake switch until a message is shown on the multi-information display)

Operate the parking brake switch while depressing the brake pedal.

Manual mode

The parking brake can be set and released manually.

① Sets the parking brake

The parking brake indicator light and parking brake light will turn on.

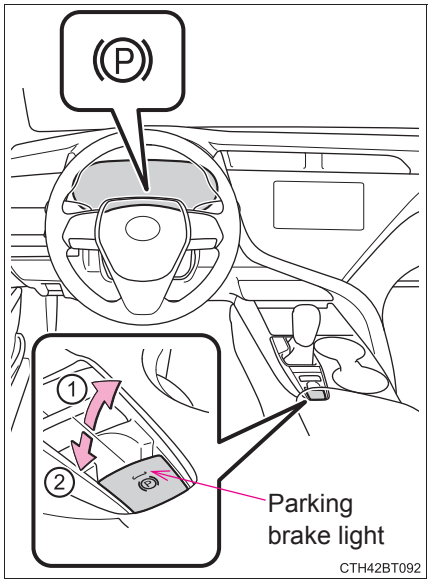
Pull and hold the parking brake switch if an emergency occurs and it is necessary to operate the parking brake while driving.

② Releases the parking brake

Operate the parking brake switch while depressing the brake pedal. Make sure that the parking brake indicator light or parking brake light turn off.

If the parking brake indicator light or parking brake light flashes, operate the switch again.

(→P. 532)



■ **Parking the vehicle**

→P. 409

■ **Parking brake operation**

- When the power switch is not in ON mode, the parking brake cannot be released using the parking brake switch.
- When the power switch is not in ON mode, automatic mode (automatic brake setting and releasing) is not available.

■ **Automatic release function**

The parking brake is automatically released when slowly depress the accelerator pedal.

The parking brake will be released automatically under the following conditions:

- The driver's door is closed.
- The driver's seatbelt is fastened.
- Shift the shift lever is in a forward or reverse position.
- The malfunction indicator lamp or brake system warning light is not illuminated.

If the automatic release function does not operate, manually release the parking brake.

■ **If "Parking Brake Temporarily Unavailable" is displayed on the multi-information display**

If the parking brake is operated repeatedly over a short period of time, the system may restrict operation to prevent overheating. If this happens, refrain from operating the parking brake. Normal operation will return after about 1 minute.

■ **If "Parking Brake Unavailable" is displayed on the multi-information display**

Operate the parking brake switch. If the message does not disappear after operating the switch several times, the system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **Parking brake operation sound**

When the parking brake operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ **Parking brake indicator light and parking brake light**

- Depending on the power switch mode, the parking brake indicator light and parking brake light will turn on and stay on as described below:

  ON mode: Comes on until the parking brake is released.
  Not in ON mode: Stays on for approximately 15 seconds.
- When the power switch is turned off with the parking brake set, the parking brake indicator light and parking brake light will stay on for about 15 seconds. This does not indicate a malfunction.

■ **Parking brake engaged warning buzzer**

A buzzer will sound if the vehicle is driven with the parking brake engaged. “Release Parking Brake” is displayed on the multi-information display.

■ **Warning messages and buzzers**

Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution. If a warning message is shown on the multi-information display, read the message and follow the instructions.

■ **If the brake system warning light comes on**

→P. 531

■ **Usage in winter time**

→P. 408

WARNING

■ **When parking the vehicle**

Do not leave a child in the vehicle alone. The parking brake may be released unintentionally and there is the danger of the vehicle moving that may lead to an accident resulting in death or serious injury.

■ **Parking brake switch**

Do not set any objects near the parking brake switch. Objects may interfere with the switch and may lead the parking brake to unexpectedly operate.

NOTICE

■ **When parking the vehicle**

Before you leave the vehicle, shift the shift lever to P, set the parking brake and make sure that the vehicle does not move.

■ **When the system malfunctions**

Stop the vehicle in a safe place and check the warning messages.

■ **When the parking brake cannot be released due to a malfunction**

Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately if this occurs.

Brake Hold

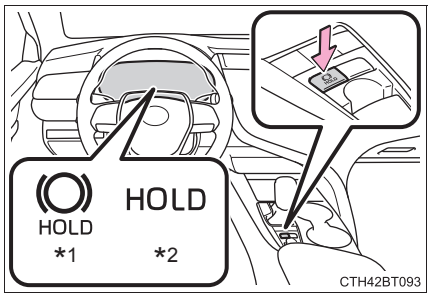
The brake hold system keeps the brake applied when the shift lever is in D, S or N with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in D or S to allow smooth start off.

Turns the brake hold system on

The brake hold standby indicator (green) comes on. While the system is holding the brake, the brake hold operated indicator (yellow) comes on.

*1: Brake hold standby indicator

*2: Brake hold operated indicator



Brake hold system operating conditions

The brake hold system cannot be turned on in the following conditions:

- The driver's door is not closed.
- The driver is not wearing the seat belt.

If any of the conditions above are detected when the brake hold system is enabled, the system will turn off and the brake hold standby indicator light will go off. In addition, if any of the conditions are detected while the system is holding the brake, a warning buzzer will sound and a message will be shown on the multi-information display. The parking brake will then be set automatically.

■ **Brake hold function**

- If the brake pedal is left released for a period of about 3 minutes after the system has started holding the brake, the parking brake will be set automatically. In this case, a warning buzzer sounds and a message is shown on the multi-information display.
- To turn the system off while the system is holding the brake, firmly depress the brake pedal and press the button again.
- The brake hold function may not hold the vehicle when the vehicle is on a steep incline. In this situation, it may be necessary for the driver to apply the brakes. A warning buzzer will sound and the multi-information display will inform the driver of this situation. If a warning message is shown on the multi-information display, read the message and follow the instructions.

■ **When the parking brake is set automatically while the system is holding the brakes**

Perform any of the following operations to release the parking brake.

- Depress the accelerator pedal. (The parking brake will not be released automatically if the seat belt is not fastened.)
- Operate the parking brake switch with the brake pedal depressed.

Make sure that the parking brake indicator light goes off. (→P. 268)

■ **When an inspection at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer is necessary**

When the brake hold standby indicator (green) does not illuminate even when the brake hold switch is pressed with the brake hold system operating conditions met, the system may be malfunctioning. Have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If "Brake Hold Malfunction Press Brake to Deactivate Visit Your Dealer" or "Brake Hold Malfunction Visit Your Dealer" is displayed on the multi-information display**

The system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Warning messages and buzzers**

Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution. If a warning message is shown on the multi-information display, read the message and follow the instructions.

■ **If the brake hold operated indicator flashes**

→P. 532

WARNING

When the vehicle is on a steep incline

When using the brake hold system on a steep incline, exercise caution. The brake hold function may not hold the vehicle in such a situation.

When stopped on a slippery road

The system cannot stop the vehicle when the gripping ability of the tires has been exceeded. Do not use the system when stopped on a slippery road.

NOTICE

When parking the vehicle

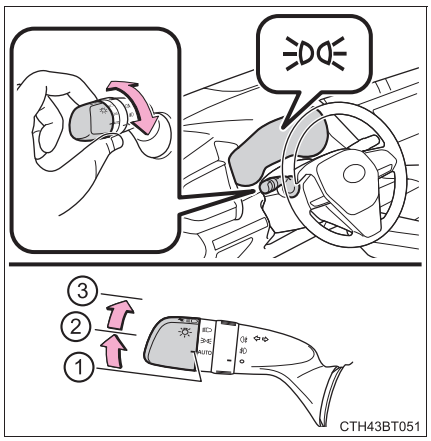
The brake hold system is not designed for use when parking the vehicle for a long period of time. Turning the power switch off while the system is holding the brake may release the brake, which would cause the vehicle to move. When operating the power switch, depress the brake pedal, shift the shift lever to P and set the parking brake.

Headlight switch

The headlights can be operated manually or automatically.

Operating instructions

Operating the switch turns on the lights as follows:

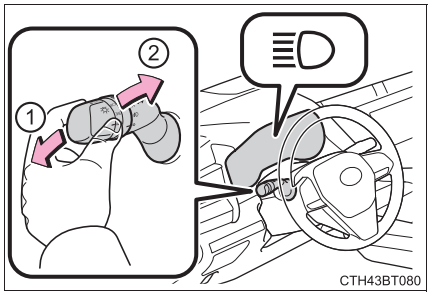


① **AUTO** The headlights, daytime running lights (→P. 276) and all the lights listed below turn on and off automatically.
(When the power switch is in ON mode)

② The front position, tail, rear side marker, license plate and instrument panel lights turn on.

③ The headlights and all lights listed above turn on.

Turning on the high beam headlights



① With the headlights on, push the lever away from you to turn on the high beams.

Pull the lever toward you to the center position to turn the high beams off.

② Pull the lever toward you and release it to flash the high beams once.

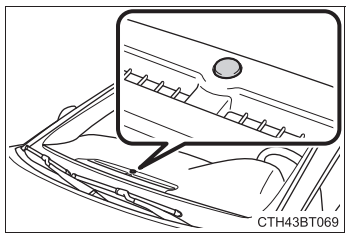
You can flash the high beams with the headlights on or off.

■ **Daytime running light system**

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever the hybrid system is started and the parking brake is released with the headlight switch off or in the AUTO position. (Illuminate brighter than the front position lights.) Daytime running lights are not designed for use at night.

■ **Headlight control sensor**

The sensor may not function properly if an object is placed on the sensor, or anything that blocks the sensor is affixed to the windshield.
Doing so interferes with the sensor detecting the level of ambient light and may cause the automatic headlight system to malfunction.



■ **Automatic light off system**

▶ Except for Ukraine

- When the light switch is in the or position: The headlights and front fog lights (if equipped) turn off automatically if the power switch is turned to ACCESSORY mode or off.
- When the light switch is in the AUTO position: The headlights and all lights turn off automatically if the power switch is turned to ACCESSORY mode or off.

To turn the lights on again, turn the power switch to ON mode, or turn the light switch to the AUTO position once and then back to the or position.

▶ For Ukraine

The headlights and all lights turn off if the power switch is turned to ACCESSORY mode or off and the driver's door is opened.
To turn the lights on again, turn the power switch to ON mode, or turn the light switch to the AUTO position once and then back to the or position.

■ **Light reminder buzzer (except when the light switch is in AUTO)**

A buzzer sounds when the power switch is turned off or turned to ACCESSORY mode and the driver's door is opened while the lights are turned on.

■ **Automatic headlight leveling system**

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

■ **12-volt battery-saving function**

▶ Except for Ukraine

In order to prevent the 12-volt battery of the vehicle from discharging, if the light switch is in the or AUTO position when the power switch is turned to ACCESSORY mode or off the 12-volt battery saving function will operate and automatically turn off all the lights after approximately 20 minutes. When the power switch is turned to ON mode, the 12-volt battery-saving function will be disabled.
When any of the following are performed, the 12-volt battery-saving function is canceled once and then reactivated. All the lights will turn off automatically 20 minutes after the 12-volt battery-saving function has been reactivated:

- When the headlight switch is operated
- When a door or the trunk is opened or closed

▶ For Ukraine

In order to prevent the 12-volt battery of the vehicle from discharging, if the headlights and/or tail lights are on when the power switch is turned to ACCESSORY mode or off the 12-volt battery saving function will operate and automatically turn off all the lights after approximately 20 minutes. When the power switch is turned to ON mode, the 12-volt battery-saving function will be disabled.
When any of the following are performed, the 12-volt battery-saving function is canceled once and then reactivated. All the lights will turn off automatically 20 minutes after the 12-volt battery-saving function has been reactivated:

- When the headlight switch is operated
- When a door or the trunk is opened or closed

■ **Customization**

Some functions can be customized. (→P. 609)

⚠ NOTICE

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

Do not leave the lights on longer than necessary when the hybrid system is off.

Automatic High Beam

The Automatic High Beam uses a camera sensor located behind the upper portion of the windshield to assess the brightness of the lights of vehicles ahead, streetlights, etc., and automatically turns the high beams on or off as necessary.

⚠ WARNING

■ **Limitations of the Automatic High Beam**

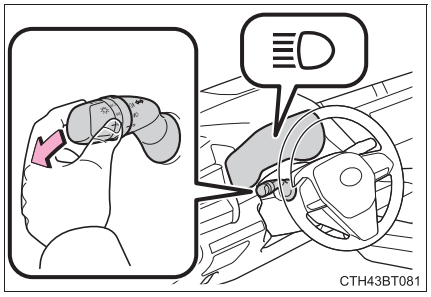
Do not overly rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beams on or off manually if necessary.

■ **To prevent incorrect operation of the Automatic High Beam system**

Do not overload the vehicle.

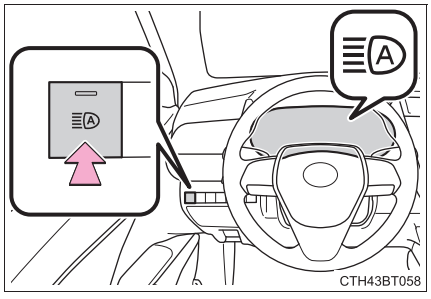
Activating the Automatic High Beam

1 Push the lever away from you with the headlight switch in the or AUTO position.


CTH43BT081

2 Press the Automatic High Beam switch.

The Automatic High Beam indicator will come on when the system is operating.


CTH43BT058

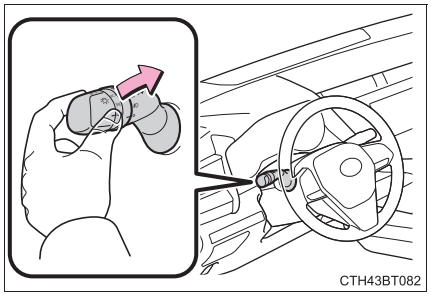
Turning the high beams on/off manually

■ Switching to the low beams

Pull the lever to its original position.

The Automatic High Beam indicator will turn off.

Push the lever away from you to activate the Automatic High Beam system again.

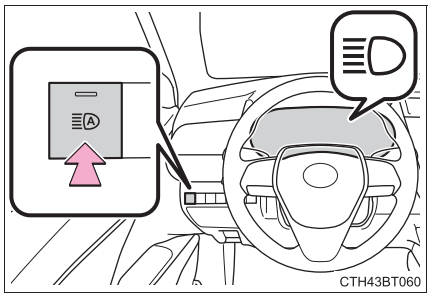


■ Switching to the high beams

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off and the high beam indicator will turn on.

Press the switch to activate the Automatic High Beam system again.



■ **Conditions to turn the high beams on/off automatically**

- When all of the following conditions are met, the high beams will be turned on automatically (after approximately 1 second):
  - The vehicle speed is approximately 40 km/h (25 mph) or more.
  - The area ahead of the vehicle is dark.
  - There are no vehicles ahead with headlights or tail lights turned on.
  - There are few streetlights on the road ahead.
- If any of the following conditions is met, the high beams will turn off automatically:
  - The vehicle speed is below approximately 30 km/h (19 mph).
  - The area ahead of the vehicle is not dark.
  - Vehicles ahead have their headlights or tail lights turned on.
  - There are many streetlights on the road ahead.

■ **Camera sensor detection information**

- The high beams may not be automatically turned off in the following situations:
  - When a vehicle suddenly appears from around a curve
  - When the vehicle is cut in front of by another vehicle
  - When vehicles ahead cannot be detected due to repeated curves, road dividers or roadside trees
  - When vehicles ahead appear in a faraway lane on a wide road
  - When the lights of vehicles ahead are not on
- The high beams may be turned off if a vehicle ahead that is using fog lights without its headlights turned on is detected.
- House lights, street lights, traffic signals, and illuminated billboards or signs and other reflective objects may cause the high beams to change to the low beams, or the low beams to remain on.
- The following factors may affect the amount of time taken for the high beams to turn on or off:
  - The brightness of the headlights, fog lights, and tail lights of vehicles ahead
  - The movement and direction of vehicles ahead
  - When a vehicle ahead only has operational lights on one side
  - When a vehicle ahead is a two-wheeled vehicle
  - The condition of the road (gradient, curve, condition of the road surface, etc.)
  - The number of passengers and amount of luggage in the vehicle
- The high beams may turn on or off unexpectedly.
- Bicycles or similar vehicles may not be detected.

● In the following situations the system may not be able to correctly detect the surrounding brightness level. This may cause the low beams to remain on or the high beams to flash or dazzle pedestrians or vehicles ahead. In such a case, it is necessary to manually switch between the high and low beams.

- When driving in inclement weather (heavy rain, snow, fog, sandstorms, etc.)
- When the windshield is obscured by fog, mist, ice, dirt, etc.
- When the windshield is cracked or damaged
- When the camera sensor is deformed or dirty
- When the temperature of the camera sensor is extremely high
- When the surrounding brightness level is equal to that of headlights, tail lights or fog lights
- When headlights or tail lights of vehicles ahead are turned off, dirty, changing color, or not aimed properly
- When the vehicle is hit by water, snow, dust, etc. from a preceding vehicle
- When driving through an area of intermittently changing brightness and darkness
- When frequently and repeatedly driving ascending/descending roads, or roads with rough, bumpy or uneven surfaces (such as stone-paved roads, gravel roads, etc.)
- When frequently and repeatedly taking curves or driving on a winding road
- When there is a highly reflective object ahead of the vehicle, such as a sign or mirror
- When the back of a preceding vehicle is highly reflective, such as a container on a truck
- When the vehicle's headlights are damaged or dirty, or are not aimed properly
- When the vehicle is listing or titling due to a flat tire, a trailer being towed, etc.
- When the headlights are changed between the high beams and low beams repeatedly in an abnormal manner
- When the driver believes that the high beams may be flashing or dazzling pedestrians or other drivers
- When the vehicle is used in an area in which vehicles travel on the opposite side of the road of the country for which the vehicle was designed, for example using a vehicle designed for right-hand traffic in a left-hand traffic area, or vice versa

Fog light switch

The fog lights secure excellent visibility in difficult driving conditions, such as in rain and fog.

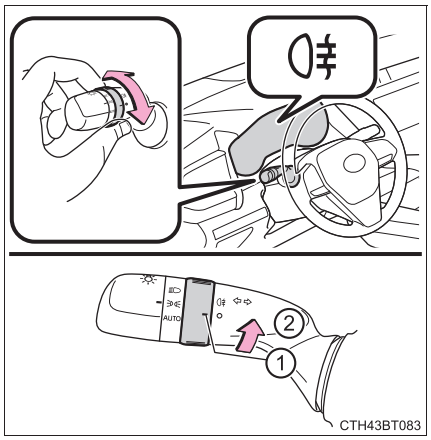
▶ Rear fog light switch

① O Turns the rear fog light off

② Turns the rear fog light on

Releasing the switch ring returns it to O .

Operating the switch ring again turns the rear fog light off.



▶ Front and rear fog light switch

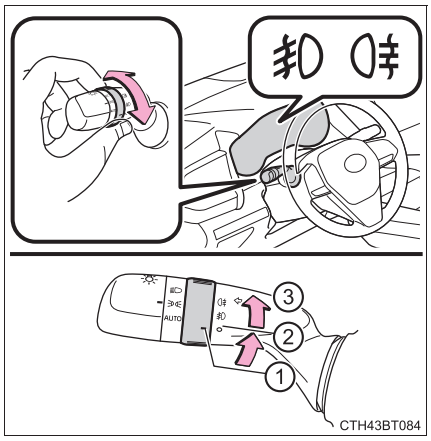
① O Turns the front and rear fog lights off

② Turns the front fog lights on

③ Turns both front and rear fog lights on

Releasing the switch ring returns it to .

Operating the switch ring again turns only the rear fog light off.



■ **Fog lights can be used when**

▶ Vehicles with a rear fog light switch

The headlights are turned on.

▶ Vehicles with a front and rear fog light switch

Front fog lights: The headlights or front position lights are turned on.

Rear fog light: The front fog lights are turned on.

Windshield wipers and washer

Operating the wiper lever

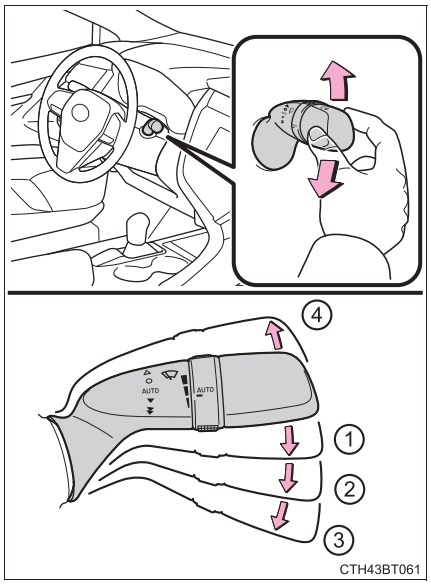
When “AUTO” is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.

① **AUTO** Rain-sensing windshield wiper operation

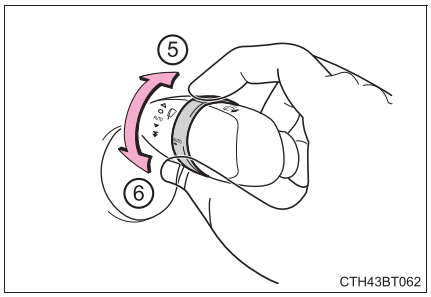
② ▼ Low speed windshield wiper operation

③ ▼▼ High speed windshield wiper operation

④ △ Temporary operation

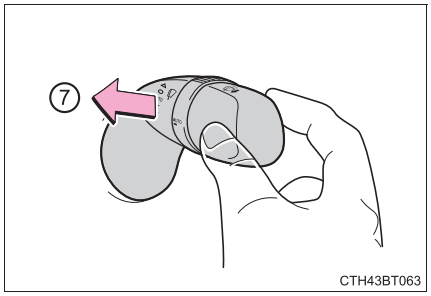


When “AUTO” is selected, the sensor sensitivity can be adjusted as follows by turning the switch ring.



⑤ Increases the rain-sensing windshield wiper sensitivity

⑥ Decreases the rain-sensing windshield wiper sensitivity



⑦ Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

The wipers will automatically operate a couple of times after the washer squirts.

(After operating several times, the wipers operate once more time after a short delay to prevent dripping. However, the dripping prevention does not operate while the vehicle is moving.)

When the power switch is in the ON mode and the headlights are on, if the lever is pulled, the headlight cleaners will operate once. After this, the headlight cleaners will operate every 5th time the lever is pulled.

■ **The windshield wiper and washer can be operated when**

The power switch is in ON mode.

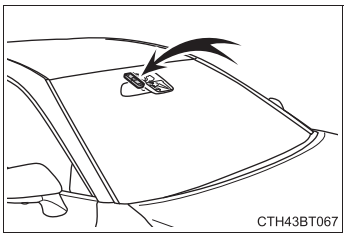
■ **Effects of vehicle speed on wiper operation**

Vehicle speed affects the intermittent wiper interval.

■ **Raindrop sensor**

● The raindrop sensor judges the amount of raindrops.

An optical sensor is adopted. It may not operate properly when sunlight from the rising or setting of the sun intermittently strikes the windshield, or if bugs etc. are present on the windshield.



● If the wiper switch is turned to the “AUTO” position while the power switch is in ON mode, the wiper will operate once to show that “AUTO” mode is activated.

● If the temperature of the raindrop sensor is 85°C (185°F) or higher, or -30°C (-22°F) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than “AUTO”.

■ **If no windshield washer fluid sprays**

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

■ **Front door opening linked windshield wiper stop function**

When “AUTO” is selected and the windshield wipers are operating, if a front door is opened, the operation of the windshield wipers will be stopped to prevent anyone near the vehicle from being sprayed by water from the wipers, provided the vehicle is stopped. When the front door is closed, wiper operation will resume.

■ **When stopping the engine in an emergency while driving**

If the windshield wipers are operating when the hybrid system is stopped, the windshield wipers will operate in high speed operation. After the vehicle is stopped, operation will return to normal when the power switch is turned to ON mode, or operation will stop when the driver’s door is opened.

WARNING

■ **Caution regarding the use of windshield wipers in “AUTO” mode**

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

■ **Caution regarding the use of washer fluid**

When it is cold, do not use the washer fluid until the windshield becomes warm. The fluid may freeze on the windshield and cause low visibility. This may lead to an accident, resulting in death or serious injury.

NOTICE

■ **When the windshield is dry**

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

■ **When the washer fluid tank is empty**

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

■ **When a nozzle becomes blocked**

In this case, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
Do not try to clear it with a pin or other object. The nozzle will be damaged.

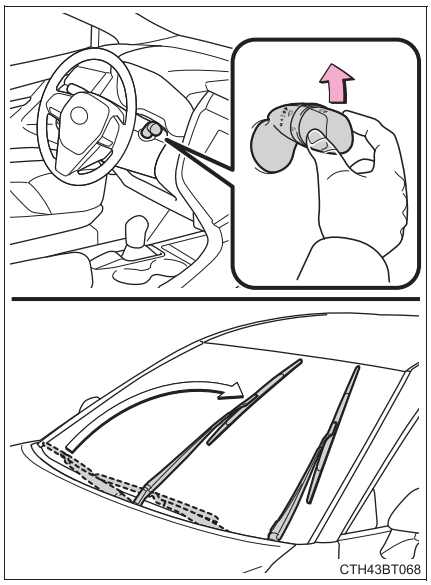
Changing the windshield wiper rest position/Lifting the windshield wipers

When the windshield wipers are not being used, they retract to below the hood. To enable the windshield wipers to be lifted when parking in cold conditions or when replacing a windshield wiper insert, change the rest position of the windshield wipers to the service position using the wiper lever.

■ Raising the wipers to the service position

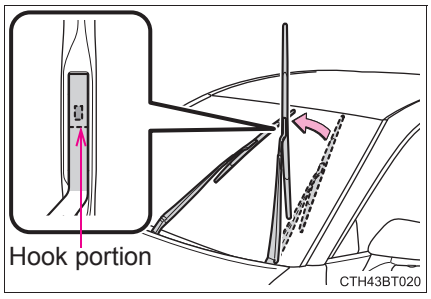
Within approximately 45 seconds of turning the power switch off, move the wiper lever to the or △ position and hold it for approximately 2 seconds or more.

The wipers will move to the service position.



■ Lifting the windshield wipers

While holding the hook portion of the wiper arm, lift the windshield wiper from the windshield.



■ **Lowering the windshield wipers to the retracted position**

With the windshield wipers placed on the windshield, turn the power switch to ON mode and then move the wiper lever to an operating position. When the wiper switch is turned off, the windshield wipers will stop at the retracted position.

⚠ NOTICE

■ **When lifting the windshield wipers**

- Do not lift the windshield wipers when they are in the retracted position below the hood. Otherwise, they may contact the hood, possibly resulting in damage to a windshield wiper and/or the hood.
- Do not operate the wiper lever when the windshield wipers are lifted. Otherwise, the windshield wipers may contact the hood, possibly resulting in damage to the windshield wipers and/or hood.

Opening the fuel tank cap

Perform the following steps to open the fuel tank cap:

Before refueling the vehicle

- Close all the doors and windows, and turn the power switch off.
- Confirm the type of fuel.

■ **Fuel types**

→P. 598, 607

■ **Fuel tank opening for unleaded gasoline**

To help prevent incorrect fueling, your Toyota has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

WARNING

■ When refueling the vehicle

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

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

■ When refueling

Observe the following precautions to prevent fuel overflowing from the fuel tank:

- Securely insert the fuel nozzle into the fuel filler neck.
- Stop filling the tank after the fuel nozzle automatically clicks off.
- Do not top off the fuel tank.

NOTICE

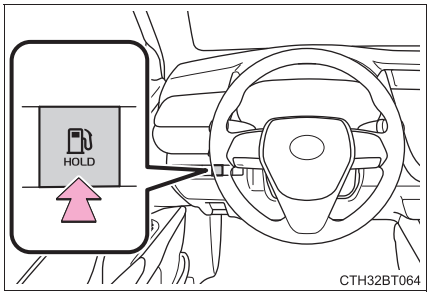
■ Refueling

- Do not spill fuel during refueling.
  Doing so may damage the vehicle, such as causing the emission control system to operate abnormally or damaging fuel system components or the vehicle's painted surface.

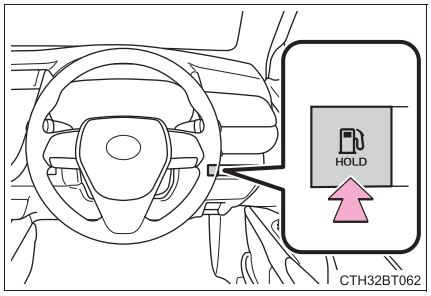
Opening the fuel tank cap

1 Press and hold the opener switch to open the fuel filler door.

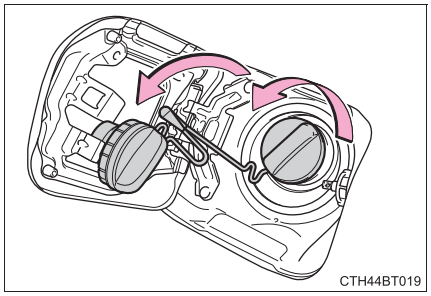
▶ Left-hand drive vehicles



▶ Right-hand drive vehicles

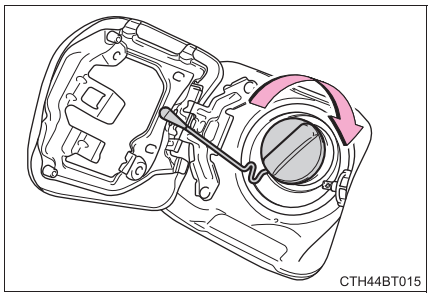


2 Turn the fuel tank cap slowly to remove it and hang it on the back of the fuel filler door.



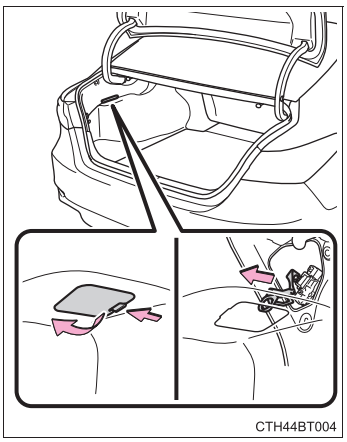
Closing the fuel tank cap

After refueling, turn the fuel tank cap until you hear a click. Once the cap is released, it will turn slightly in the opposite direction.


CTH44BT015

If the fuel filler door cannot be opened

Remove the cover inside the trunk and pull the lever.


CTH44BT004

WARNING

When replacing the fuel tank cap

Do not use anything but a genuine Toyota fuel tank cap designed for your vehicle. Doing so may cause a fire or other incident which may result in death or serious injury.

Toyota Safety Sense

The Toyota Safety Sense consists of the following drive assist systems and contributes to a safe and comfortable driving experience:

◆ PCS (Pre-Collision System)

→P. 306

◆ LDA (Lane Departure Alert with steering control)

→P. 318

◆ Automatic High Beam

→P. 278

◆ RSA (Road Sign Assist)

→P. 328

◆ Dynamic radar cruise control with full-speed range

→P. 333

⚠ WARNING

■ Toyota Safety Sense

The Toyota Safety Sense is designed to operate under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants and the vehicle in the case of a collision or assist the driver in normal driving conditions.

As there is a limit to the degree of recognition accuracy and control performance that this system can provide, do not overly rely on this system. The driver is always responsible for paying attention to the vehicle's surroundings and driving safely.

Vehicle data recording

The pre-collision system is equipped with a sophisticated computer that will record certain data, such as:

- Accelerator status
- Brake status
- Vehicle speed
- Operation status of the pre-collision system functions
- Information (such as the distance and relative speed between your vehicle and the vehicle ahead or other objects)

The pre-collision system does not record conversations, sounds or pictures.

● Data usage

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

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

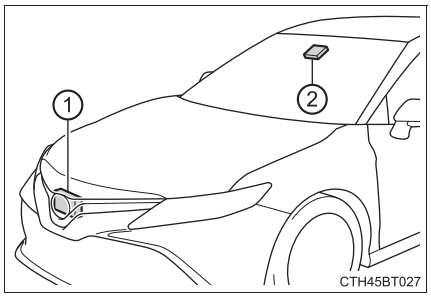
- With the consent of the vehicle owner or with the consent of the lessee if the vehicle is leased
- In response to an official request by the police, a court of law or a government agency
- For use by Toyota in a lawsuit
- For research purposes where the data is not tied to a specific vehicle or vehicle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

Sensors

Two types of sensors, located behind the front grille and windshield, detect information necessary to operate the drive assist systems.

① Radar sensor

② Camera sensor



WARNING

■ **To avoid malfunction of the radar sensor**

Observe the following precautions.

Otherwise, the radar sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

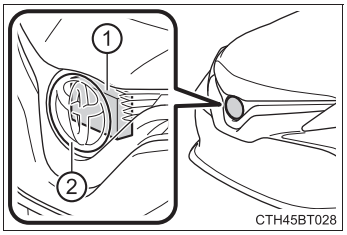
- Keep the radar sensor and front grille emblem clean at all times.

① Radar sensor

② Front grille emblem

If the front of the radar sensor or the front or back of the front grille emblem is dirty or covered with water droplets, snow, etc., clean it.

Clean the radar sensor and front grille emblem with a soft cloth so you do not mark or damage them.



- Do not attach accessories, stickers (including transparent stickers) or other items to the radar sensor, front grille emblem or surrounding area.
- Do not subject the radar sensor or surrounding area to a strong impact.
  If the radar sensor, front grille, or front bumper has been subjected to a strong impact, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not disassemble the radar sensor.
- Do not modify or paint the radar sensor, front grille emblem or surrounding area.
- If the radar sensor, front grille, or front bumper needs to be removed and installed, or replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

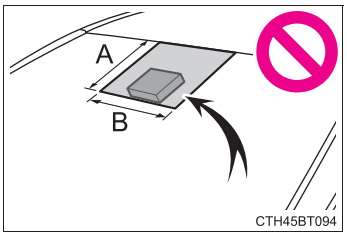
■ **To avoid malfunction of the camera sensor**

Observe the following precautions.

Otherwise, the camera sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the windshield clean at all times.
  - If the windshield is dirty or covered with an oily film, water droplets, snow, etc., clear the windshield.
  - If a glass coating agent is applied to the windshield, it will still be necessary to use the windshield wipers to remove water droplets, etc. from the area of the windshield in front of the camera sensor.
  - If the inner side of the windshield where the camera sensor is installed is dirty, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not attach objects, such as stickers, transparent stickers, and so forth, to the outer side of the windshield in front of the camera sensor (shaded area in the illustration).

  A: From the top of the windshield to approximately 1 cm (0.4 in.) below the bottom of the camera sensor



  B: Approximately 20 cm (7.9 in.) (Approximately 10 cm [4.0 in.] to the right and left from the center of the camera sensor)
- If the part of the windshield in front of the camera sensor is fogged up or covered with condensation or ice, use the windshield defogger to remove the fog, condensation or ice. (→P. 418)
- If water droplets cannot be properly removed from the area of the windshield in front of the camera sensor by the windshield wipers, replace the wiper insert or wiper blade.

  If the wiper inserts or wiper blades need to be replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not attach window tinting to the windshield.
- Replace the windshield if it is damaged or cracked.
  If the windshield needs to be replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not get the camera sensor wet.
- Do not allow bright lights to shine into the camera sensor.
- Do not dirty or damage the camera sensor.
  When cleaning the inside of the windshield, do not allow glass cleaner to contact the lens. Also, do not touch the lens.
  If the lens is dirty or damaged, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

- Do not subject the camera sensor to a strong impact.
- Do not change the installation position or direction of the camera sensor or remove it.
- Do not disassemble the camera sensor.
- Do not modify any components of the vehicle around the camera sensor (inside rear view mirror, etc.) or ceiling.
- Do not attach any accessories that may obstruct the camera sensor to the hood, front grille or front bumper. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for details.
- If a surfboard or other long object is to be mounted on the roof, make sure that it will not obstruct the camera sensor.
- Do not modify the headlights or other lights.

Certification

A) Generic information:

Manfuacturer Postal Address

	ADC Automotive Distance Control Systems GmbH Peter-Dornier-Strasse 10, 88131 Lindau, Germany

B) Language Text:

RED_BG_Bulgarian

ОПРОСТЕНА ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ	С настоящото ADC Automotive Distance Control Systems GmbH декларира, че този тип радиосъоръжение ARS4-B е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://continental.automotive-approvals.com/
	радиочестотната лента или ленти, в която или които работи радиосъоръжението: 76–77 GHz
	максималната радиочестотна мощност, излъчвана в радиочестотната лента или ленти, в която или които работи радиосъоръжението.: 3.16W (35dBm RMS EIRP)

RED_ES_Spanish

DECLARACIÓN UE DE CONFORMIDAD SIMPLIFICADA	Por la presente, ADC Automotive Distance Control Systems GmbH declara que el tipo de equipo radioeléctrico ARS4-B es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://continental.automotive-approvals.com/
	Banda o bandas de frecuencia en las que opera el equipo radioeléctrico: 76–77 GHz
	Potencia máxima de radiofrecuencia transmitida en la banda o bandas de frecuencia en las que opera el equipo radioeléctrico: 3.16W (35dBm RMS EIRP)

RED_CS_Czech

ZJEDNODUŠENÉ EU PROHLÁŠENÍ O SHODĚ	Tímto ADC Automotive Distance Control Systems GmbH prohlašuje, že typ rádiového zařízení ARS4-B je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://continental.automotive-approvals.com/
	Kmitočtové pásmo (kmitočtová pásma), v němž (v nichž) rádiové zařízení pracuje: 76–77 GHz
	Maximální radiofrekvenční výkon vysílaný v kmitočtovém pásmu (v kmitočtových pásmech), v němž (v nichž) je rádiové zařízení provozováno: 3.16W (35dBm RMS EIRP)

RED_DA_Danish

FORENKLET EU-OVERENSSTEMMELSE SERKLÆRING	Hermed erklærer ADC Automotive Distance Control Systems GmbH, at radioudstyrstypen ARS 4-B er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://continental.automotive-approvals.com/
	Frekvensbånd, som radioudstyret fungerer på: 76–77 GHz
	Maksimal radiofrekvenseffekt, der udsendes i de frekvensbånd, som radioudstyret fungerer på: 3.16W (35dBm RMS EIRP)

RED_DE_German

VEREINFACHTE EU-KONFORMITÄTSERKLÄRUNG	Hiermit erklärt ADC Automotive Distance Control Systems GmbH, dass der Funkanlagentyp ARS4-B der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://continental.automotive-approvals.com/
	Das Frequenzband oder die Frequenzbänder, in dem bzw. denen die Funkanlage betrieben wird: 76–77 GHz
	Die in dem Frequenzband oder den Frequenzbändern, in dem bzw. denen die Funkanlage betrieben wird, abgestrahlte maximale Sendeleistung: 3.16W (35dBm RMS EIRP)

RED_ET_Estonian

LIHTSUSTATUD ELI VASTAVUSDEKLARATSIOON	Käesolevaga deklareerib ADC Automotive Distance Control Systems GmbH, et käesolev raadioseadme tüüp ARS4-B vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://continental.automotive-approvals.com/
	Sagedusriba(d), millel raadioseade töötab: 76–77 GHz
	Raadioseadme töösagedus(t)el edastatav maksimaalne saatevõimsus: 3.16W (35dBm RMS EIRP)

RED_EL_Greek

ΑΠΛΟΥΣΤΕΥΜΕΝΗ ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ	Με την παρούσα ο/η ADC Automotive Distance Control Systems GmbH, δηλώνει ότι ο ραδιοεξοπλισμός ARS4-B πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://continental.automotive-approvals.com/
	Οι ζώνες συχνοτήτων στις οποίες λειτουργεί ο ραδιοεξοπλισμός:: 76–77 GHz
	η μέγιστη ραδιοηλεκτρική ισχύς στις ζώνες συχνοτήτων στις οποίες λειτουργεί ο ραδιοεξοπλισμός: 3.16W (35dBm RMS EIRP)

RED_EN_English

SIMPLIFIED EU DECLARATION OF CONFORMITY	Hereby, ADC Automotive Distance Control Systems GmbH declares that the radio equipment type ARS4-B is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://continental.automotive-approvals.com/
	Frequency band(s) in which the radio equipment operates: 76–77 GHz
	Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates: 3.16W (35dBm RMS EIRP)

RED_FR_French

DECLARATION UE DE CONFORMITE SIMPLIFIEE	Le soussigné, ADC Automotive Distance Control Systems GmbH, déclare que l'équipement radioélectrique du type ARS4-B est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://continental.automotive-approvals.com/
	Bandes de fréquences utilisées par l'équipement radioélectrique: 76–77 GHz
	Puissance de radiofréquence maximale transmise sur les bandes de fréquences utilisées par l'équipement radioélectrique: 3.16W (35dBm RMS EIRP)

RED_HR_Croation

POJEDNOSTAVLJENA EU IZJAVA O SUKLADNOSTI	ADC Automotive Distance Control Systems GmbH ovime izjavljuje da je radijska oprema tipa ARS4-B u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:: http://continental.automotive-approvals.com/
	Frekvencijski pojas (frekvencijski pojasi) u kojem (kojima) radijska oprema radi: 76–77 GHz
	Najveća radiofrekvencijska snaga koja se prenosi u frekvencijskom pojasu (frekvencijskim pojasima) u kojem (kojima) radijska oprema radi: 3.16W (35dBm RMS EIRP)

RED_IT_Italian

DICHIARAZIONE DI CONFORMITÀ UE SEMPLIFICATA	Il fabbricante, ADC Automotive Distance Control Systems GmbH, dichiara che il tipo di apparecchiatura radio ARS4-B è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://continental.automotive-approvals.com/
	Bande di frequenza di funzionamento dell'apparecchiatura radio: 76–77 GHz
	Massima potenza a radiofrequenza trasmessa nelle bande di frequenza in cui opera l'apparecchiatura radio: 3.16W (35dBm RMS EIRP)

RED_LV_Latvian

VIENKĀRŠOTA ES ATBILSTĪBAS DEKLARĀCIJA	Ar šo ADC Automotive Distance Control Systems GmbH deklarē, ka radioiekārta ARS4-B atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://continental.automotive-approvals.com/
	Frekvenču joslu(-as), kurā(-ās) radioiekārtas darbojas: 76–77 GHz
	Frekvenču joslā(-ās), kurā(-ās) darbojas radioiekārtas, maksimālo pārraidītā signāla jaudu.: 3.16W (35dBm RMS EIRP)

RED_LT_Lithuanian

SUPAPRASTINTA ES ATITIKTIES DEKLARACIJA	Aš, ADC Automotive Distance Control Systems GmbH, patvirtinu, kad radijo įrenginių tipas ARS 4-B atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://continental.automotive-approvals.com/
	Dažnių juosta (-os), kurioje (-iose) veikia radijo įrenginiai: 76–77 GHz
	Didžiausia radijo dažnių galia, perduodama toje (tose) dažnių juostoje (-ose), kurioje (-iose) veikia radijo įrenginiai: 3.16W (35dBm RMS EIRP)

RED_HU_Hungarian

EGYSZERŰSÍTETT EU-MEGFELELŐSÉGI NYILATKOZAT	ADC Automotive Distance Control Systems GmbH igazolja, hogy a ARS4-B típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen:: http://continental.automotive-approvals.com/
	Az(ok) a frekvenciasáv(ok), amely(ek)en a rádióberendezés működik: 76–77 GHz
	Az abban a frekvenciasávban vagy azokban a frekvenciasávokban továbbított maximális jelerősség, amely(ek)ben a rádióberendezés üzemel: 3.16W (35dBm RMS EIRP)

RED_MT_Maltese

DIKJARAZZJONI SSIMPLIFIKATA TA' KONFORMITÀ TAL-UE	B'dan, ADC Automotive Distance Control Systems GmbH, niddikjara li dan it-tip ta' tagħmir tar-radju ARS4-B huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://continental.automotive-approvals.com/
	Il-medda/meded tal-frekwenza li jaħdem fihom it-tagħmir tar-radju: 76–77 GHz
	Il-potenza massima tal-frekwenza tar-radju trażmessa fil-medda/meded tal-frekwenza li jaħdem fihom it-tagħmir tar- radju: 3.16W (35dBm RMS EIRP)

RED_NL_Dutch

VEREENVOUDIGDE EU-CONFORMITEITSVERKLARING	Hierbij verklaar ik, ADC Automotive Distance Control Systems GmbH, dat het type radioapparatuur ARS4-B conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://continental.automotive-approvals.com/
	Frequentieband(en) waarin de radioapparatuur functioneert: 76–77 GHz
	Maximaal radiofrequent vermogen uitgezonden in de frequentieband(en) waarin de radioapparatuur functioneert: 3.16W (35dBm RMS EIRP)

RED_PL_Polish

UPROSZCZONA DEKLARACJA ZGODNOŚCI UE	ADC Automotive Distance Control Systems GmbH niniejszym oświadcza, że typ urządzenia radiowego ARS4-B jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://continental.automotive-approvals.com/
	Zakresu(-ów) częstotliwości, w którym (których) pracuje urządzenie radiowe: 76–77 GHz
	Maksymalnej mocy częstotliwości radiowej emitowanej w zakresie(-ach) częstotliwości, w którym (których) pracuje urządzenie radiowe: 3.16W (35dBm RMS EIRP)

RED_PT_Portuguese

DECLARAÇÃO UE DE CONFORMIDADE SIMPLIFICADA	O(a) abaixo assinado(a) ADC Automotive Distance Control Systems GmbH declara que o presente tipo de equipamento de rádio ARS4-B está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://continental.automotive-approvals.com/
	A(s) banda(s) de frequências em que o equipamento de rádio funciona: 76–77 GHz
	A potência máxima de radiofrequências transmitida na(s) banda(s) de frequências em que o equipamento de rádio funciona:

RED_RO_Romanian

DECLARAȚIA UE DE CONFORMITATE SIMPLIFICATĂ	Prin prezenta, ADC Automotive Distance Control Systems GmbH declară că tipul de echipamente radio ARS4-B este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://continental.automotive-approvals.com/
	Banda (benzile) de frecvențe în care funcționează echipamentul radio: 76–77 GHz
	Puterea maximă de radiofrecvență transmisă în banda (benzile) de frecvențe în care funcționează echipamentul radio: 3.16W (35dBm RMS EIRP)

RED_SK_Slovak

ZJEDNODUŠENÉ EÚ VYHLÁSENIE O ZHODE	ADC Automotive Distance Control Systems GmbH týmto vyhlasuje, že rádiové zariadenie typu ARS4-B je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://continental.automotive-approvals.com/
	Frekvenčné pásmo resp. pásma, v ktorých rádiové zariadenie pracuje: 76–77 GHz
	Maximálny vysokofrekvenčný výkon prenášaný vo frekvenčnom pásme, resp. pásmach, v ktorých rádiové zariadenie pracuje: 3.16W (35dBm RMS EIRP)

RED_SL_Slovenian

POENOSTAVLJENA IZJAVA EU O SKLADNOSTI	ADC Automotive Distance Control Systems GmbH potrjuje, da je tip radijske opreme ARS4-B skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://continental.automotive-approvals.com/
	Frekvenčni pas ali pasovi, na katerih deluje radijska oprema: 76–77 GHz
	Največja energija za radijsko frekvenco, preneseno po frekvenčnem pasu ali pasovih, na katerih radijska oprema deluje: 3.16W (35dBm RMS EIRP)

RED_FI_Finnish

YKSINKERTAISTETTU EU-VAATIMUSTENMUKAISUUSVAKUUTUS	ADC Automotive Distance Control Systems GmbH vakuuttaa, että radiolaitetyyppi ARS4-B on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://continental.automotive-approvals.com/
	Radiotaajuudet, joilla radiolaite toimii: 76–77 GHz
	Suurin mahdollinen lähetysteho radiotaajuuksilla, joilla radiolaite toimii: 3.16W (35dBm RMS EIRP)

RED_SV_Swedish

FÖRENKLAD EU-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE	Härmed försäkrar ADC Automotive Distance Control Systems GmbH att denna typ av radioutrustning ARS4-B överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://continental.automotive-approvals.com/
	Det eller de frekvensband där radioutrustningen arbetar: 76–77 GHz
	Den maximala radiofrekvenseffekt som överförs inom det eller de frekvensband där radioutrustningen arbetar: 3.16W (35dBm RMS EIRP)

RED_IS_Icelandic

EINFÖLDUÐ ESB SAMRÆMISYFIRLÝSING	Hér með lýsir ADC Automotive Distance Control Systems GmbH því yfir, að fjarskiptabúnaðurinn að gerð ARS 4-B er í samræmi við tilskipun 2014/53/ ESB. Textinn í fullri lengd um Samræmisyfirlýsingu ESB er aðgengilegur á eftirfarandi veffangi: http://continental.automotive-approvals.com/
	Bandbreidd(ir), sem fjarskiptabúnaðurinn starfar í: 76–77 GHz
	Hámarks fjarskiptatíðni sendistyrkleika í bandbreiddinni/bandbreiddunum sem fjarskiptabúnaðurinn starfar í: 3.16W (35dBm RMS EIRP)

RED_TR_Turkish

BASİTLEŞTİRİLMİŞ AB UYGUNLUK BEYANI	Işbu belge ile, ADC Automotive Distance Control Systems GmbH şirketi ARS 4-B tipi radyo ekipmanının 2014/53/AB sayılı direktife uygun olduğunu beyan eder. AB uygunluk beyanının tam metni aşağıdaki İnternet adresinde mevcuttur: http://continental.automotive-approvals.com/
	Radyo cihazının çalıştığı frekans bandı/bantları: 76–77 GHz
	Radyo ekipmanının çalıştığı frekans bandında/bantlarında iletilen maksimum radyo frekansı gücü: 3.16W (35dBm RMS EIRP)



UA.TR.109

справжнім (найменування виробника ADC Automotive Distance Control Systems GmbH) заявляє, що тип радіообладнання (позначення типу радіообладнання ARS4-B) відповідає Технічному регламенту радіообладнання;

зареєстровано в протоколі OOB sa Ne UA.TR.109.R.0174-18
повний текст декларації про відповідність доступний на веб-сайті за такою адресою: http://continental.automotive-approvals.com/

СПРОЩЕНА ДЕКЛАРАЦІЯ ЄС ПРО ВІДПОВІДНІСТЬ	Цим ADC Automotive Distance Control Systems GmbH заявляє, що радіообладнання типу ARS4-B відповідає вимогам Директиви 2014/53/EU. Повний текст декларації ЄС про відповідність доступний за наступною адресою в мережі Інтернет: http://continental.automotive-approvals.com/
	Частотний діапазон(-и), в якому працює радіообладнання: 76–77 ГГц
	Максимальна потужність радіочастотного сигналу, що передається у частотному діапазоні(-ах), в якому працює радіообладнання: 3.16 Вт (35 дБм середньоквадратична ефективна потужність випромінювання)

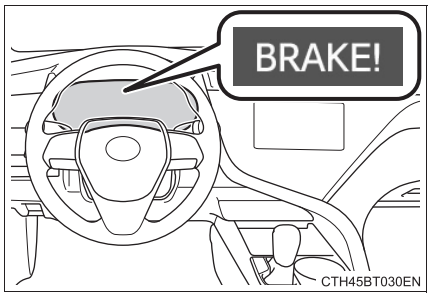
PCS (Pre-Collision System)

The pre-collision system uses a radar sensor and camera sensor to detect vehicles and pedestrians in front of your vehicle. When the system determines that the possibility of a frontal collision with a vehicle or pedestrian is high, a warning operates to urge the driver to take evasive action and the potential brake pressure is increased to help the driver avoid the collision. If the system determines that the possibility of a frontal collision with a vehicle or pedestrian is extremely high, the brakes are automatically applied to help avoid the collision or help reduce the impact of the collision.

The pre-collision system can be disabled/enabled and the warning timing can be changed. (→P. 310)

◆ Pre-collision warning

When the system determines that the possibility of a frontal collision is high, a buzzer will sound and a warning message will be displayed on the multi-information display to urge the driver to take evasive action.



◆ Pre-collision brake assist

When the system determines that the possibility of a frontal collision is high, the system applies greater braking force in relation to how strongly the brake pedal is depressed.

◆ Pre-collision braking

When the system determines that the possibility of a frontal collision is high, the system warns the driver. If the system determines that the possibility of a frontal collision is extremely high, the brakes are automatically applied to help avoid the collision or reduce the collision speed.

WARNING

■ **Limitations of the pre-collision system**

- The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
  Do not use the pre-collision system instead of normal braking operations under any circumstances. This system will not prevent collisions or lessen collision damage or injury in every situation. Do not overly rely on this system. Failure to do so may lead to an accident, resulting in death or serious injury.
- Although this system is designed to help avoid a collision or help reduce the impact of the collision, its effectiveness may change according to various conditions, therefore the system may not always be able to achieve the same level of performance.
  Read the following conditions carefully. Do not overly rely on this system and always drive carefully.
  - Conditions under which the system may operate even if there is no possibility of a collision: →P. 312
  - Conditions under which the system may not operate properly: →P. 314
- Do not attempt to test the operation of the pre-collision system yourself.
  Depending on the objects used for testing (dummies, cardboard objects imitating detectable objects, etc.), the system may not operate properly, possibly leading to an accident.

■ **Pre-collision braking**

- When the pre-collision braking function is operating, a large amount of braking force will be applied.
- If the vehicle is stopped by the operation of the pre-collision braking function, the pre-collision braking function operation will be canceled after approximately 2 seconds. Depress the brake pedal as necessary.
- The pre-collision braking function may not operate if certain operations are performed by the driver. If the accelerator pedal is being depressed strongly or the steering wheel is being turned, the system may determine that the driver is taking evasive action and possibly prevent the pre-collision braking function from operating.
- In some situations, while the pre-collision braking function is operating, operation of the function may be canceled if the accelerator pedal is depressed strongly or the steering wheel is turned and the system determines that the driver is taking evasive action.
- If the brake pedal is being depressed, the system may determine that the driver is taking evasive action and possibly delay the operation timing of the pre-collision braking function.

WARNING

■ **When to disable the pre-collision system**

In the following situations, disable the system, as it may not operate properly, possibly leading to an accident resulting in death or serious injury:

- When the vehicle is being towed
- When your vehicle is towing another vehicle
- When transporting the vehicle via truck, boat, train or similar means of transportation
- When the vehicle is raised on a lift with the hybrid system on and the tires are allowed to rotate freely
- When inspecting the vehicle using a drum tester such as a chassis dynamometer or speedometer tester, or when using an on vehicle wheel balancer
- When a strong impact is applied to the front bumper or front grille, due to an accident or other reasons
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- When the vehicle is driven in a sporty manner or off-road
- When the tires are not properly inflated
- When the tires are very worn
- When tires of a size other than specified are installed
- When tire chains are installed
- When a compact spare tire or an emergency tire puncture repair kit is used
- If equipment (snow plow, etc.) that may obstruct the radar sensor or camera sensor is temporarily installed to the vehicle

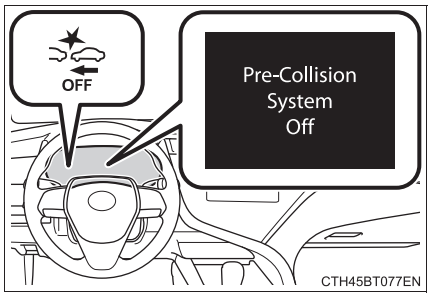
Changing settings of the pre-collision system

■ Enabling/disabling the pre-collision system

The pre-collision system can be enabled/disabled on (→P. 148) of the multi-information display.

The system is automatically enabled each time the power switch is turned to ON mode.

If the system is disabled, the PCS warning light will turn on and a message will be displayed on the multi-information display.



■ Changing the pre-collision warning timing

The pre-collision warning timing can be changed on (→P. 148) of the multi-information display.

The operation timing setting is retained when the power switch is turned off.

① Far

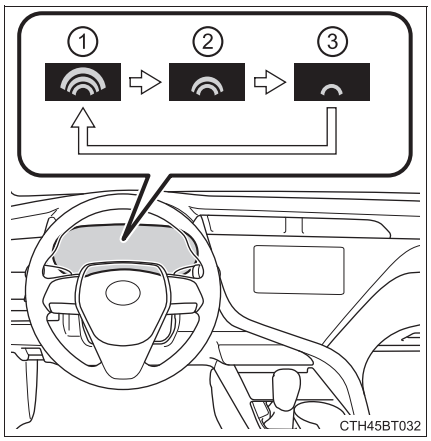
The warning will begin to operate earlier than with the default timing.

② Middle

This is the default setting.

③ Near

The warning will begin to operate later than with the default timing.



■ **Operational conditions**

The pre-collision system is enabled and the system determines that the possibility of a frontal collision with a vehicle or pedestrian is high.

Each function is operational at the following speeds:

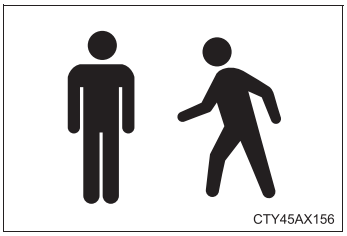
- Pre-collision warning:
  - Vehicle speed is between approximately 10 and 180 km/h (7 and 110 mph). (For detecting a pedestrian, vehicle speed is between approximately 10 and 80 km/h [7 and 50 mph].)
  - The relative speed between your vehicle and the vehicle or pedestrian ahead is approximately 10 km/h (7 mph) or more.
- Pre-collision brake assist:
  - Vehicle speed is between approximately 30 and 180 km/h (20 and 110 mph). (For detecting a pedestrian, vehicle speed is between approximately 30 and 80 km/h [20 and 50 mph].)
  - The relative speed between your vehicle and the vehicle or pedestrian ahead is approximately 30 km/h (20 mph) or more.
- Pre-collision braking:
  - Vehicle speed is between approximately 10 and 180 km/h (7 and 110 mph). (For detecting a pedestrian, vehicle speed is between approximately 10 and 80 km/h [7 and 50 mph].)
  - The relative speed between your vehicle and the vehicle or pedestrian ahead is approximately 10 km/h (7 mph) or more.

The system may not operate in the following situations:

- If a 12-volt battery terminal has been disconnected and reconnected and then the vehicle has not been driven for a certain amount of time
- If the shift lever is in R
- If VSC is disabled (only the pre-collision warning function will be operational)

■ **Pedestrian detection function**

The pre-collision system detects pedestrians based on the size, profile, and motion of a detected object. However, a pedestrian may not be detected depending on the surrounding brightness and the motion, posture, and angle of the detected object, preventing the system from operating properly. (→P. 316)


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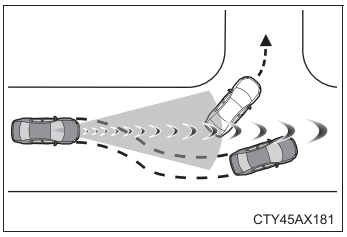
■ **Cancelation of the pre-collision braking**

If either of the following occur while the pre-collision braking function is operating, it will be canceled:

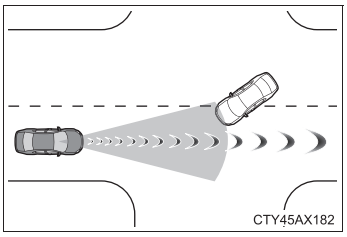
- The accelerator pedal is depressed strongly.
- The steering wheel is turned sharply or abruptly.

■ **Conditions under which the system may operate even if there is no possibility of a collision**

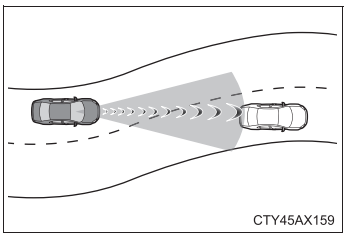
- In some situations such as the following, the system may determine that there is a possibility of a frontal collision and operate.
  - When passing a vehicle or pedestrian
  - When changing lanes while overtaking a preceding vehicle
  - When overtaking a preceding vehicle that is changing lanes
  - When overtaking a preceding vehicle that is making a left/right turn



  - When passing a vehicle in an oncoming lane that is stopped to make a right/left turn

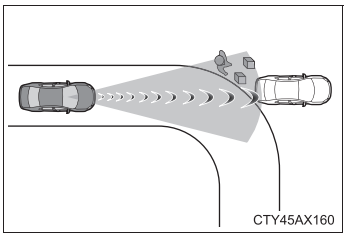


  - When driving on a road where relative location to vehicle ahead in an adjacent lane may change, such as on a winding road

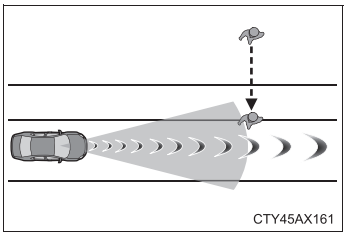


  - When rapidly closing on a vehicle ahead
  - If the front of the vehicle is raised or lowered, such as when the road surface is uneven or undulating
  - When approaching objects on the roadside, such as guardrails, utility poles, trees, or walls

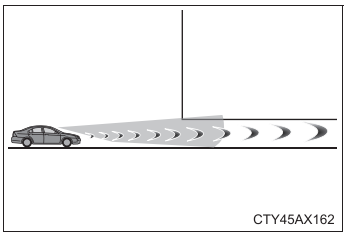
- When there is a vehicle, pedestrian, or object by the roadside at the entrance of a curve



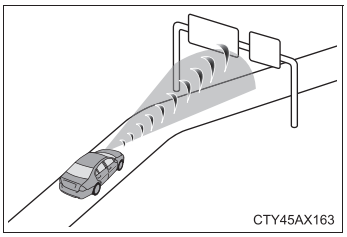
- When driving on a narrow path surrounded by a structure, such as in a tunnel or on an iron bridge
- When there is a metal object (manhole cover, steel plate, etc.), steps, or a protrusion on the road surface or roadside
- When a crossing pedestrian approaches very close to the vehicle



- When passing through a place with a low structure above the road (low ceiling, traffic sign, etc.)

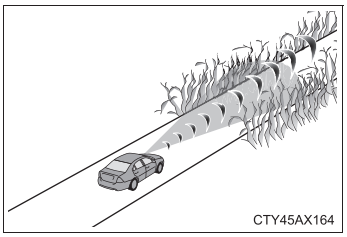


- When passing under an object (billboard, etc.) at the top of an uphill road



- When rapidly closing on an electric toll gate barrier, parking area barrier, or other barrier that opens and closes
- When using an automatic car wash

- When driving through or under objects that may contact the vehicle, such as thick grass, tree branches, or a banner

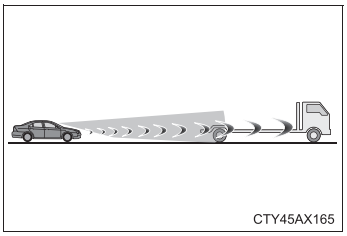

CTY45AX164

- When the vehicle is hit by water, snow, dust, etc. from a vehicle ahead
- When driving through steam or smoke
- When there are patterns or paint on the road or a wall that may be mistaken for a vehicle or pedestrian
- When driving near an object that reflects radio waves, such as a large truck or guardrail
- When driving near a TV tower, broadcasting station, electric power plant, or other location where strong radio waves or electrical noise may be present

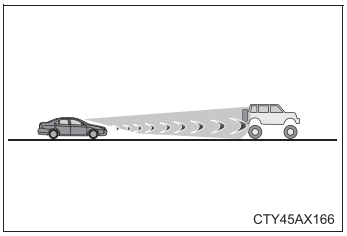
■ Situations in which the system may not operate properly

● In some situations such as the following, a vehicle may not be detected by the radar sensor and camera sensor, preventing the system from operating properly:

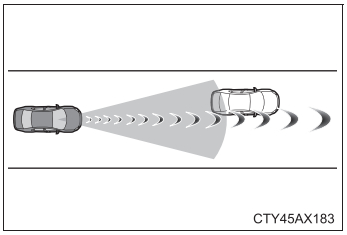
- If an oncoming vehicle is approaching your vehicle
- If a vehicle ahead is a motorcycle or bicycle
- When approaching the side or front of a vehicle
- If a preceding vehicle has a small rear end, such as an unloaded truck
- If a preceding vehicle has a low rear end, such as a low bed trailer


CTY45AX165

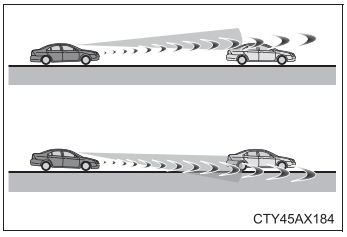
- If a vehicle ahead is carrying a load which protrudes past its rear bumper
- If a vehicle ahead has extremely high ground clearance


CTY45AX166

- If a vehicle ahead is irregularly shaped, such as a tractor or side car
- If the sun or other light is shining directly on a vehicle ahead
- If a vehicle cuts in front of your vehicle or emerges from beside a vehicle
- If a vehicle ahead makes an abrupt maneuver (such as sudden swerving, acceleration or deceleration)
- When suddenly cutting behind a preceding vehicle
- When a vehicle ahead is not directly in front of your vehicle


CTY45AX183

- When driving in inclement weather such as heavy rain, fog, snow or a sandstorm
- When the vehicle is hit by water, snow, dust, etc. from a vehicle ahead
- When driving through steam or smoke
- When driving in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a tunnel
- When a very bright light, such as the sun or the headlights of oncoming traffic, shines directly into the camera sensor
- When the surrounding area is dim, such as at dawn or dusk, or while at night or in a tunnel
- After the hybrid system has started the vehicle has not been driven for a certain amount of time
- While making a left/right turn and for a few seconds after making a left/right turn
- While driving on a curve and for a few seconds after driving on a curve
- If your vehicle is skidding
- If the front of the vehicle is raised or lowered


CTY45AX184

- If the wheels are misaligned
- If a wiper blade is blocking the camera sensor
- The vehicle is wobbling.
- The vehicle is being driven at extremely high speeds.
- When driving on a hill
- If the radar sensor or camera sensor is misaligned

- In some situations such as the following, sufficient braking force may not be obtained, preventing the system from performing properly:
  - If the braking functions cannot operate to their full extent, such as when the brake parts are extremely cold, extremely hot, or wet
  - If the vehicle is not properly maintained (brakes or tires are excessively worn, improper tire inflation pressure, etc.)
  - When the vehicle is being driven on a gravel road or other slippery surface
- Some pedestrians such as the following may not be detected by the radar sensor and camera sensor, preventing the system from operating properly:
  - Pedestrians shorter than approximately 1 m (3.2 ft.) or taller than approximately 2 m (6.5 ft.)
  - Pedestrians wearing oversized clothing (a rain coat, long skirt, etc.), making their silhouette obscure
  - Pedestrians who are carrying large baggage, holding an umbrella, etc., hiding part of their body
  - Pedestrians who are bending forward or squatting
  - Pedestrians who are pushing a stroller, wheelchair, bicycle or other vehicle
  - Groups of pedestrians which are close together
  - Pedestrians who are wearing white and look extremely bright
  - Pedestrians in the dark, such as at night or while in a tunnel
  - Pedestrians whose clothing appears to be nearly the same color or brightness as their surroundings
  - Pedestrians near walls, fences, guardrails, or large objects
  - Pedestrians who are on a metal object (manhole cover, steel plate, etc.) on the road
  - Pedestrians who are walking fast
  - Pedestrians who are changing speed abruptly
  - Pedestrians running out from behind a vehicle or a large object
  - Pedestrians who are extremely close to the side of the vehicle (outside rear view mirror, etc.)

■ **If the PCS warning light flashes or illuminates and a warning message is displayed on the multi-information display**

The pre-collision system may be temporarily unavailable or there may be a malfunction in the system.

- In the following situations, the warning light will turn off, the message will disappear and the system will become operational when normal operating conditions return:
  - When the radar sensor or camera sensor or the area around either sensor is hot, such as in the sun
  - When the radar sensor or camera sensor or the area around either sensor is cold, such as in an extremely cold environment
  - When a front sensor is dirty or covered with snow, etc.
  - When the part of the windshield in front of the camera sensor is fogged up or covered with condensation or ice
    (Defogging the windshield: →P. 418)
  - If the camera sensor is obstructed, such as when the hood is open or a sticker is attached to the windshield near the camera sensor
- If the PCS warning light continues to flash or remains illuminated or the warning message does not disappear even though the vehicle has returned to normal, the system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **If VSC is disabled**

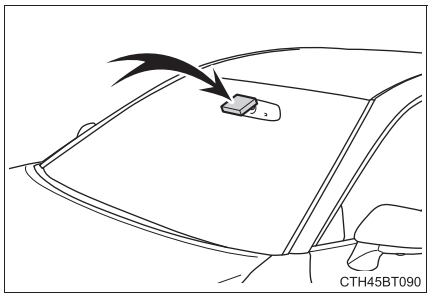
- If VSC is disabled (→P. 351), the pre-collision brake assist and pre-collision braking functions are also disabled.
- The PCS warning light will turn on and “VSC Turned OFF Pre-Collision Brake System Unavailable” will be displayed on the multi-information display.

LDA (Lane Departure Alert with steering control)

Summary of functions

When driving on highways and freeways with white (yellow) lines, this function alerts the driver when the vehicle might depart from its lane and provides assistance by operating the steering wheel to keep the vehicle in its lane.

The LDA system recognizes visible white (yellow) lines with the camera sensor on the upper portion of the front windshield.

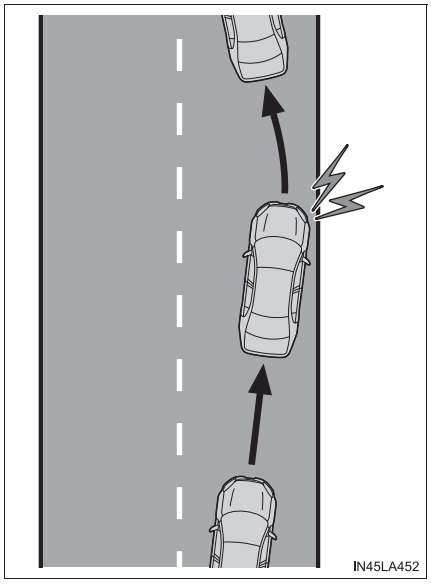


Functions included in LDA system

◆ Lane departure alert function

When the system determines that the vehicle might depart from its lane, a warning is displayed on the multi-information display and the warning buzzer sounds to alert the driver.

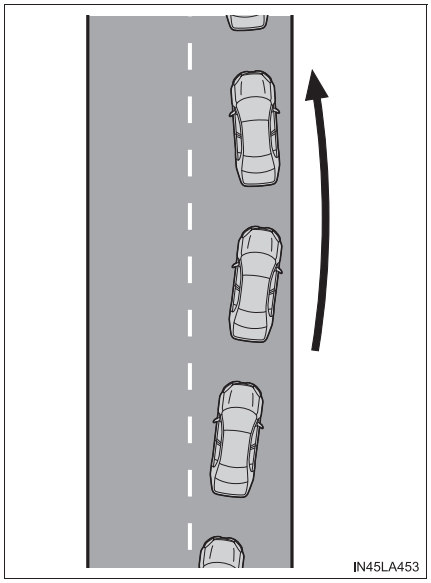
When the warning buzzer sounds, check the surrounding road situation and carefully operate the steering wheel to move the vehicle back to the center of the lane.



◆ Steering control function

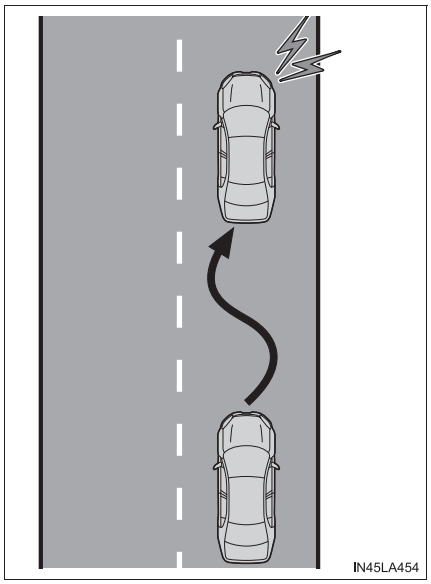
When the system determines that the vehicle might depart from its lane, the system provides assistance as necessary by operating the steering wheel in small amounts for a short period of time to keep the vehicle in its lane.

If the system detects that the steering wheel has not been operated for a fixed amount of time or the steering wheel is not being firmly gripped, a warning is displayed on the multi-information display and the function is temporarily canceled.



◆ Vehicle sway warning function

When the vehicle is swaying or appears as if it may depart from its lane multiple times, the warning buzzer sounds and a message is displayed on the multi-information display to alert the driver.



⚠ WARNING

■ Before using LDA system

Do not rely solely upon the LDA system. The LDA system does not automatically drive the vehicle or reduce the amount of attention that must be paid to the area in front of the vehicle. The driver must always assume full responsibility for driving safely by paying careful attention to the surrounding conditions and operating the steering wheel to correct the path of the vehicle. Also, the driver must take adequate breaks when fatigued, such as from driving for a long period of time.

Failure to perform appropriate driving operations and pay careful attention may lead to an accident, resulting in death or serious injury.

■ To avoid operating LDA system by mistake

When not using the LDA system, use the LDA switch to turn the system off.

WARNING

■ **Situations unsuitable for LDA system**

Do not use the LDA system in the following situations.
The system may not operate properly and lead to an accident, resulting in death or serious injury.

- A spare tire, tire chains, etc. are equipped.
- When the tires have been excessively worn, or when the tire inflation pressure is low.
- Tires which differ by structure, manufacturer, brand or tread pattern are used.
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, curbs, reflective poles, etc.).
- Vehicle is driven on a snow-covered road.
- White (yellow) lines are difficult to see due to rain, snow, fog, dust, etc.
- Asphalt repair marks, white (yellow) line marks, etc. are present due to road repair.
- Vehicle is driven in a temporary lane or restricted lane due to construction work.
- Vehicle is driven on a road surface which is slippery due to rainy weather, fallen snow, freezing, etc.
- Vehicle is driven in traffic lanes other than on highways and freeways.
- Vehicle is driven in a construction zone.
- During emergency towing.

■ **Preventing LDA system malfunctions and operations performed by mistake**

- Do not modify the headlights or place stickers, etc. on the surface of the lights.
- Do not modify the suspension etc. If the suspension etc. needs to be replaced, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not install or place anything on the hood or grille. Also, do not install a grille guard (bull bars, kangaroo bar, etc.).
- If your windshield needs repairs, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Turning LDA system on

Press the LDA switch to turn the LDA system on.

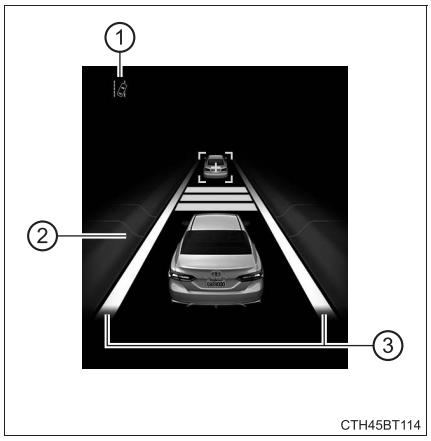
The LDA indicator illuminates and a message is displayed on the multi-information display.

Press the LDA switch again to turn the LDA system off.

When the LDA system is turned on or off, operation of the LDA system continues in the same condition the next time the hybrid system is started.



Indications on the multi-information display



① LDA indicator

The illumination condition of the indicator informs the driver of the system operation status.

Illuminated in white:
LDA system is operating.

Illuminated in green:
Steering wheel assistance of the steering control function is operating.

Flashing in yellow:
Lane departure alert function is operating.

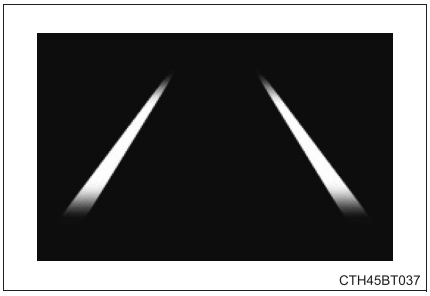
② Operation display of steering wheel operation support

Indicates that steering wheel assistance of the steering control function is operating.

③ Lane departure alert function display

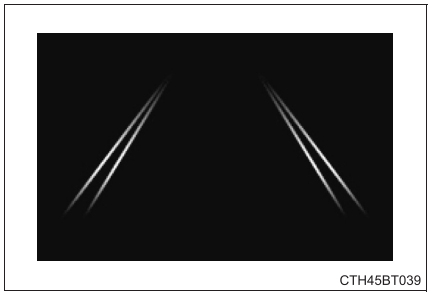
Displayed when the multi-information display is switched to the driving assist system information screen.

▶ Inside of displayed white lines is white



Indicates that the system is recognizing white (yellow) lines. When the vehicle departs from its lane, the white line displayed on the side the vehicle departs from flashes yellow.

▶ Inside of displayed white lines is black



Indicates that the system is not able to recognize white (yellow) lines or is temporarily canceled.

■ **Operation conditions of each function**

● Lane departure alert function

This function operates when all of the following conditions are met.

- LDA is turned on.
- Vehicle speed is approximately 50 km/h (32 mph) or more.
- System recognizes white (yellow) lines.
- Width of traffic lane is approximately 3 m (9.8 ft.) or more.
- Turn signal lever is not operated.
- Vehicle is driven on a straight road or around a gentle curve with a radius of more than approximately 150 m (492 ft.).
- No system malfunctions are detected. (→P. 327)

● Steering control function

This function operates when all of the following conditions are met in addition to the operation conditions for the lane departure alert function.

- Setting for “Steering Assist” in of the multi-information display is set to “On”. (→P. 148)
- Vehicle is not accelerated or decelerated by a certain amount or more.
- Steering wheel is not operated with a steering force level suitable for changing lanes.
- ABS, VSC, TRC and PCS are not operating.
- TRC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P. 325)

● Vehicle sway warning function

This function operates when all of the following conditions are met.

- Setting for “Sway Warning” in of the multi-information display is set to “On”. (→P. 148)
- Vehicle speed is approximately 50 km/h (32 mph) or more.
- Width of traffic lane is approximately 3 m (9.8 ft.) or more.
- No system malfunctions are detected. (→P. 327)

■ **Temporary cancellation of functions**

When the operation conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function is automatically restored. (→P. 324)

■ **Steering control function**

Depending on the vehicle speed, lane departure situation, road conditions, etc., the driver may not feel the function is operating or the function may not operate at all.

■ **Lane departure alert function**

The warning buzzer may be difficult to hear due to external noise, audio playback, etc.

■ **Hands off steering wheel warning**

When the system determines that the driver has removed their hands from the steering wheel while the steering control function is operating, a warning message urging the driver to hold the steering wheel and the symbol shown in the illustration are displayed on the multi-information display.


CTH45BT187

If the driver continues to keep their hands off of the steering wheel, a warning message and the symbol shown in the illustration are displayed on the multi-information display, and the function is temporarily canceled. This warning also operates in the same way when the driver continuously operates the steering wheel only a small amount. Always keep your hands on the steering wheel when using this system, regardless of warnings.
Depending on the vehicle and road conditions, the warning may not operate.

■ **Vehicle sway warning function**

When the system determines that the vehicle is swaying while the vehicle sway warning function is operating, a buzzer sounds and a warning message urging the driver to rest and the symbol shown in the illustration are simultaneously displayed on the multi-information display.
Depending on the vehicle and road conditions, the warning may not operate.


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■ **White (yellow) lines are only on one side of road**

The LDA system will not operate for the side on which white (yellow) lines could not be recognized.

■ **Conditions in which functions may not operate properly**

In the following situations, the camera sensor may not detect white (yellow) lines and various functions may not operate normally.

- There are shadows on the road that run parallel with, or cover, the white (yellow) lines.
- The vehicle is driven in an area without white (yellow) lines, such as in front of a tollgate or checkpoint, or at an intersection, etc.
- The white (yellow) lines are cracked, “Raised pavement marker” or stones are present.
- The white (yellow) lines cannot be seen or are difficult to see due to sand, etc.
- The vehicle is driven on a road surface that is wet due to rain, puddles, etc.
- The traffic lines are yellow (which may be more difficult to recognize than lines that are white).
- The white (yellow) lines cross over a curb, etc.
- The vehicle is driven on a bright surface, such as concrete.
- The vehicle is driven on a surface that is bright due to reflected light, etc.
- The vehicle is driven in an area where the brightness changes suddenly, such as at the entrances and exits of tunnels, etc.
- Light from the headlights of an oncoming vehicle, the sun, etc. enters the camera.
- The vehicle is driven where the road diverges, merges, etc.
- The vehicle is driven on a slope.
- The vehicle is driven on a road which tilts left or right, or a winding road.
- The vehicle is driven on an unpaved or rough road.
- The vehicle is driven around a sharp curve.
- The traffic lane is excessively narrow or wide.
- The vehicle is extremely tilted due to carrying heavy luggage or having improper tire pressure.
- The distance to the preceding vehicle is extremely short.
- The vehicle is moving up and down a large amount due to road conditions during driving (poor roads or road seams).
- The headlight lenses are dirty and emit a faint amount of light at night, or the beam axis has deviated.
- The vehicle is struck by a crosswind.
- The vehicle has just changed lanes or crossed an intersection.
- Snow tires, etc. are equipped.

■ **If the LDA indicator is illuminated in yellow and a warning message is displayed on the multi-information display**

→P. 532

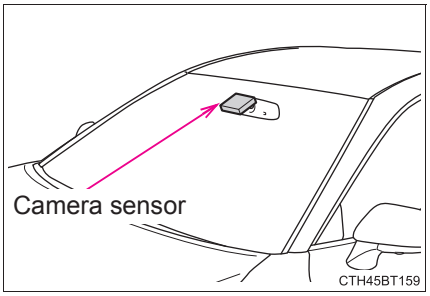
■ **Customization**

Some functions can be customized. (→P. 148)

RSA (Road Sign Assist)*

Summary of function

RSA recognizes specific road signs using the camera sensor and provides information to the driver via the multi-information display.



If the system judges that the vehicle is being driven over the speed limit, performing prohibited actions, etc. in relation to the recognized road signs, it alerts the driver using a warning display and warning buzzer*.

*: This setting needs to be customized.

WARNING

■ Before using the RSA

Do not rely solely upon the RSA system. RSA is a system which supports the driver by providing information, but it is not a replacement for a driver's own vision and awareness. Drive safely by always paying careful attention to the traffic rules.

Inappropriate or negligent driving could lead to an unexpected accident.

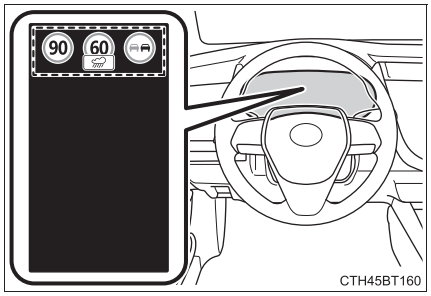
*: If equipped

Indication on the multi-information display

After the camera sensor recognizes a sign, it is displayed on the multi-information display when the vehicle passes the sign.

The illustration used is intended as an example, and may differ from the image that is actually displayed on the multi-information display.

● A maximum of 3 signs can be displayed. (→P. 140)



Types of recognized road signs

The following types of road signs, including electronic signs and blinking signs, are recognized.

A non-official (not meeting the Vienna Convention) or a recently introduced traffic sign may not be recognized.

Type		Multi-information display
Speed limit begins/ends		
Highway entrance/exit		
Speed limit with supplemental mark (Displayed simultaneously with speed limit)  (Display example)	Wet	
	Rain	
	Ice	
	On/off ramp*	
	Supplemental mark exists (Contents not recognized)	
No overtaking begins/ends		
All canceled (All restrictions canceled. Returns to default road regulation.)		

*: If the turn signal indicator is not operated when changing lanes, the mark does not display.

Warning display

In the following situations, the RSA system alerts the driver using a warning display.

- When the vehicle speed exceeds the speed warning threshold applied to the speed limit of the sign displayed on the multi-information display, the sign color becomes inverted.
- If it is detected that your vehicle is overtaking when a no overtaking sign is displayed on the multi-information display, the sign flashes.

Depending on the situation, traffic environment (traffic direction, speed, unit) may be detected incorrectly and a warning display may not operate properly.

Automatic turn-off of RSA sign display

One or more signs automatically turn off in the following situations.

- A new sign is not recognized for a certain distance.
- The road changes due to a left or right turn, etc.

Conditions in which the function may not operate or detect correctly

In the following situations, RSA does not operate normally and may not recognize signs, display the incorrect sign, etc. However, this does not indicate a malfunction.

- The camera sensor is misaligned due to a strong impact being applied to the sensor, etc.
- Dirt, snow, stickers, etc. are on the windshield near the camera sensor.
- In inclement weather such as heavy rain, fog, snow or sand storms
- Light from an oncoming vehicle, the sun, etc. enters the camera sensor.
- The sign is dirty, faded, tilted or bent, and if an electronic sign, the contrast is poor.
- All or part of the sign is hidden by the leaves of a tree, a pole, etc.
- The sign is only visible to the camera sensor for a short amount of time.
- The driving scene (turning, lane change, etc.) is judged incorrectly.
- Even if it is a sign not appropriate for the currently traveled lane, such a sign exists directly after a freeway branches, or in an adjacent lane just before merging.
- Stickers are attached to the rear of the preceding vehicle.
- A sign resembling a system compatible sign is recognized.
- The vehicle is driven in a country with a different direction of traffic.
- Side road speed signs may be detected and displayed (if positioned in sight of the camera sensor) while the vehicle is traveling on the main road.

- Roundabout exit road speed signs may be detected and displayed (if positioned in sight of the camera sensor) while traveling on a roundabout.
- The speed information displayed on the meter and that displayed on the navigation system may be different due to the navigation system using map data.

■ **Turning the system on/off**

1 Press ∧ / ∨ of the meter control switches, select .

2 Press 〈 / 〉 of the meter control switched, select .

3 Press OK of the meter control switch.

Each time OK is pressed, the function changes on/off.

■ **Speed limit sign display**

If the power switch was last turned off while a speed limit sign was displayed on the multi-information display, the same sign displays again when the power switch is turned to ON mode.

■ **Customization**

Some functions can be customized. (→P. 148)

Dynamic radar cruise control with full-speed range

Summary of functions

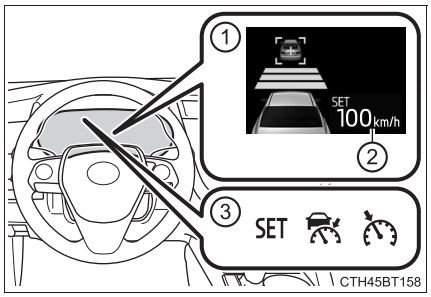
In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates, decelerates and stops to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.

Use the dynamic radar cruise control with full-speed range on free-ways and highways.

- Vehicle-to-vehicle distance control mode (→P. 337)
- Constant speed control mode (→P. 343)

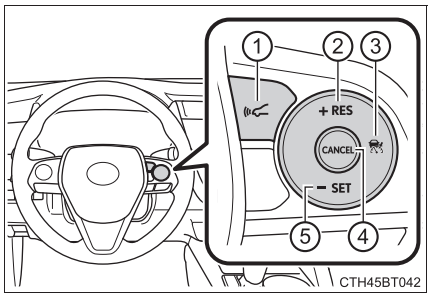
■ Meter display

① Display
② Set speed
③ Indicators



■ Operation switches

① Vehicle-to-vehicle distance switch
② “+ RES” switch
③ Cruise control main switch
④ Cancel switch
⑤ “- SET” switch



WARNING

■ Before using dynamic radar cruise control with full-speed range

- Driving safely is the sole responsibility of the driver. Do not rely solely on the system, and drive safely by always paying careful attention to your surroundings.
- The dynamic radar cruise control with full-speed range provides driving assistance to reduce the driver's burden. However, there are limitations to the assistance provided.

  Read the following conditions carefully. Do not overly rely on this system and always drive carefully.

  • When the sensor may not be correctly detecting the vehicle ahead: →P. 346
  • Conditions under which the vehicle-to-vehicle distance control mode may not function correctly: →P. 347
- Set the speed appropriately depending on the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for checking the set speed.
- Even when the system is functioning normally, the condition of the preceding vehicle as detected by the system may differ from the condition observed by the driver. Therefore, the driver must always remain alert, assess the danger of each situation and drive safely. Relying on this system or assuming the system ensures safety while driving can lead to an accident, resulting in death or serious injury.

WARNING

■ Cautions regarding the driving assist systems

Observe the following precautions, as there are limitations to the assistance provided by the system.
Failure to do so may cause an accident resulting in death or serious injury.

- Assisting the driver to measure following distance
  The dynamic radar cruise control with full-speed range is only intended to help the driver in determining the following distance between the driver's own vehicle and a designated vehicle traveling ahead. It is not a mechanism that allows careless or inattentive driving, and it is not a system that can assist the driver in low-visibility conditions. It is still necessary for driver to pay close attention to the vehicle's surroundings.
- Assisting the driver to judge proper following distance
  The dynamic radar cruise control with full-speed range determines whether the following distance between the driver's own vehicle and a designated vehicle traveling ahead is within a set range. It is not capable of making any other type of judgement. Therefore, it is absolutely necessary for the driver to remain vigilant and to determine whether or not there is a possibility of danger in any given situation.
- Assisting the driver to operate the vehicle
  The dynamic radar cruise control with full-speed range has limited capability to prevent or avoid a collision with a vehicle traveling ahead. Therefore, if there is ever any danger, the driver must take immediate and direct control of the vehicle and act appropriately in order to ensure the safety of all involved.

WARNING

■ **To avoid inadvertent dynamic radar cruise control with full-speed range activation**

Switch the dynamic radar cruise control with full-speed range off using the cruise control main switch when not in use.

■ **Situations unsuitable for dynamic radar cruise control with full-speed range**

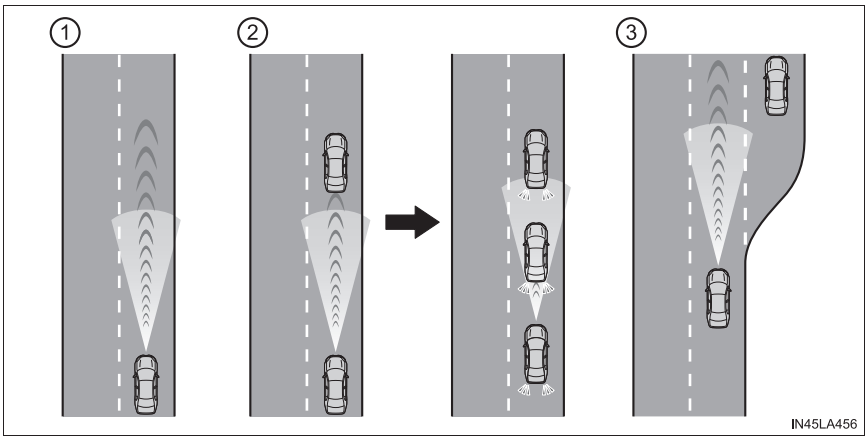
Do not use dynamic radar cruise control with full-speed range in any of the following situations.
Doing so may result in inappropriate speed control and could cause an accident resulting in death or serious injury.

- Roads where there are pedestrians, cyclists, etc.
- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients
  Vehicle speed may exceed the set speed when driving down a steep hill.
- At entrances to freeways and highways
- When weather conditions are bad enough that they may prevent the sensors from detecting correctly (fog, snow, sandstorm, heavy rain, etc.)
- When there is rain, snow, etc. on the front surface of the radar sensor or camera sensor
- In traffic conditions that require frequent repeated acceleration and deceleration
- During emergency towing
- When an approach warning buzzer is heard often

Driving in vehicle-to-vehicle distance control mode

This mode employs a radar sensor to detect the presence of vehicles up to approximately 100 m (328 ft.) ahead, determines the current vehicle-to-vehicle following distance, and operates to maintain a suitable following distance from the vehicle ahead.

Note that vehicle-to-vehicle distance will close in when traveling on downhill slopes.



① Example of constant speed cruising
When there are no vehicles ahead

The vehicle travels at the speed set by the driver. The desired vehicle-to-vehicle distance can also be set by operating the vehicle-to-vehicle distance switch.

② Example of deceleration cruising and follow-up cruising
When a preceding vehicle driving slower than the set speed appears

When a vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system applies the brakes (the stop lights will come on at this time). The system will respond to changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver. Approach warning warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.
When the vehicle ahead of you stops, your vehicle will also stop (vehicle is stopped by system control). After the vehicle ahead starts off, pressing the "+ RES" switch or depressing the accelerator pedal will resume follow-up cruising.

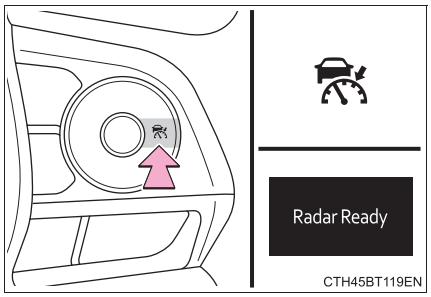
③ Example of acceleration

When there are no longer any preceding vehicles driving slower than the set speed

The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

Setting the vehicle speed (vehicle-to-vehicle distance control mode)

1 Press the cruise control main switch to activate the cruise control.

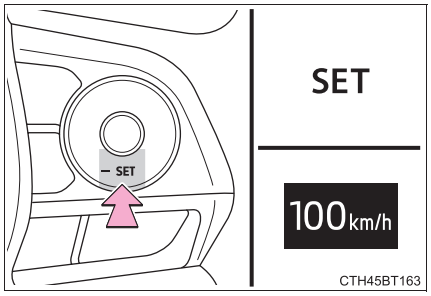


Dynamic radar cruise control indicator will come on and a message will be displayed on the multi-information display.

Press the switch again to deactivate the cruise control.

If the cruise control main switch is pressed and held for 1.5 seconds or more, the system turns on in constant speed control mode. (→P. 343)

2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 50 km/h [30 mph]) and press the “- SET” switch to set the speed.



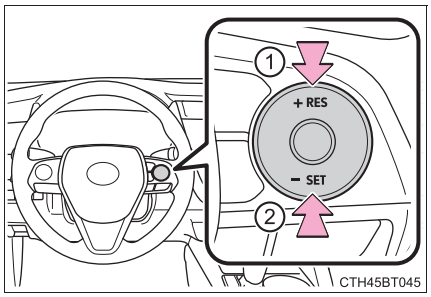
Cruise control “SET” indicator will come on.

The vehicle speed at the moment the switch is released becomes the set speed.

If the switch is operated while the vehicle speed is below approximately 50 km/h (30 mph) and a preceding vehicle is present, the set speed will be adjusted to approximately 50 km/h (30 mph).

Adjusting the set speed

To change the set speed, operate the “+ RES” or “- SET” switch until the desired set speed is displayed.



① Increases the speed

(Except when the vehicle has been stopped by system control in vehicle-to-vehicle distance control mode)

② Decreases the speed

Fine adjustment: Press the switch.

Large adjustment: Press and hold the switch to change the speed, and release when the desired speed is reached.

In the vehicle-to-vehicle distance control mode, the set speed will be increased or decreased as follows:

▶ For Europe

Fine adjustment: By 5 km/h (3.1 mph)*1 or 5 mph (8 km/h)*2 each time the switch is pressed

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)*1 or 5 mph (8 km/h)*2 increments for as long as the switch is held

▶ Except for Europe

Fine adjustment: By 1 km/h (0.6 mph)*1 or 1 mph (1.6 km/h)*2 each time the switch is pressed

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)*1 or 5 mph (8 km/h)*2 increments for as long as the switch is held

In the constant speed control mode (→P. 343), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph)*1 or 1 mph (1.6 km/h)*2 each time the switch is pressed

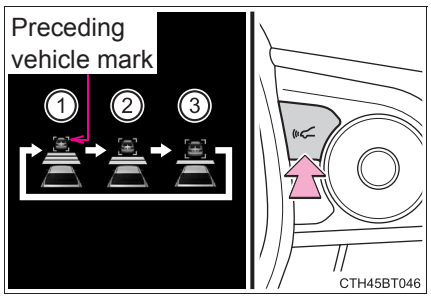
Large adjustment: The speed will continue to change while the switch is held.

*1: When the set speed is shown in “km/h”

*2: When the set speed is shown in “MPH”

Changing the vehicle-to-vehicle distance (vehicle-to-vehicle distance control mode)

Pressing the switch changes the vehicle-to-vehicle distance as follows:



① Long

② Medium

③ Short

The vehicle-to-vehicle distance is set automatically to long mode when the power switch is turned to ON mode.

If a vehicle is running ahead of you, the preceding vehicle mark will also be displayed.

Vehicle-to-vehicle distance settings (vehicle-to-vehicle distance control mode)

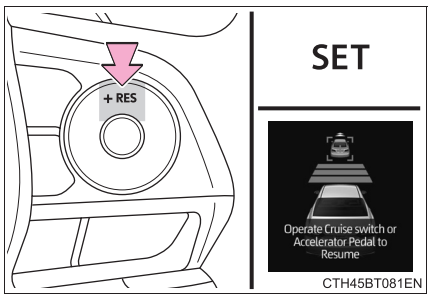
Select a distance from the table below. Note that the distances shown correspond to a vehicle speed of 80 km/h (50 mph). Vehicle-to-vehicle distance increases/decreases in accordance with vehicle speed. When the vehicle is stopped by system control, the vehicle stops at a certain vehicle-to-vehicle distance depending on the situation.

Distance options	Vehicle-to-vehicle distance
Long	Approximately 50 m (160 ft.)
Medium	Approximately 40 m (130 ft.)
Short	Approximately 30 m (100 ft.)

Resuming follow-up cruising when the vehicle has been stopped by system control (vehicle-to-vehicle distance control mode)

After the vehicle ahead of you starts off, press the "+ RES" switch.

Your vehicle will also resume follow-up cruising if the accelerator pedal is depressed after the vehicle ahead of you starts off.

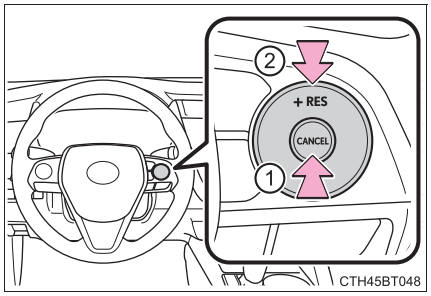


Canceling and resuming the speed control

① Pressing the cancel switch cancels the speed control.

The speed control is also canceled when the brake pedal is depressed.

(When the vehicle has been stopped by system control, depressing the brake pedal does not cancel the setting.)

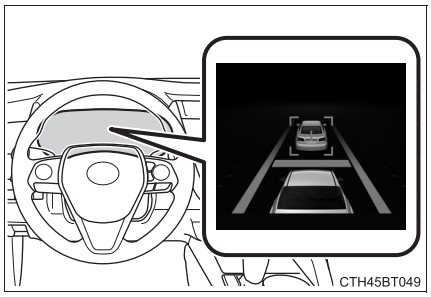


② Pressing the "+ RES" switch resumes the cruise control and returns vehicle speed to the set speed.

However, when a vehicle ahead is not detected, cruise control does not resume when the vehicle speed is approximately 40 km/h (25 mph) or less.

Approach warning (vehicle-to-vehicle distance control mode)

When your vehicle is too close to a vehicle ahead, and sufficient automatic deceleration via the cruise control is not possible, the display will flash and the buzzer will sound to alert the driver. An example of this would be if another driver cuts in front of you while you are following a vehicle. Depress the brake pedal to ensure an appropriate vehicle-to-vehicle distance.



Warnings may not occur when

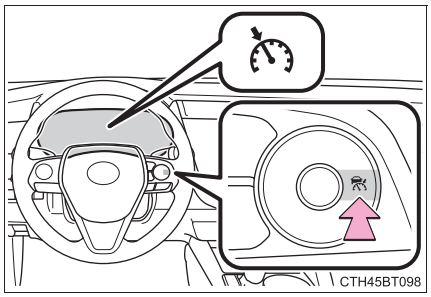
In the following instances, warnings may not occur even when the vehicle-to-vehicle distance is small.

- When the speed of the preceding vehicle matches or exceeds your vehicle speed
- When the preceding vehicle is traveling at an extremely slow speed
- Immediately after the cruise control speed was set
- When depressing the accelerator pedal

Selecting constant speed control mode

When constant speed control mode is selected, your vehicle will maintain a set speed without controlling the vehicle-to-vehicle distance. Select this mode only when vehicle-to-vehicle distance control mode does not function correctly due to a dirty radar sensor, etc.

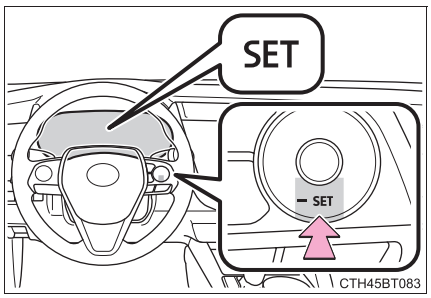
1 With the cruise control off, press and hold the cruise control main switch for 1.5 seconds or more.



Immediately after the switch is pressed, the dynamic radar cruise control indicator will come on. Afterwards, it switches to the cruise control indicator.

Switching to constant speed control mode is only possible when operating the switch with the cruise control off.

2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 40 km/h [25 mph]) and press the "- SET" switch to set the speed.



Cruise control "SET" indicator will come on.

The vehicle speed at the moment the switch is released becomes the set speed.

Adjusting the speed setting: →P. 339

Canceling and resuming the speed setting: →P. 341

■ **Dynamic radar cruise control with full-speed range can be set when**

- The shift lever is in D or range 4 or higher of S has been selected.
- Vehicle speed is at or above approximately 50 km/h (30 mph). However, when a preceding vehicle is detected, the dynamic radar cruise control with full-speed range can be set even if the vehicle speed is below approximately 50 km/h (30 mph).

■ **Accelerating after setting the vehicle speed**

The vehicle can accelerate by operating the accelerator pedal. After accelerating, the set speed resumes. However, during vehicle-to-vehicle distance control mode, the vehicle speed may decrease below the set speed in order to maintain the distance to the preceding vehicle.

■ **When the vehicle stops while follow-up cruising**

- Pressing the “+ RES” switch while the vehicle ahead stops will resume follow-up cruising if the vehicle ahead starts off within approximately 3 seconds after the switch is pressed.
- If the vehicle ahead starts off within 3 seconds after your vehicle stops, follow-up cruising will be resumed.

■ **Automatic cancelation of vehicle-to-vehicle distance control mode**

Vehicle-to-vehicle distance control mode is automatically canceled in the following situations:

- Actual vehicle speed falls at or below approximately 40 km/h (25 mph) when there are no vehicles ahead.
- The preceding vehicle leaves the lane when your vehicle is following at a vehicle speed at or below approximately 40 km/h (25 mph). Otherwise, the sensor cannot properly detect the vehicle. (“Radar Cruise Control Unavailable” is displayed on the multi-information display)
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- The sensor cannot detect correctly because it is covered in some way.
- Pre-collision braking is activated.
- The parking brake is operated.
- The vehicle is stopped by system control on a steep incline.
- The following are detected when the vehicle has been stopped by system control:
  - The driver is not wearing a seat belt.
  - The driver’s door is opened.
  - The vehicle has been stopped for about 3 minutes

If vehicle-to-vehicle distance control mode is automatically canceled for any other reason, there may be a malfunction in the system. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Automatic cancelation of constant speed control mode**

Constant speed control mode is automatically canceled in the following situations:

- Actual vehicle speed is more than approximately 16 km/h (10 mph) below the set vehicle speed.
- Actual vehicle speed falls below approximately 40 km/h (25 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- Pre-collision braking is activated.

If constant speed control mode is automatically canceled for any other reason, there may be a malfunction in the system. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Brake system operation sound**

If the brakes are applied automatically while the vehicle is in vehicle-to-vehicle distance control mode, a brake system operation sound may be heard. This does not indicate a malfunction.

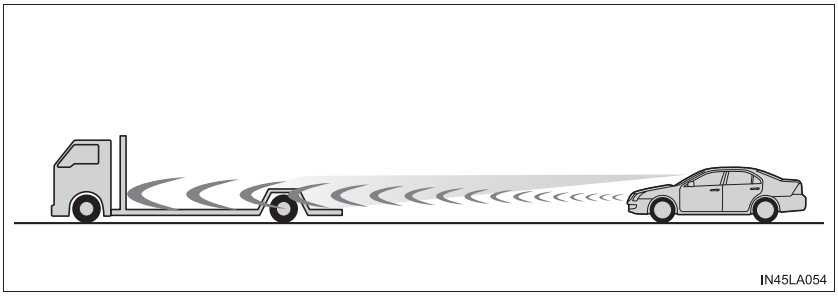
■ **Warning messages and buzzers for dynamic radar cruise control with full-speed range**

Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution while driving. If a warning message is shown on the multi-information display, read the message and follow the instructions.

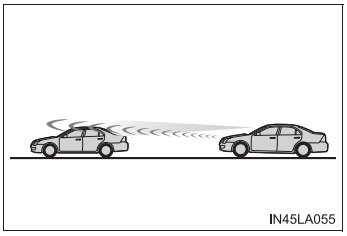
■ **When the sensor may not be correctly detecting the vehicle ahead**

In the case of the following and depending on the conditions, operate the brake pedal when deceleration of the system is insufficient or operate the accelerator pedal when acceleration is required.
As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P. 342) may not be activated.

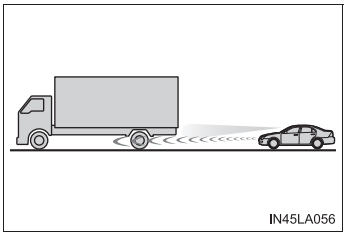
- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board, etc.)


IN45LA054

- Motorcycles traveling in the same lane
- When water or snow thrown up by the surrounding vehicles hinders the detecting of the sensor
- When your vehicle is pointing upwards (caused by a heavy load in the luggage compartment, etc.)


IN45LA055

- Preceding vehicle has an extremely high ground clearance

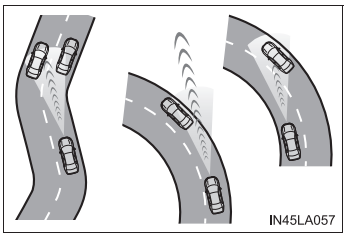

IN45LA056

■ **Conditions under which the vehicle-to-vehicle distance control mode may not function correctly**

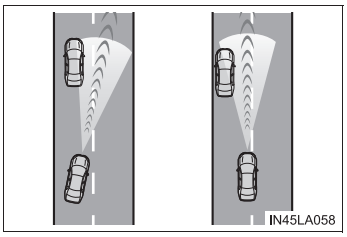
In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

As the sensor may not be able to correctly detect vehicles ahead, the system may not operate properly.

- When the road curves or when the lanes are narrow



- When steering wheel operation or your position in the lane is unstable



- When the vehicle ahead of you decelerates suddenly
- When driving on a road surrounded by a structure, such as in a tunnel or on a bridge
- While the vehicle speed is decreasing to the set speed after the vehicle accelerates by depressing the accelerator pedal

Driving assist systems

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

◆ ECB (Electronically Controlled Brake System)

The electronically controlled system generates braking force corresponding to the brake operation

◆ ABS (Anti-lock Brake System)

Helps to prevent wheel lock when the brakes are applied suddenly, or if the brakes are applied while driving on a slippery road surface

◆ Brake assist

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

◆ VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces.

◆ VSC+ (Vehicle Stability Control+)

Provides cooperative control of the ABS, TRC, VSC and EPS.

Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

◆ Secondary Collision Brake

When the SRS airbag sensor detects a collision and the system operates, the brakes and brake lights are automatically controlled to reduce the vehicle speed and help reduce the possibility of further damage due to a secondary collision.

◆ TRC (Traction Control)

Helps to maintain drive power and prevent the drive wheels from spinning when starting the vehicle or accelerating on slippery roads

◆ **Hill-start assist control**

Helps to reduce the backward movement of the vehicle when starting on an uphill

◆ **EPS (Electric Power Steering)**

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

◆ **PCS (Pre-Collision System)**

→P. 306

◆ **Emergency brake signal**

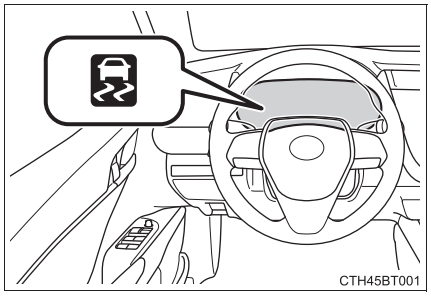
When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehicle behind.

◆ **BSM (Blind Spot Monitor) (if equipped)**

→P. 356

When the TRC/VSC/ABS systems are operating

The slip indicator light will flash while the TRC/VSC/ABS systems are operating.



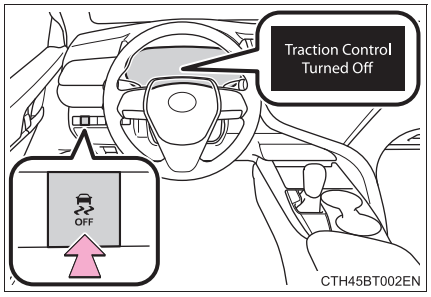
Disabling the TRC system

If the vehicle gets stuck in mud, dirt or snow, the TRC system may reduce power from the hybrid system to the wheels. Pressing [OFF] to turn the system off may make it easier for you to rock the vehicle in order to free it.

To turn the TRC system off, quickly press and release [OFF].

The “Traction Control Turned OFF” will be shown on the multi-information display.

Press [OFF] again to turn the system back on.



■ **Turning off both TRC and VSC systems**

To turn the TRC and VSC systems off, press and hold [ ] for more than 3 seconds while the vehicle is stopped.

The VSC OFF indicator light will come on and the "Traction Control Turned OFF" will be shown on the multi-information display*.

Press [ ] again to turn the systems back on.

*: Pre-collision brake assist and pre-collision braking will also be disabled. The PCS warning light will come on and the message will be shown on the multi-information display. (→P. 317)

■ **When the message is displayed on the multi-information display showing that TRC has been disabled even if [ ] has not been pressed**

TRC is temporary deactivated. If the information continues to show, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Operating conditions of hill-start assist control**

When the following four conditions are met, the hill-start assist control will operate:

- The shift lever is in a position other than P or N (when starting off forward/backward on an upward incline)
- The vehicle is stopped
- The accelerator pedal is not depressed
- The parking brake is not engaged

■ **Automatic system cancelation of hill-start assist control**

The hill-start assist control will turn off in any of the following situations:

- The shift lever is shifted to P or N
- The accelerator pedal is depressed
- The parking brake is engaged
- 2 seconds at maximum elapsed after the brake pedal is released

■ **Sounds and vibrations caused by the ABS, brake assist, VSC, TRC, and hill-start assist control systems**

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the hybrid system is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in any of these systems.
- Any of the following conditions may occur when the above systems are operating. None of these indicates that a malfunction has occurred.
  - Vibrations may be felt through the vehicle body and steering.
  - A motor sound may be heard also after the vehicle comes to a stop.

■ **ECB operating sound**

ECB operating sound may be heard in the following cases, but it does not indicate that a malfunction has occurred.

- Operating sound heard from the engine compartment when the brake pedal is operated.
- Motor sound of the brake system heard from the front part of the vehicle when the driver's door is opened.
- Operating sound heard from the engine compartment when one or two minutes passed after the stop of the hybrid system.

■ **EPS operation sound**

When the steering wheel is operated, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ **Automatic reactivation of TRC and VSC systems**

After turning the TRC and VSC systems off, the systems will be automatically re-enabled in the following situations:

- When the power switch is turned off
- If only the TRC system is turned off, the TRC will turn on when vehicle speed increases
  If both the TRC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases

■ **Secondary Collision Brake operating conditions**

The vehicle speed is approximately 10 km/h (6 mph) or more and the airbag sensor detects a collision. (The Secondary Collision Brake will not operate when the vehicle speed is below approximately 10km/h [6 mph].)

■ **Secondary Collision Brake automatic cancellation**

The Secondary Collision Brake is automatically canceled in the following situations:

- The vehicle speed drops below approximately 10 km/h (6 mph)
- A certain amount of time elapses during operation
- The accelerator pedal is depressed a large amount

■ **Reduced effectiveness of the EPS system**

The effectiveness of the EPS system is reduced to prevent the system from overheating when there is frequent steering input over an extended period of time. The steering wheel may feel heavy as a result. Should this occur, refrain from excessive steering input or stop the vehicle and turn the hybrid system off. The EPS system should return to normal within 10 minutes.

■ **Operating conditions of emergency brake signal**

When the following conditions are met, the emergency brake signal will operate:

- The emergency flashers are off
- Actual vehicle speed is over 55 km/h (35 mph)
- The system judges from the vehicle deceleration that it is a sudden braking operation.

■ **Automatic system cancelation of emergency brake signal**

The emergency brake signal will be canceled in any of the following situations:

- The emergency flashers are turned on
- The system judges from the vehicle deceleration that is not a sudden braking operation

WARNING

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

- The limits of tire gripping performance have been exceeded (such as excessively worn tires on a snow covered road).
- The vehicle hydroplanes while driving at high speed on wet or slick roads.

■ **Stopping distance when the ABS is operating may exceed that of normal conditions**

The ABS is not designed to shorten the vehicle's stopping distance. Always maintain a safe distance from the vehicle in front of you, especially in the following situations:

- When driving on dirt, gravel or snow-covered roads
- When driving with tire chains
- When driving over bumps on the road
- When driving over roads with potholes or uneven surfaces

■ **TRC/VSC may not operate effectively when**

Directional control and power may not be achievable while driving on slippery road surfaces, even if the TRC/VSC system is operating.
Drive the vehicle carefully in conditions where stability and power may be lost.

■ **Hill- start assist control does not operate effectively when**

- Do not overly rely on hill-start assist control. Hill-start assist control may not operate effectively on steep inclines and roads covered with ice.
- Unlike the parking brake, hill-start assist control is not intended to hold the vehicle stationary for an extended period of time. Do not attempt to use hill-start assist control to hold the vehicle on an incline, as doing so may lead to an accident.

■ **When the TRC/ABS/VSC is activated**

The slip indicator light flashes. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator light flashes.

■ **When the TRC/VSC systems are turned off**

Be especially careful and drive at a speed appropriate to the road conditions. As these are the systems to help ensure vehicle stability and driving force, do not turn the TRC/VSC systems off unless necessary.

■ **Secondary Collision Brake**

Do not overly rely on the Secondary Collision Brake. This system is designed to help reduce the possibility of further damage due to a secondary collision, however, that effect changes according to various conditions. Overly relying on the system may result in death or serious injury.

WARNING

■ Replacing tires

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

The ABS, TRC and VSC systems will not function correctly if different tires are installed on the vehicle.
Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer 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.

BSM (Blind Spot Monitor)*

Summary of the Blind Spot Monitor

The Blind Spot Monitor is a system that has 2 functions;

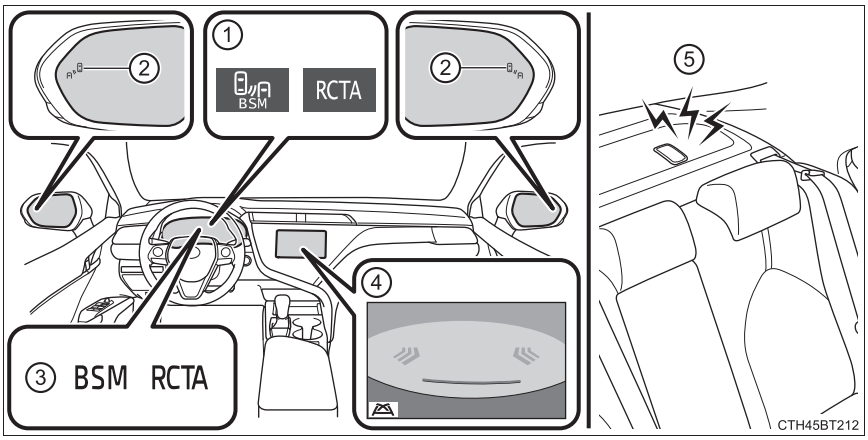
- The BSM (Blind Spot Monitor) function

  Assists the driver in making a decision when changing lanes

- The RCTA (Rear Crossing Traffic Alert) function

  Assists the driver when backing up

These functions use same sensors.



1 Multi-information display

Turning the BSM function/RCTA function on/off. (→P. 357)

2 Outside rear view mirror indicators

BSM function:
When a vehicle is detected in the blind spot, the outside rear view mirror indicator comes on while the turn signal lever is not operated and the outside rear view mirror indicator flashes while the turn signal lever is operated.

RCTA function:
When a vehicle approaching from the right or left rear of the vehicle is detected, the outside rear view mirror indicators flash.

3 “BSM” indicator/“RCTA” indicator

When the BSM function/RCTA function is turned on, the indicator illuminates.

*: If equipped

④ Audio system screen (RCTA function only)

If a vehicle approaching from the right or left at the rear of the vehicle is detected, the RCTA icon (→P. 370) for the detected side will be displayed.

⑤ RCTA buzzer (RCTA function only)

When a vehicle approaching from the right or left rear of the vehicle is detected, a buzzer sounds from behind the rear seat.

Turning the BSM function/RCTA function on/off

1 Press ∧ / ∨ of the meter control switches, select ⚙.

2 Press ‹ / › of the meter control switches, select BSM or RCTA.

3 Press OK of the meter control switch.

Each time OK is pressed, the function changes on/off.

■ The outside rear view mirror indicators visibility

When under strong sunlight, the outside rear view mirror indicator may be difficult to see.

■ RCTA buzzer hearing

RCTA function may be difficult to hear over loud noises such as high audio volume.

■ When "Blind Spot Monitor Unavailable" and "Rear Cross Traffic Alert Unavailable" are shown on the multi-information display

Ice, snow, mud, etc., may be attached to the rear bumper around the sensors. (→P. 366)

The system should return to normal operation after removing the ice, snow, mud, etc. from the rear bumper.

Additionally, the sensors may not operate normally when driving in extremely hot or cold environments.

■ When there is a malfunction in the Blind Spot Monitor

If a system malfunction is detected due to any of the following reasons, a warning message will be displayed:

- There is a malfunction with the sensors
- The sensors have become dirty
- The outside temperature is extremely high or low
- The sensor voltage has become abnormal

■ **Certification for the Blind Spot Monitor**

Transmitter:	Model: DNSRR003 Operation frequency: 24.15 GHz Maximum output power: 20 mW or less
Manufacturer:	DENSO CORPORATION
Address:	1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan

Hereby, DENSO CORPORATION declares that the radio equipment type is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
https://www.denso.com/global/en/contact-us/doc/

01

DENSO CORPORATION vakuuttaa, että radiolaitetyyppi on direktiivin 2014/53/EU mukainen.
EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
https://www.denso.com/global/en/contact-us/doc/

02

Hierbij verklaar ik, DENSO CORPORATION, dat het type radioapparatuur conform is met Richtlijn 2014/53/EU.
De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
https://www.denso.com/global/en/contact-us/doc/

03

Le soussigné, DENSO CORPORATION, déclare que l'équipement radioélectrique du type est conforme à la directive 2014/53/UE.
Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:
https://www.denso.com/global/en/contact-us/doc/

04

Härmed försäkrar DENSO CORPORATION att denna typ av radioutrustning överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.denso.com/global/en/contact-us/doc/ 05
Hermed erklærer DENSO CORPORATION, at radioudstyrstypen er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.denso.com/global/en/contact-us/doc/ 06
Hiermit erklärt DENSO CORPORATION, dass der Funkanlagentyp der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.denso.com/global/en/contact-us/doc/ 07
Με την παρούσα ο/η DENSO CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.denso.com/global/en/contact-us/doc/ 08
Il fabbricante, DENSO CORPORATION, dichiara che il tipo di apparecchiatura radio è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.denso.com/global/en/contact-us/doc/ 09

Por la presente, DENSO CORPORATION declara que el tipo de equipo radioeléctrico es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.denso.com/global/en/contact-us/doc/ 10
O(a) abaixo assinado(a) DENSO CORPORATION declara que o presente tipo de equipamento de rádio está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://www.denso.com/global/en/contact-us/doc/ 11
B'dan, DENSO CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.denso.com/global/en/contact-us/doc/ 12
Käesolevaga deklareerib DENSO CORPORATION, et käesolev raadioseadme tüüp vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://www.denso.com/global/en/contact-us/doc/ 13
DENSO CORPORATION igazolja, hogy a típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://www.denso.com/global/en/contact-us/doc/ 14

DENSO CORPORATION týmto vyhlasuje, že rádiové zariadenie typu je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.denso.com/global/en/contact-us/doc/ 15
Tímto DENSO CORPORATION prohlašuje, že typ rádiového zařízení je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.denso.com/global/en/contact-us/doc/ 16
DENSO CORPORATION potrjuje, da je tip radijske opreme skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.denso.com/global/en/contact-us/doc/ 17
Aš, DENSO CORPORATION, patvirtinu, kad radijo įrenginių tipas atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.denso.com/global/en/contact-us/doc/ 18
Ar šo DENSO CORPORATION deklarē, ka radioiekārta atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.denso.com/global/en/contact-us/doc/ 19

DENSO CORPORATION niniejszym oświadcza, że typ urządzenia radiowego jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.denso.com/global/en/contact-us/doc/ 20
Hér með lýsir DENSO CORPORATION yfir því að er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: https://www.denso.com/global/en/contact-us/doc/ 21
DENSO CORPORATION erklærer at er i overensstemmelse med direktiv 2014/53/EU. Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse: https://www.denso.com/global/en/contact-us/doc/ 22
С настоящото DENSO CORPORATION декларира, че този тип радиосъоръжение е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.denso.com/global/en/contact-us/doc/ 23
Prin prezenta, DENSO CORPORATION declară că tipul de echipamente radio este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.denso.com/global/en/contact-us/doc/ 24

DENSO CORPORATION ovime izjavljuje da je radijska oprema tipa u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://www.denso.com/global/en/contact-us/doc/ 25
Овиме, DENSO CORPORATION изјављује да је радио опрема тип усаглашена са Директивом 2014/53/EU. Цео текст ЕУ декларације о усаглашености доступам је на следећој интернет адреси: https://www.denso.com/global/en/contact-us/doc/ 26
Amb aquest document, DENSO CORPORATION declara que el tipus d'equipament radioelèctric es conforme a la Directiva 2014/53/UE. El text complet de la declaració UE de conformitat està disponible en la següent adreça d'Internet: https://www.denso.com/global/en/contact-us/doc/ 27
İşbu belge; DENSO CORPORATION telsiz ekipmanı tipinin 2014/53/AB sayılı Direktif'e uygun olduğunu beyan eder. AB uygunluk beyanının tam metni aşağıdaki internet adresinde mevcuttur: https://www.denso.com/global/en/contact-us/doc/ 28
Nepermjet kesaj, DENSO CORPORATION, deklaroj qe ky DNSRR003 eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC. 29

CE The latest "DECLARATION of CONFORMITY" (DoC) is available at the following address: https://www.denso.com/global/en/contact-us/doc/

טויוטה מוטור אירופה נו\סא, שדרות דו בורגט 60-1140 בריסל,

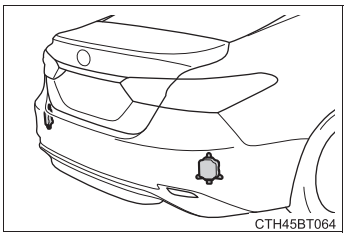
בלגיה www.toyota-europe.com

מוצר : חיישן נסתר
סימן רשום : DENSO
ארץ ייצור : ראה מוצר
דגם : DNSRR003
שנת ייצור : ראה מוצר

WARNING

■ **Handling the radar sensor**

One Blind Spot Monitor sensor is installed inside the left and right side of the vehicle rear bumper respectively. Observe the following to ensure the Blind Spot Monitor can function correctly.


CTH45BT064

- Keep the sensor and its surrounding area on the bumper clean at all times. If a sensor or its surrounding area on the rear bumper is dirty or covered with snow, the Blind Spot Monitor may not operate and a warning message will be displayed.
  In this situation, clear off the dirt or snow and drive the vehicle with the operation conditions of the BSM function satisfied for approximately 60 minutes. If the warning message does not disappear, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer
- Do not subject a sensor or its surrounding area on the rear bumper to a strong impact.
  If a sensor is moved even slightly off position, the system may malfunction and vehicles may not be detected correctly.
  In the following situations, have your vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
  - A sensor or its surrounding area is subject to a strong impact.
  - If the surrounding area of a sensor is scratched or dented, or part of them has become disconnected.
- Do not disassemble the sensor.
- Do not attach accessories or stickers to the sensor or surrounding area on the bumper.
- Do not modify the sensor or surrounding area on the bumper.
- Do not paint the rear bumper any color other than an official Toyota color.

BSM function

The BSM function uses radar sensors to detect vehicles that are traveling in an adjacent lane in the area that is usually not reflected in the outside rear view mirror (the blind spot), and advises the driver of the vehicles existence via the outside rear view mirror indicator.

BSM function detection areas

The areas that vehicles can be detected in are outlined below.

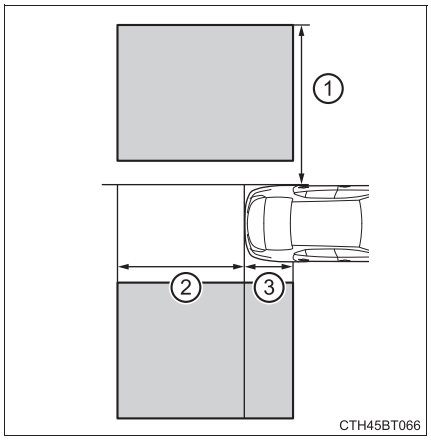
The range of the detection area extends to:

① Approximately 3.5 m (11.5 ft.) from the side of the vehicle

The first 0.5 m (1.6 ft.) from the side of the vehicle is not in the detection area

② Approximately 3 m (9.8 ft.) from the rear bumper

③ Approximately 1 m (3.3 ft.) forward of the rear bumper



⚠ WARNING

■ Cautions regarding the use of the system

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The BSM function is a supplementary function which alerts the driver that a vehicle is present in the blind spot. Do not overly rely on the BSM function. The function cannot judge if it is safe to change lanes, therefore over reliance could cause an accident resulting in death or serious injury.

According to conditions, the system may not function correctly. Therefore the driver's own visual confirmation of safety is necessary.

■ **The BSM function is operational when**

- The BSM function is turned on
- Vehicle speed is greater than approximately 16 km/h (10 mph).

■ **The BSM function will detect a vehicle when**

- A vehicle in an adjacent lane overtakes your vehicle.
- Another vehicle enters the detection area when it changes lanes.

■ **Conditions under which the BSM function will not detect a vehicle**

The BSM function is not designed to detect the following types of vehicles and/or objects:

- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles traveling in the opposite direction
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Following vehicles that are in the same lane*
- Vehicles driving 2 lanes across from your vehicle*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

■ **Conditions under which the BSM function may not function correctly**

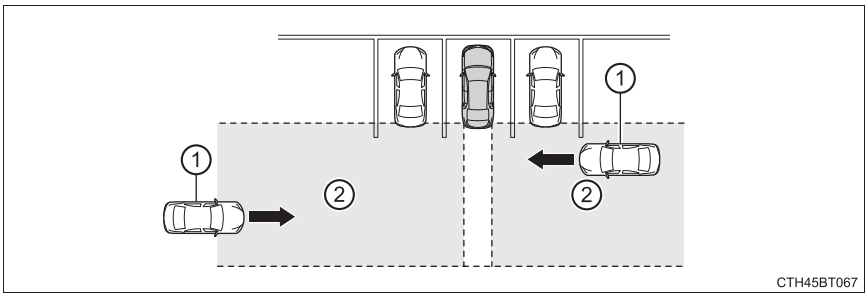
- The BSM function may not detect vehicles correctly in the following conditions:
  - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
  - During bad weather such as heavy rain, fog, snow, etc.
  - When ice or mud, etc., is attached to the rear bumper
  - When driving on a road surface that is wet due to rain, standing water, snow, etc.
  - When there is a significant difference in speed between your vehicle and the vehicle that enters the detection area
  - When a vehicle is in the detection area from a stop and remains in the detection area as your vehicle accelerates
  - When driving up or down consecutive steep inclines, such as hills, a dip on the road, etc.
  - When driving on roads with sharp bends, consecutive curves, or uneven surfaces
  - When multiple vehicles approach with only a small gap between each vehicle
  - When vehicle lanes are wide, and the vehicle in the next lane is too far away from your vehicle
  - When the vehicle that enters the detection area is traveling at about the same speed as your vehicle
  - When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
  - Directly after the BSM function is turned on

● Instances of the BSM function unnecessarily detecting a vehicle and/or object may increase under the following conditions:

- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When there is only a short distance between your vehicle and a guardrail, wall, etc.
- When there is only a short distance between your vehicle and a following vehicle
- When vehicle lanes are narrow and a vehicle driving 2 lanes across from your vehicle enters the detection area
- When items such as a bicycle carrier are installed on the rear of the vehicle

RCTA function

The RCTA functions when your vehicle is in reverse. It can detect other vehicles approaching from the right or left rear of the vehicle. It uses radar sensors to alert the driver of the other vehicle's existence through flashing the outside rear view mirror indicators and sounding a buzzer.



① Approaching vehicles ② Detection areas

■ RCTA icon display

When a vehicle approaching from the right or left at the rear of the vehicle is detected, the following will be displayed on the audio system screen.

Toyota parking assist monitor	Content
	A vehicle is approaching from the left or right at the rear of the vehicle

: The RCTA function is malfunctioning (→P. 357)

WARNING

■ **Cautions regarding the use of the system**

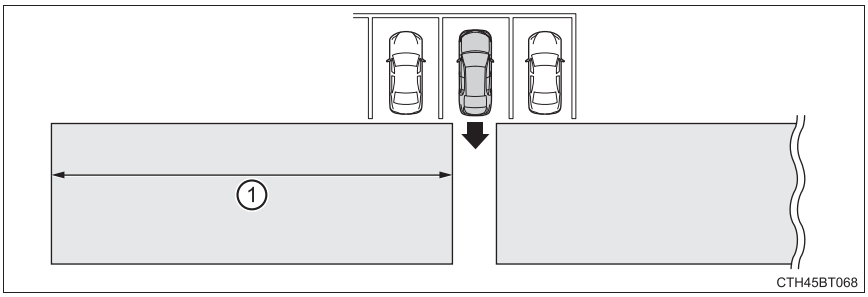
The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The RCTA function is only an assist and is not a replacement for careful driving. Driver must be careful when backing up, even when using RCTA function. The driver's own visual confirmation of behind you and your vehicle is necessary and be sure there are no pedestrians, other vehicles, etc., before backing up. Failure to do so could cause death or serious injury.

According to conditions, the system may not function correctly. Therefore the driver's own visual confirmation of safety is necessary.

RCTA function detection areas

The areas that vehicles can be detected in are outlined below.



To give the driver a more consistent time to react, the buzzer can alert for faster vehicles from farther away.

Example:

Approaching vehicle	Speed	① Approximate alert distance
Fast	28 km/h (18 mph)	20 m (65 ft.)
Slow	8 km/h (5 mph)	5.5 m (18 ft.)

■ The RCTA function is operational when

- The RCTA function is turned on.
- The shift lever is in R.
- Vehicle speed is less than approximately 8 km/h (5 mph).
- Approaching vehicle speed is between approximately 8 km/h (5 mph) and 28 km/h (18 mph).

■ Conditions under which the RCTA function will not detect a vehicle

The RCTA function is not designed to detect the following types of vehicles and/or objects:

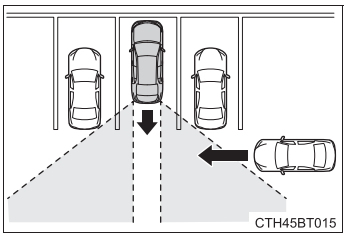
- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles approaching from directly behind
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*
- Vehicles backing up in the parking space next to your vehicle*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

■ **Conditions under which the RCTA function may not function correctly**

● The RCTA function may not detect vehicles correctly in the following conditions:

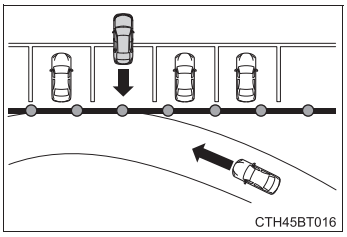
- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When ice or mud, etc. is attached to the rear bumper
- During bad weather such as heavy rain, fog, snow, etc.
- When multiple vehicles approach continuously
- Shallow angle parking
- When a vehicle is approaching at high speed
- When parking on a steep incline, such as hills, a dip on the road, etc.
- Directly after the RCTA function is turned on
- Directly after the hybrid system is started with the RCTA function on.
- Vehicles that the sensors cannot detect because of obstacles



- When items such as a bicycle carrier are installed on the rear of the vehicle

● Instances of the RCTA function unnecessarily detecting a vehicle and/or object may increase in the following situations:

- When a vehicle passes by the side of your vehicle
- When the parking space faces a street and vehicles are being driven on the street



- When the distance between your vehicle and metal objects, such as a guardrail, wall, sign, or parked vehicle, which may reflect electrical waves toward the rear of the vehicle, is short

Changing settings of the indicators on the outside rear view mirrors and RCTA buzzer

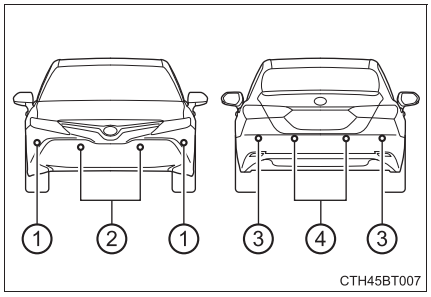
The brightness of the indicators on the outside rear view mirrors and the volume of the RCTA buzzer can be changed on (→P. 148) of the multi-information display.

Toyota parking assist-sensor

The distance from your vehicle to nearby static objects when parallel parking or maneuvering into a garage is measured by the sensors and communicated via the displays and a buzzer. Always check the surrounding area when using this system.

Types of sensors

① Front corner sensors
② Front center sensors (if equipped)
③ Rear corner sensors
④ Rear center sensors (if equipped)



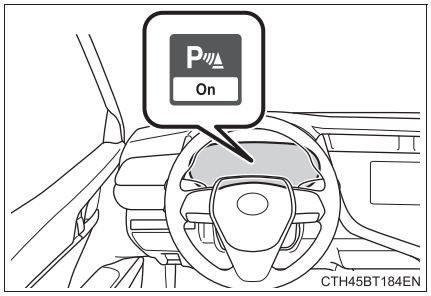
Turning the Toyota parking assist-sensor on/off

1 Press ∧ / ∨ of the meter control switches, select ⚙.

2 Press 〈 / 〉 of the meter control switches, select P.

3 Press OK of the meter control switch.

Each time OK is pressed, the function changes on/off.



When on, the indicator light comes on to inform the driver that the system is operational.

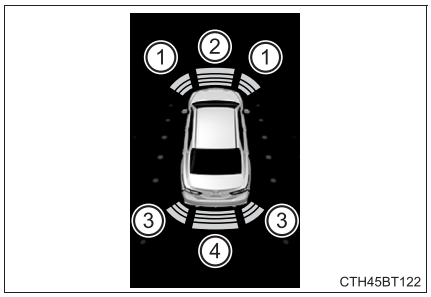
Display

When the sensors detect an obstacle, the following displays inform the driver of the position and distance to the obstacle.

The illustration used is intended as an example, and may differ from the image that is actually displayed on the multi-information display.

■ Multi-information display

① Front corner sensor operation
② Front center sensor operation (if equipped)
③ Rear corner sensor operation
④ Rear center sensor operation (if equipped)

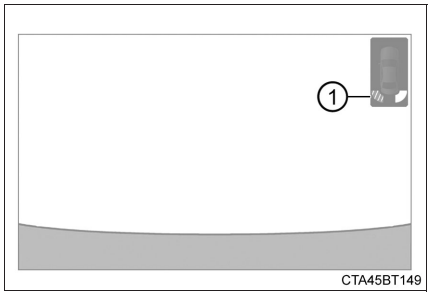


■ Audio system screen

① Toyota parking assist-sensor

When the vehicle is moving backward.

A simplified image is displayed on the upper part of the screen when an obstacle is detected.



■ Muting the buzzer sound

● To mute the buzzer sound

The buzzer can be temporarily muted by pressing OK of the meter control switches while an obstacle detection display is shown on the multi-information display.

● To cancel the mute

Mute will be automatically cancelled in the following situations.

- When the shift position is changed
- When the vehicle speed has reached or exceeded approximately 10 km/h (6 mph) with the shift lever in D
- When the Toyota parking assist-sensor is turned off once and turned on again
- When the power switch is turned off once and turned to ON mode again
- When a sensor is malfunctioning

Sensor detection display, obstacle distance

■ Distance display

Sensors that detect an obstacle will illuminate continuously or blink.

Multi-information display*	Insert display: Toyota parking assist monitor		Approximate distance to obstacle: Front and rear center sensor (if equipped)	Approximate distance to obstacle: Front and rear corner sensor
 (continuous)	 (blinking slowly)	Far ↑	Front center sensor: 100 cm (3.3 ft.) to 60 cm (2.0 ft.) Rear center sensor: 150 cm (4.9 ft.) to 60 cm (2.0 ft.)	—
 (continuous)	 (blinking)		60 cm (2.0 ft.) to 45 cm (1.5 ft.)	60 cm (2.0 ft.) to 45 cm (1.5 ft.)
 (continuous)	 (blinking rapidly)		45 cm (1.5 ft.) to 35 cm (1.2 ft.)	45 cm (1.5 ft.) to 35 cm (1.2 ft.)
 (blinking)	 (continuous)	↓ Near	Less than 35 cm (1.2 ft.)	Less than 35 cm (1.2 ft.)

*: The images may differ from those shown in the illustrations. (→P. 375)

■ **Buzzer operation and distance to an obstacle**

A buzzer sounds when the sensors are operating.

- The buzzer sounds faster as the vehicle approaches an obstacle. When the vehicle comes within the following distance of the obstacle, the buzzer sounds continuously: Approximately 35 cm (1.2 ft.).
- When 2 or more obstacles are detected simultaneously, the buzzer system responds to the nearest obstacle. If one or both come within the above distances, the beep will repeat a long tone, followed by fast beeps.

Detection range of the sensors

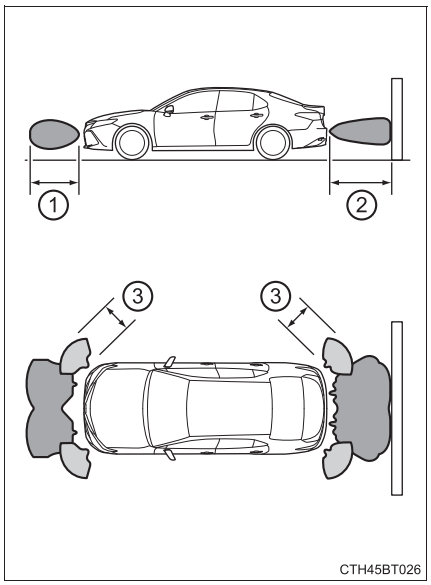
① Approximately 100 cm (3.3 ft.) (if equipped)

② Approximately 150 cm (4.9 ft.) (if equipped)

③ Approximately 60 cm (2.0 ft.)

The diagram shows the detection range of the sensors. Note that the sensors cannot detect obstacles that are extremely close to the vehicle.

The range of the sensors may change depending on the shape of the object, etc.



Changing the buzzer sounds volume

The buzzer volume can be changed on the multi-information display (→P. 148) when the power switch is in the ON mode.

■ **The Toyota parking assist-sensor can be operated when**

- Front corner sensors:
  - The power switch is in ON mode.
  - The shift lever is in other than P.
  - The vehicle speed is less than about 10 km/h (6 mph).
- Front center sensors (if equipped):
  - The power switch is in ON mode.
  - The shift lever is in other than P or R.
  - The vehicle speed is less than about 10 km/h (6 mph).
- Rear corner sensors:
  - The power switch is in ON mode.
  - The shift lever is in R.
  - The vehicle speed is less than about 10 km/h (6 mph).
- Rear center sensors (if equipped):
  - The power switch is in ON mode.
  - The shift lever is in R.
  - The vehicle speed is less than about 10 km/h (6 mph).

■ **Toyota parking assist-sensor display**

When an obstacle is detected while the Toyota parking assist monitor is in use, the warning indicator will appear in the upper part of the screen even if the display setting has been set to off.

■ **Sensor detection information**

- The sensor's detection areas are limited to the areas around the vehicle's bumper.
- Depending on the shape of the obstacle and other factors, the detection distance may shorten, or detection may be impossible.
- Obstacles may not be detected if they are too close to the sensor.
- There will be a short delay between obstacle detection and display. Even at slow speeds, there is a possibility that the obstacle will come within the sensor's detection areas before the display is shown and the buzzer sounds.
- Thin posts or objects lower than the sensor may not be detected when approached, even if they have been detected once.
- It might be difficult to hear beeps due to the volume of audio system or air flow noise of the air conditioning system.

■ **If "Parking Assist Unavailable Please Clean Parking Assist Sensor" is displayed on the multi-information display**

A sensor may be dirty or covered with snow or ice. In such cases, if it is removed from the sensor, the system should return to normal.

Also, due to the sensor being frozen at low temperatures, a malfunction display may appear or an obstacle may not be detected. If the sensor thaws out, the system should return to normal.

WARNING

■ When using the Toyota parking assist-sensor

Observe the following precautions.
Failing to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

- Do not use the sensor at speeds in excess of 10 km/h (6 mph).
- The sensors' detection areas and reaction times are limited. When moving forward or reversing, check the areas surrounding the vehicle (especially the sides of the vehicle) for safety, and drive slowly, using the brake to control the vehicle's speed.
- Do not install accessories within the sensors' detection areas.

WARNING

■ **Sensors**

Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect an obstacle. Particular instances where this may occur are listed below.

- There is dirt, snow or ice on the sensor. (Wiping the sensors will resolve this problem.)
- The sensor is frozen. (Thawing the area will resolve this problem.)
  In especially cold weather, if a sensor is frozen the screen may show an abnormal display, or obstacles may not be detected.
- The sensor is covered in any way.
- The vehicle is leaning considerably to one side.
- On an extremely bumpy road, on an incline, on gravel, or on grass.
- The vicinity of the vehicle is noisy due to vehicle horns, motorcycle engines, air brakes of large vehicles, or other loud noises producing ultrasonic waves.
- There is another vehicle equipped with parking assist sensors in the vicinity.
- The sensor is coated with a sheet of spray or heavy rain.
- The sensor is drenched with water on a flooded road.
- The vehicle is equipped with a fender pole or wireless antenna.
- Towing eyelets are installed.
- The bumper or sensor receives a strong impact.
- The vehicle is approaching a tall or curved curb.
- The detection range is reduced due to an object such as a sign.
- In harsh sunlight or intense cold weather.
- The area directly under the bumpers is not detected.
- If obstacles draw too close to the sensor.
- A non-genuine Toyota suspension (lowered suspension, etc.) is installed.
- A backlit license plate is installed.

In addition to the examples above, there are instances in which, because of their shape, signs and other objects may be judged by a sensor to be closer than they are.

WARNING

■ Obstacles which may not be properly detected

The shape of the obstacle may prevent a sensor from detecting it. Pay particular attention to the following obstacles:

- Wires, fences, ropes, etc.
- Cotton, snow and other materials that absorb sound waves
- Sharply-angled objects
- Low obstacles
- Tall obstacles with upper sections projecting outwards in the direction of your vehicle
- People may not be detected if they are wearing certain types of clothing.
- Moving objects such as people or animals

NOTICE

■ When using Toyota parking assist-sensor

In the following situations, the system may not function correctly due to a sensor malfunction, etc. Have the vehicle checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- The Toyota parking assist-sensor operation display flashes, and a buzzer sounds when no obstacles are detected.
- If the area around a sensor collides with something, or is subjected to strong impact.
- If the bumper collides with something.
- If the display shows continuously without beeping, except when the buzzer volume is muted.
- If a display error occurs, first check the sensor.
  If the error occurs even if there is no ice, snow or mud on the sensor, it is likely that the sensor is malfunctioning.

■ Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area.

Doing so may result in the sensor malfunctioning.

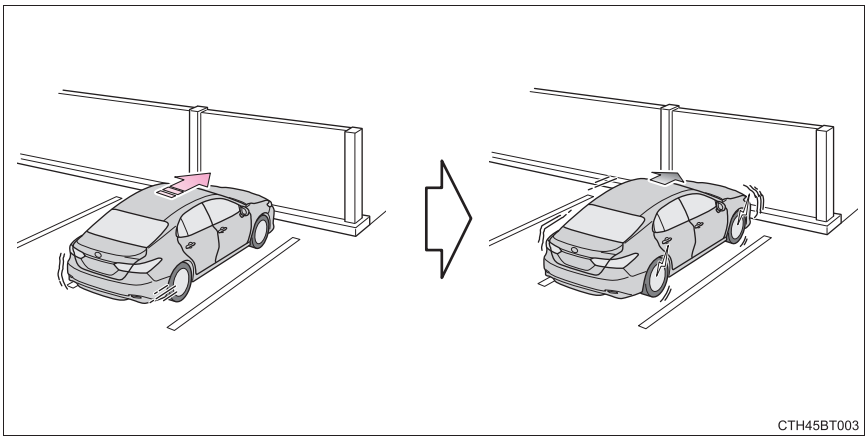
Intelligent Clearance Sonar (ICS)*

If a collision with an object may occur due to the vehicle suddenly moving forward due to an accidental accelerator pedal operation, the vehicle moving the unintended direction due to the wrong shift position being selected, or while parking or traveling at low speeds, the sensors detect objects, such as a wall, in the traveling direction of the vehicle, and the system operates to lessen an impact with an object and reduce the resulting damage.

Examples of system operation

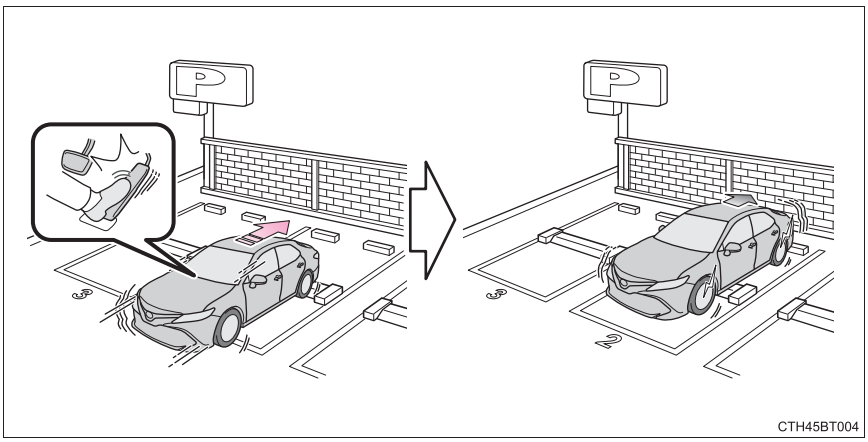
The system will operate in situations such as the following if an object is detected in the traveling direction of the vehicle.

◆ When traveling at a low speed and the brake pedal is not depressed, or is depressed late

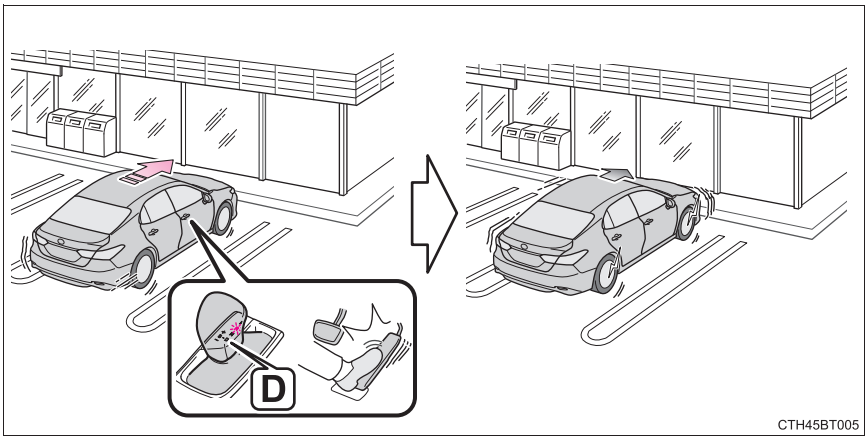


*: If equipped

◆ When the accelerator pedal is depressed excessively



◆ When the vehicle moves in the unintended direction due to the wrong shift position being selected



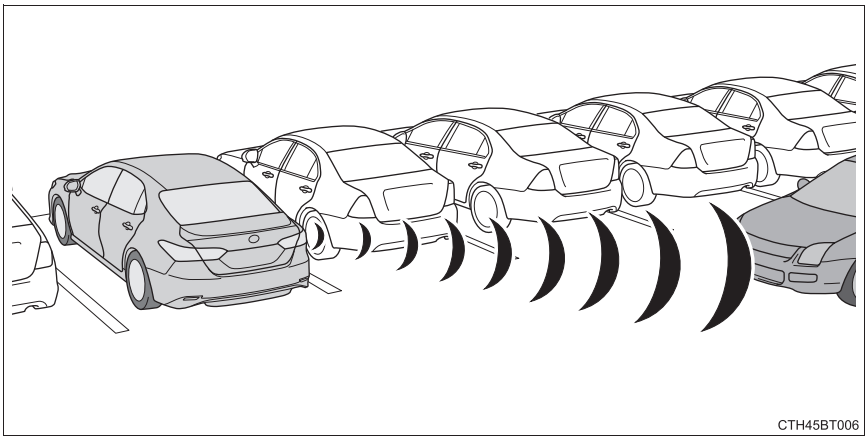
Rear Crossing Traffic Auto Brake function

If a radar sensor detects a vehicle approaching from the right or left at the rear of the vehicle and a collision may occur, this function will perform brake control to reduce the likelihood of an impact with the approaching vehicle.

■ Examples of system operation

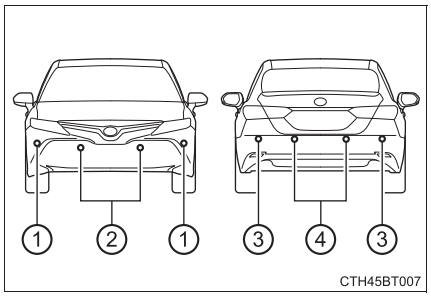
The system will operate in situations such as the following if an object is detected in the traveling direction of the vehicle.

◆ When reversing, a vehicle is approaching and the brake pedal is not depressed, or is depressed late



Types of sensors

① Front corner sensors
② Front center sensors
③ Rear corner sensors
④ Rear center sensors

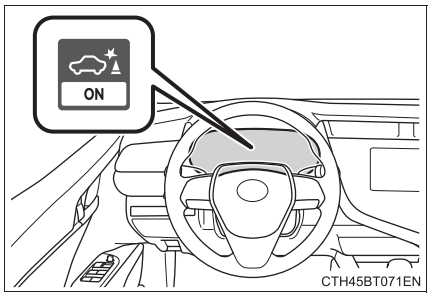


Turning the Intelligent Clearance Sonar system on/off

1 Press ∧ / ∨ of the meter control switches, select ⚙.

2 Press ‹ / › of the meter control switches, select 🚗.

3 Press OK of the meter control switch.



4 Select the “Yes” and push OK .

When the Intelligent Clearance Sonar is disabled, the ICS OFF indicator illuminates.

To re-enable the system when it was disabled, select ⚙ on the multi-information display, select 🚗 and then “On”. If disabled using this method, the system will not be re-enabled by turning the power switch off and then to ON mode.

Displays and buzzers for hybrid system output restriction control and brake control

If the hybrid system output restriction control or brake control operates, a buzzer will sound and a message will be displayed on the multi-information display to alert the driver.

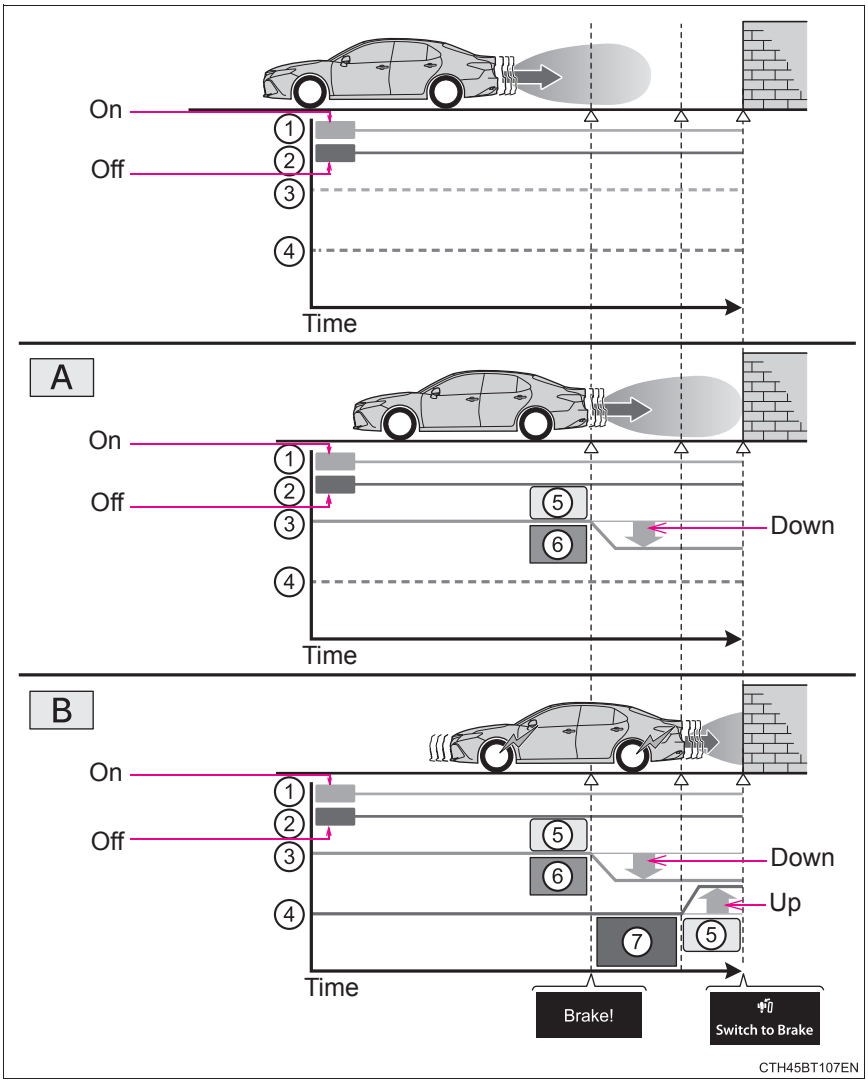
Depending on the situation, hybrid system output restriction control will operate to either limit acceleration or restrict output as much as possible.

Control	Situation	Multi-information display	ICS OFF Indicator	Buzzer
Hybrid system output restriction control is operating (acceleration restriction)	Acceleration greater than a certain amount is not possible.	“Object Detected Ahead Speed Reduced”	Not illuminated	Short beep
Hybrid system output restriction control is operating (output restricted as much as possible)	Stronger-than-normal brake operation is necessary.	“Brake!”		
Brake control is operating	Emergency braking is necessary.			
Vehicle stopped by system operation	The vehicle has been stopped by brake control operation.	“Switch to Brake”	Illuminated	

Intelligent Clearance Sonar function

If the Intelligent Clearance Sonar function detects that a collision with an object is possible, the hybrid system output will be restricted to restrain any increase in the vehicle speed. (Hybrid system output restriction control: See A below.)

Additionally, if the accelerator pedal continues to be depressed, the brakes will be applied automatically to reduce the vehicle speed. (Brake control: See B below.)



① Accelerator pedal
② Brake pedal
③ Hybrid system output
④ Braking force
⑤ Start of control
⑥ High possibility of a collision
⑦ Extremely high possibility of a collision

■ **The Intelligent Clearance Sonar function will operate when**

The function will operate when the ICS OFF indicator is not illuminated or flashing (→P. 385, 393) and all of the following conditions are met:

● Hybrid system output restriction control

- The Intelligent Clearance Sonar system is enabled.
- The vehicle speed is 15 km/h (10 mph) or less.
- There is an object in the traveling direction of the vehicle and 2 to 4 m (6 to 13 ft.) away.
- The system determines that a stronger-than-normal brake operation is necessary to avoid a collision.

● Brake control

- Hybrid system output restriction control is operating.
- The system determines that an emergency brake operation is necessary to avoid a collision.

■ **The Intelligent Clearance Sonar function will stop operating when**

The function will stop operating if any of the following conditions are met:

● Hybrid system output restriction control

- The Intelligent Clearance Sonar system is disabled.
- The collision becomes avoidable with normal brake operation.
- The object is no longer 2 to 4 m (6 to 13 ft.) away in the traveling direction of the vehicle.

● Brake control

- The Intelligent Clearance Sonar system is disabled.
- Approximately 2 seconds elapse after the vehicle is stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.
- The object is no longer 2 to 4 m (6 to 13 ft.) away in the traveling direction of the vehicle.

■ **Detection range of the Intelligent Clearance Sonar function**

The detection range of the Intelligent Clearance Sonar function differs from the detection range of the Toyota parking assist-sensor. (→P. 377)

Therefore, even if the Toyota parking assist-sensor detects an object and provides a warning, the Intelligent Clearance Sonar function may not start operating.

■ **If the Intelligent Clearance Sonar function has operated**

If the vehicle is stopped due to operation of the Intelligent Clearance Sonar function, the Intelligent Clearance Sonar system will be disabled and the ICS OFF indicator will illuminate.

■ **Re-enabling the Intelligent Clearance Sonar system**

To re-enable the Intelligent Clearance Sonar system when it is disabled due to operation of the Intelligent Clearance Sonar function, either enable the system again (→P. 385), or turn the power switch off and then back to ON mode.

Additionally, if the object becomes no longer in the traveling direction of the vehicle or if the traveling direction of the vehicle changes (such as changing from moving forward to backing up, or from backing up to moving forward), the system will be re-enabled automatically.

■ **Objects that the Intelligent Clearance Sonar function may not detect**

The sensors may not be able to detect certain objects, such as the following.

- Cotton cloth, snow, and other materials that are poor reflectors of ultrasonic waves.
  (People may also not be detected depending on the type of clothing they are wearing.)
- Objects which are not perpendicular to the ground, are not perpendicular to the traveling direction of the vehicle, are uneven or are waving.
- Low objects
- Thin objects such as wires, fences, ropes and signposts
- Objects that are extremely close to the bumper

■ **Toyota parking assist-sensor buzzer**

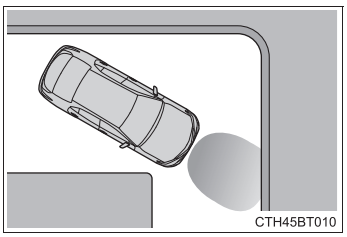
Regardless of whether the Toyota parking assist-sensor system is enabled or not (→P. 374), if the Intelligent Clearance Sonar system is enabled (→P. 385), the front or rear sensors detect an object and brake control is performed, the Toyota parking assist-sensor buzzer will sound to notify the driver of the approximate distance to the object.

■ **Situations in which the Intelligent Clearance Sonar function may operate even if there is no possibility of a collision**

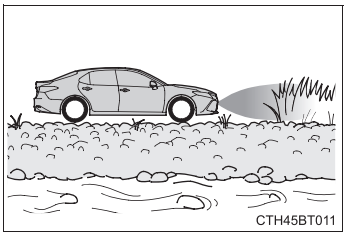
In some situations such as the following, the Intelligent Clearance Sonar function may operate even though there is no possibility of a collision.

● Vehicle surroundings

- When driving on a narrow road



- When driving on a gravel road or in an area with tall grass



- When driving toward a banner, flag, low-hanging branch or boom barrier (such as those used at railroad crossings, toll gates and parking lots).
- When driving on a narrow path surrounded by a structure, such as in a tunnel or on an iron bridge
- When parallel parking
- When there is a rut or hole in the surface of the road
- When driving on a metal cover (grating), such as those used for drainage ditches
- When driving on a steep slope
- If a sensor is hit by a large amount of water, such as when driving on a flooded road

● Weather

- If a sensor is covered with ice, snow, dirt, etc. (when cleared, the system will return to normal)
- If heavy rain or water strikes a sensor
- When driving in inclement weather such as fog, snow or a sandstorm

● Other ultrasonic waves sources

- When vehicle horns, vehicle detectors, motorcycle engines, air brakes of large vehicles, the clearance sonar of other vehicles or other devices which produce ultrasonic waves are near the vehicle
- If a sticker or an electronic component, such as a backlit license plate (especially fluorescent type), fog lights, a fender pole or wireless antenna is installed near a sensor

● Changes in the vehicle posture

- If the vehicle is significantly tilted
- If the front of the vehicle is raised or lowered due to the carried load
- If the orientation of a sensor has been changed due to a collision or other impact

■ **If the Intelligent Clearance Sonar function operates unnecessarily such as at a railroad crossing**

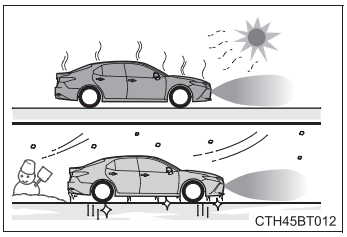
Even in the event that the Intelligent Clearance Sonar function operates unnecessarily, such as at a railroad crossing, brake control will be canceled after approximately 2 seconds, allowing you to proceed forward and leave the area, Brake control can also be canceled by depressing the brake pedal. Depressing the accelerator pedal again will allow you to proceed forward and leave the area.

■ **Situations in which the Intelligent Clearance Sonar Brake function may not operate properly**

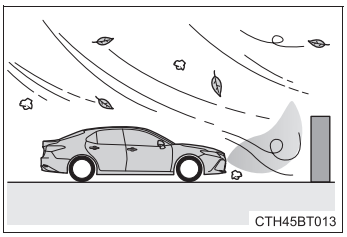
In some situations such as the following, this function may not operate properly.

● Weather

- When a sensor or the area around a sensor is extremely hot or cold


CTH45BT012

- When strong winds are blowing


CTH45BT013

- If a sensor is covered with ice, snow, dirt, etc. (when cleared, the system will return to normal)
- If heavy rain or water strikes a sensor
- When driving in inclement weather such as fog, snow or a sandstorm

● Vehicle surroundings

- When an object that cannot be detected is between the vehicle and a detected object
- If an object such as a vehicle, motorcycle, bicycle or pedestrian cuts in front of the vehicle or runs out from the side of the vehicle.

● Other ultrasonic waves sources

- When vehicle horns, vehicle detectors, motorcycle engines, air brakes of large vehicles, the clearance sonar of other vehicles or other devices which produce ultrasonic waves are near the vehicle
- If a sticker or an electronic component, such as a backlit license plate (especially fluorescent type), fog lights, a fender pole or wireless antenna is installed near a sensor

● Changes in the vehicle posture

- If the vehicle is significantly tilted
- If the front of the vehicle is raised or lowered due to the carried load
- If the orientation of a sensor has been changed due to a collision or other impact

■ **If a 12-volt battery terminal has been disconnected and reconnected**

The system needs to be initialized.

To initialize the system, drive the vehicle straight ahead for 5 seconds or more at a speed of approximately 35 km/h (22 mph) or more.

■ **If "PKSB Unavailable" is displayed on the multi-information display and the ICS OFF indicator is flashing**

● A sensor may be covered with ice, snow, dirt, etc. Remove the ice, snow, dirt, etc., from the sensor to return the system to normal.

Also, due to ice forming on a sensor at low temperatures, a warning message may be displayed or the sensor may not be able to detect an object. Once the ice melts, the system will return to normal.

● If this message continues to be displayed even after cleaning the sensor, or is displayed even though the sensor is clean, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

● Initialization may not have been performed after a 12-volt battery terminal was disconnected and reconnected. Initialize the system. (→P. 393)

WARNING

■ **Limitations of the Intelligent Clearance Sonar system**

Do not overly rely on the system, as doing so may lead to an accident.

- The driver is solely responsible for safe driving. Always drive carefully, taking care to observe your surroundings. The Intelligent Clearance Sonar system is designed to provide support to lessen the severity of collisions. However, it may not operate in some situations.
- The Intelligent Clearance Sonar system is not designed to stop the vehicle completely. Additionally, even if the system has stopped the vehicle, it is necessary to depress the brake pedal immediately as brake control will be canceled after approximately 2 seconds.

■ **To ensure the Intelligent Clearance Sonar system can operate properly**

Observe the following precautions regarding the sensors (→P. 385). Failure to do so may cause a sensor to not operate properly, and may cause an accident.

- Do not modify, disassemble or paint the sensors.
- Do not replace a sensor with a part other than a genuine part.
- Do not subject a sensor or its surrounding area to a strong impact.
- Do not damage the sensors, and always keep them clean.

Observe the following precautions regarding the radar sensors (→P. 366). Failure to do so may cause a radar sensor to not operate properly, and may cause an accident.

- Do not modify, disassemble or paint the sensors.
- Do not replace a radar sensor with a part other than a genuine part.
- Do not subject a radar sensor or its surrounding area to a strong impact.
- Do not damage the radar sensors, and always keep the radar sensors and their surrounding area on the bumper clean.

■ **Handling the suspension**

Do not modify the suspension, as changes to the height or inclination of the vehicle may prevent the sensors from detecting objects correctly or cause the system to not operate or operate unnecessarily.

NOTICE

■ **To prevent the system from malfunctioning**

- If the area around a sensor is subjected to an impact, the system may not operate properly due to the sensor being misaligned. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- When using a high pressure washer to wash the vehicle, do not spray the sensors directly, as doing so may cause a sensor to malfunction.
- When using steam to clean the vehicle, do not direct steam too close to the sensors as doing so may cause a sensor to malfunction.

■ **To prevent a radar sensor from malfunctioning**

- If the area around a radar sensor is subjected to an impact, the system may not operate properly due to a sensor malfunction. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Observe the radar sensor handling precautions. (→P. 366)

■ **To prevent unnecessary operation of the Intelligent Clearance Sonar system**

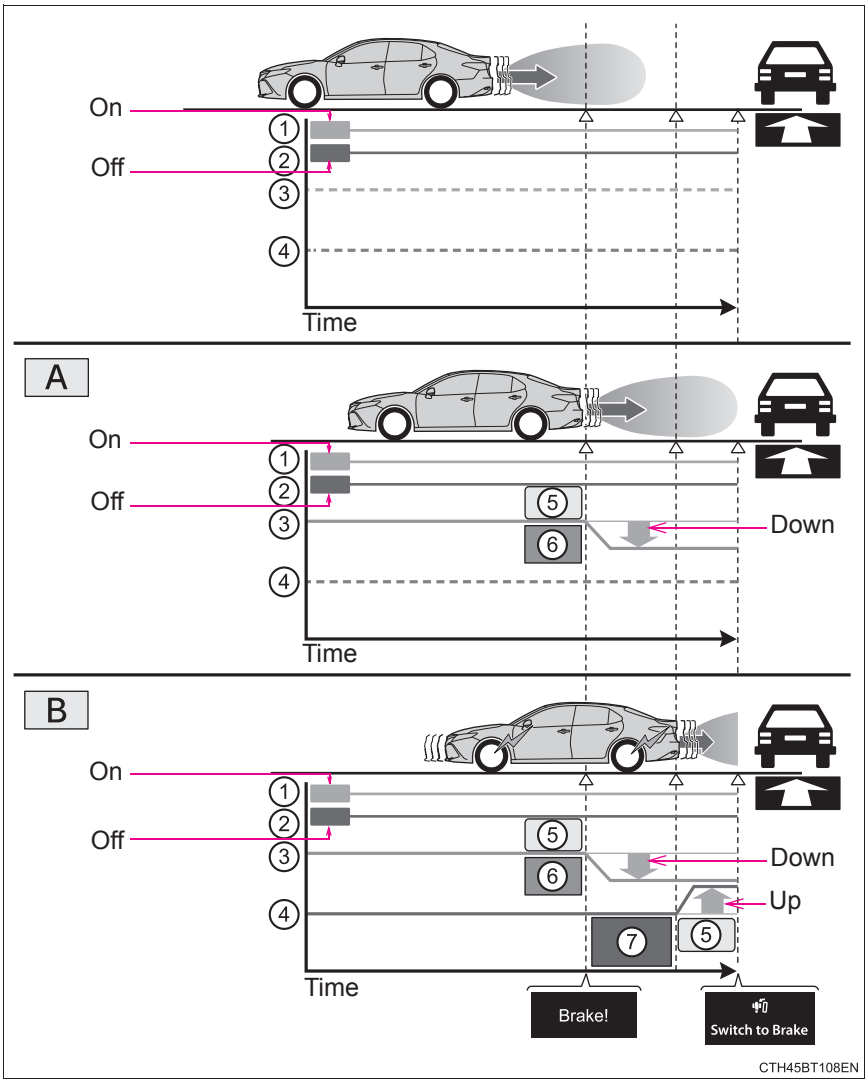
In the following situations, disable the Intelligent Clearance Sonar system as the system may operate even though there is no possibility of a collision.

- When inspecting the vehicle using a chassis roller, chassis dynamo or free roller
- When loading the vehicle onto a boat, truck or other transport vessel
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load
- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow
- When using an automatic car wash

Rear Crossing Traffic Auto Brake function

If the Rear Crossing Traffic Auto Brake function detects that a collision with an approaching vehicle is possible, the hybrid system output will be restricted to restrain any increase in vehicle speed. (Hybrid system output restriction control: See A below.)

Additionally, if the accelerator pedal continues to be depressed, the brakes will be applied automatically to reduce the vehicle speed. (Brake control: See B below.)



① Accelerator pedal
② Brake pedal
③ Hybrid system output
④ Braking force
⑤ Start of control
⑥ High possibility of a collision
⑦ Extremely high possibility of a collision

■ **The Rear Crossing Traffic Auto Brake function will operate when**

The function will operate when the ICS OFF indicator is not illuminated or flashing (→P. 385, 393) and all of the following conditions are met:

● Hybrid system output restriction control

- The Intelligent Clearance Sonar with Rear Crossing Traffic Auto Brake is enabled.
- The vehicle speed is 15 km/h (10 mph) or less.
- The shift lever is in R.
- The system determines that a stronger than normal brake operation is necessary to avoid a collision with an approaching vehicle.

● Brake control

- Hybrid system output restriction control is operating.
- The system determines that an emergency brake operation is necessary to avoid a collision with an approaching vehicle.

■ **The Rear Crossing Traffic Auto Brake function will stop operating when**

The function will stop operating if any of the following conditions are met:

● Hybrid system output restriction control

- The Intelligent Clearance Sonar with Rear Crossing Traffic Auto Brake is disabled.
- The collision becomes avoidable with normal brake operation.
- A vehicle is no longer approaching from the right or left at the rear of the vehicle.

● Brake control

- The Intelligent Clearance Sonar with Rear Crossing Traffic Auto Brake is disabled.
- Approximately 2 seconds elapse after the vehicle is stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.
- A vehicle is no longer approaching from the right or left at the rear of the vehicle.

■ **Detection area of the Rear Crossing Traffic Auto Brake function**

The detection area of the Rear Crossing Traffic Auto Brake function differs from the detection area of the RCTA function (→P. 372).

Therefore, even if the RCTA function detects a vehicle and provides an alert, the Rear Crossing Traffic Auto Brake function may not start operating.

■ **If the Rear Crossing Traffic Auto Brake function has operated**

If the vehicle is stopped due to operation of the Rear Crossing Traffic Auto Brake function, the Rear Crossing Traffic Auto Brake function will be disabled and the ICS OFF indicator will illuminate.

■ **Re-enabling the Rear Crossing Traffic Auto Brake function**

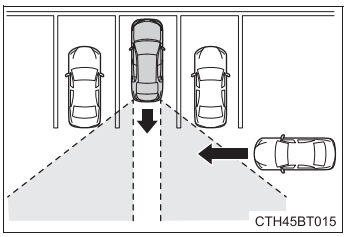
To re-enable the Rear Crossing Traffic Auto Brake function when it is disabled while it is operating, either enable the Intelligent Clearance Sonar system again (→P. 385), or turn the power switch off and then back to ON mode. When the function is disabled, the ICS OFF indicator will illuminate. (→P. 133)

If there is no longer a vehicle approaching from the right or left at the rear of the vehicle when backing up, or if the traveling direction of the vehicle changes (such as changing from backing up to moving forward), the system will be re-enabled automatically. When the function is re-enabled, the ICS OFF indicator will turn off.

■ **Conditions under which the Rear Crossing Traffic Auto Brake function will not detect a vehicle**

The Rear Crossing Traffic Auto Brake function is not designed to detect the following types of vehicles and/or objects:

- Vehicles approaching from directly behind
- Vehicles backing up in a parking space next to your vehicle
- Vehicles that the sensors cannot detect due to obstructions
- Vehicles which suddenly accelerate or decelerate near your vehicle



- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

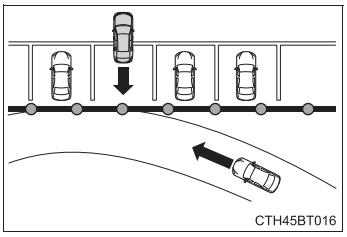
■ **RCTA function buzzer**

Regardless of whether the RCTA function is enabled or not (→P. 357), if the Rear Crossing Traffic Auto Brake function is enabled and brake control is performed, a buzzer will sound to notify the driver.

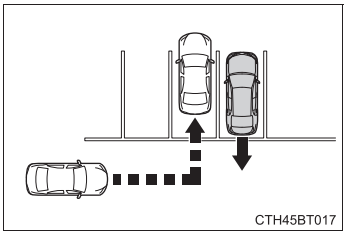
■ **Situations in which the system may operate even though there is no possibility of a collision**

In some situations such as the following, the Rear Crossing Traffic Auto Brake function may operate even though there is no possibility of a collision.

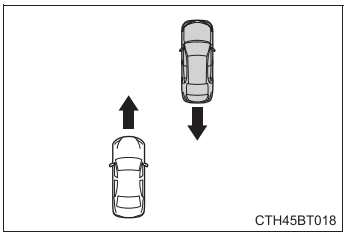
- When the parking space faces a street and vehicles are being driven on the street



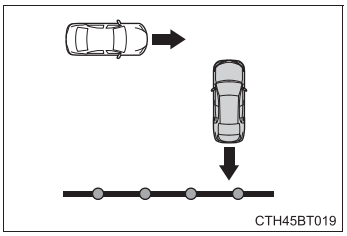
- When a detected vehicle turns while approaching the vehicle



- When a vehicle passes by the side of your vehicle



- When the distance between your vehicle and metal objects, such as a guardrail, wall, sign, or parked vehicle, which may reflect electrical waves toward the rear of the vehicle, is short



- When water is splashed or sprayed toward the rear bumper, such as from a sprinkler

■ **Situations in which the Rear Crossing Traffic Auto Brake function may not operate properly**

In some situations such as the following, this function may not operate properly.

● Objects and vehicles which the radar sensors are not designed to detect

- Stationary objects
- Vehicles which are moving away from your vehicle
- Pedestrians, motorcycles, bicycles, etc.*
- Objects which are extremely close to a radar sensor
- Vehicles which are approaching from the right or left at the rear of the vehicle at a traveling speed of less than approximately 8 km/h (5 mph)
- Vehicles which are approaching from the right or left at the rear of the vehicle at a traveling speed of more than approximately 24 km/h (15 mph)

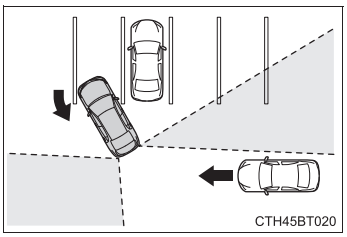
*: Depending on conditions, detection of a vehicle and/or object may occur.

● Situations in which the radar sensors may not be able to detect an object

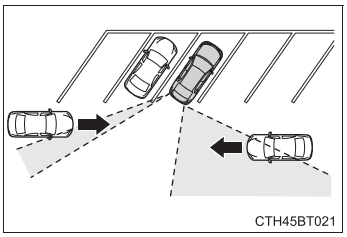
- When a sensor or the area around a sensor is extremely hot or cold
- If the rear bumper is covered with ice, snow, dirt, etc.
- If heavy rain or water strikes the vehicle
- When the detection area of a radar sensor is obstructed by an adjacent vehicle
- If the vehicle is significantly tilted
- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load
- If a sticker or an electronic component, such as a backlit license plate (especially fluorescent type), fog lights, a fender pole or wireless antenna is installed near a radar sensor
- If the orientation of a radar sensor has been changed due to a collision or other impact or removal and installation
- When multiple vehicles are approaching with only a small gap between each vehicle
- When a vehicle is approaching at high speed

● Situations in which the radar sensor may not detect a vehicle

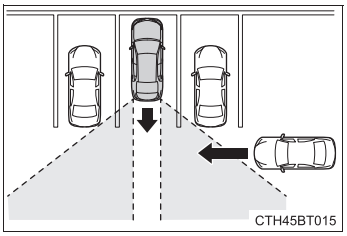
- When a vehicle approaches from the right or left at the rear of the vehicle while you are turning while backing up
- When turning while backing up



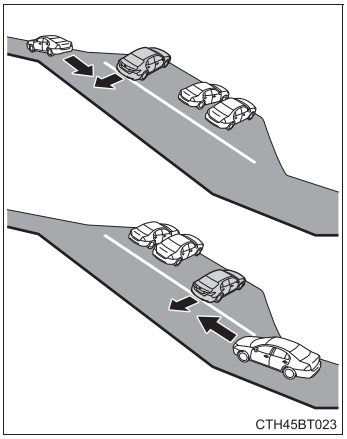
- When backing out of a shallow angle parking spot



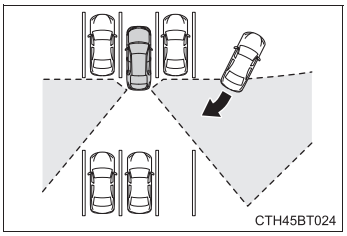
- Vehicles that the sensors cannot detect due to obstructions



- When backing up on a slope with a sharp change in grade



- When a vehicle turns into the detection area

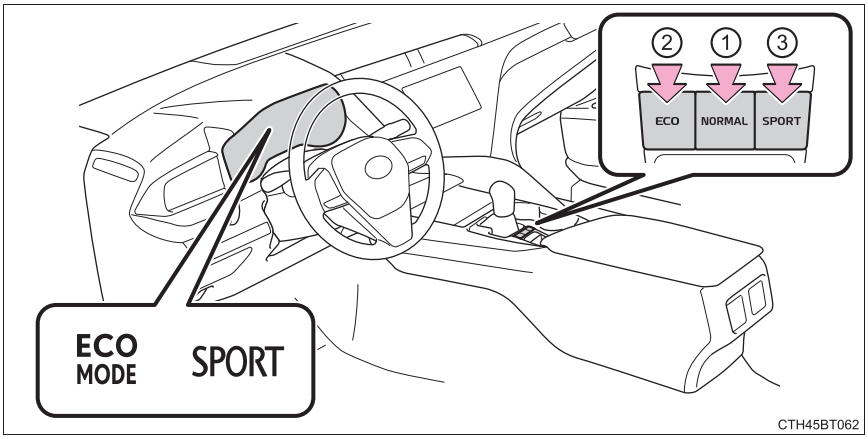


■ **Handling the radar sensors**

→P. 366

Driving mode select switches

The driving modes can be selected to suit driving condition.



① Normal mode

Use for normal driving.

While in Eco drive mode or sport mode, press the switch to change the driving mode to normal mode.

② Eco drive mode

Use Eco drive mode to help achieve low fuel consumption during trips that involve frequent accelerating.

When the “ECO” switch is pressed, the “ECO MODE” indicator comes on in the instrument cluster.

③ Sport mode

Use sport mode when increased acceleration response and precise handling is desired, for example, when driving on mountain roads.

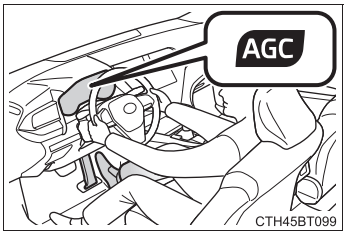
When the “SPORT” switch is pressed, the “SPORT” indicator comes on in the instrument cluster.

■ **Operation of the air conditioning system in Eco drive mode**

Eco drive mode controls the heating/cooling operations and fan speed of the air conditioning system to enhance fuel efficiency (→P. 414). To improve air conditioning performance, adjust the fan speed or turn off Eco drive mode.

■ **Auto Glide Control**

● While driving in Eco drive mode with D selected, releasing the accelerator pedal will activate Auto Glide Control under certain conditions. (Auto Glide Control may activate before the accelerator pedal is fully released.)
When Auto Glide Control operates, the electric motor (traction motor) will be controlled, reducing the deceleration force and allowing the vehicle to coast, enhancing fuel economy.



When Auto Glide Control operates, the AGC indicator light will illuminate.

● Auto Glide Control may not operate in the following situations:

- When the brake pedal is depressed
- When a shift position other than D is selected
- When the vehicle speed is approximately 15 km/h (10 mph) or lower
- When the vehicle is accelerating on a downward slope
- When the PCS (Pre-Collision System) is operating
- When the dynamic radar cruise control with full-speed range is operating
- When the Intelligent Clearance Sonar system is operating (if equipped)
- When the TRC or VSC system is operating
- When the TRC or VSC system is disabled by pressing the VSC OFF switch

■ **Sport mode automatic deactivation**

Sport mode is automatically deactivated if the power switch is turned off after driving in sport mode.

Hybrid vehicle driving tips

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

◆ Using Eco drive mode

When using Eco drive mode, the torque corresponding to the accelerator pedal depression amount can be generated more smoothly than it is in normal conditions. In addition, the operation of the air conditioning system (heating/cooling) will be minimized, improving the fuel economy. (→P. 414)

◆ Use of Hybrid System Indicator

The Eco-friendly driving is possible by keeping the needle of Hybrid System Indicator within Eco area. (→P. 138)

◆ Shift lever operation

Shift the shift lever to D when stopped at a traffic light, or driving in heavy traffic etc. Shift the shift lever to P when parking. When using the N, there is no positive effect on fuel consumption. In the N, the gasoline engine operates but electricity cannot be generated. Also, when using the air conditioning system, etc., the hybrid battery (traction battery) power is consumed.

◆ Accelerator pedal/brake pedal operation

- Drive your vehicle smoothly. Avoid abrupt acceleration and deceleration. Gradual acceleration and deceleration will make more effective use of the electric motor (traction motor) without having to use gasoline engine power.
- Avoid repeated acceleration. Repeated acceleration consumes hybrid battery (traction battery) power, resulting in poor fuel consumption. Battery power can be restored by driving with the accelerator pedal slightly released.

When braking

Make sure to operate the brakes gently and in a timely manner. A greater amount of electrical energy can be regenerated when slowing down.

Delays

Repeated acceleration and deceleration, as well as long waits at traffic lights, will lead to bad fuel economy. Check traffic reports before leaving and avoid delays as much as possible. When driving in a traffic jam, gently release the brake pedal to allow the vehicle to move forward slightly while avoiding overuse of the accelerator pedal. Doing so can help control excessive gasoline consumption.

Highway driving

Control and maintain the vehicle at a constant speed. Before stopping at a toll booth or similar, allow plenty of time to release the accelerator and gently apply the brakes. A greater amount of electrical energy can be regenerated when slowing down.

Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive gasoline consumption.
In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.
In winter: Because the gasoline engine will not automatically cut out until it and the interior of the vehicle are warm, it will consume fuel. Also, fuel consumption can be improved by avoiding overuse of the heater.

Checking tire inflation pressure

Make sure to check the tire inflation pressure frequently. Improper tire inflation pressure can cause poor fuel economy.
Also, as snow tires can cause large amounts of friction, their use on dry roads can lead to poor fuel economy. Use tires that are appropriate for the season.

◆ Luggage

Carrying heavy luggage will lead to poor fuel economy. Avoid carrying unnecessary luggage. Installing a large roof rack will also cause poor fuel economy.

◆ Warming up before driving

Since the gasoline engine starts up and cuts out automatically when cold, warming up the engine is unnecessary. Moreover, frequently driving short distances will cause the engine to repeatedly warm up, which can lead to excess fuel consumption.

Winter driving tips

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

Preparation for winter

- Use fluids that are appropriate to the prevailing outside temperatures.
  - Engine oil
  - Engine/power control unit coolant
  - Washer fluid
- Have a service technician inspect the condition of the 12-volt battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the front tires.*

  Ensure that all tires are the same size and brand, and that chains match the size of the tires.

*: Tire chains cannot be mounted on vehicles with 18-inch tires.

Before driving the vehicle

Perform the following according to the driving conditions:

- Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.
- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- Check for and remove any excess ice or snow that may have accumulated on the exterior lights, vehicle's roof, chassis, around the tires or on the brakes.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

When driving the vehicle

Accelerate the vehicle slowly, keep a safe distance between you and the vehicle ahead, and drive at a reduced speed suitable to road conditions.

When parking the vehicle

- Park the vehicle and move the shift lever to P without setting the parking brake. The parking brake may freeze up, preventing it from being released. If the vehicle is parked without setting the parking brake, make sure to block the wheels.
  Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an accident.
- If the vehicle is parked without setting the parking brake, confirm that the shift lever cannot be moved out of P*.

*: The shift lever will be locked if it is attempted to be shifted from P to any other position without depressing the brake pedal. If the shift lever can be shifted from P, there may be a problem with the shift lock system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

Selecting tire chains

▶ Vehicles with 17-inch tires

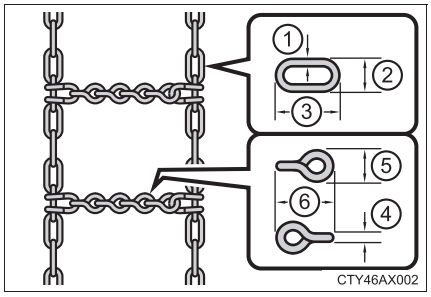
Use the correct tire chain size when mounting the tire chains.
Chain size is regulated for each tire size.

Side chain:

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

Cross chain:

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



▶ Vehicles with 18-inch tires

Tire chains cannot be mounted.

Snow tires should be used instead.

Regulations on the use of tire chains

Regulations regarding the use of tire chains vary depending on location and type of road. Always check local regulations before installing chains.

Tire chain installation

Observe the following precautions when installing and removing chains:

- Install and remove tire chains in a safe location.
- Install tire chains on the front tires. Do not install tire chains on the rear tires.
- Install tire chains on front tires as tightly as possible. Retighten chains after driving 0.5 — 1.0 km (1/4 — 1/2 mile).
- Install tire chains following the instructions provided with the tire chains.

WARNING

Driving with snow tires

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

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

Driving with tire chains (vehicles with 17-inch tires)

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

- Do not drive in excess of the speed limit specified for the tire chains being used, or 50 km/h (30 mph), whichever is lower.
- Avoid driving on bumpy road surfaces or over potholes.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.
- Do not use LDA (Lane Departure Alert with steering control) system.

NOTICE

■ **Repairing or replacing snow tires**

Request repairs or replacement of snow tires from any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or legitimate tire retailers.
This is because the removal and attachment of snow tires affects the operation of the tire pressure warning valve and transmitters.

■ **Fitting tire chains (vehicles with 17-inch tires)**

The tire pressure warning valve and transmitters may not function correctly when tire chains are fitted.

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Automatic air conditioning system

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

The illustrations below are for left-hand drive vehicles.

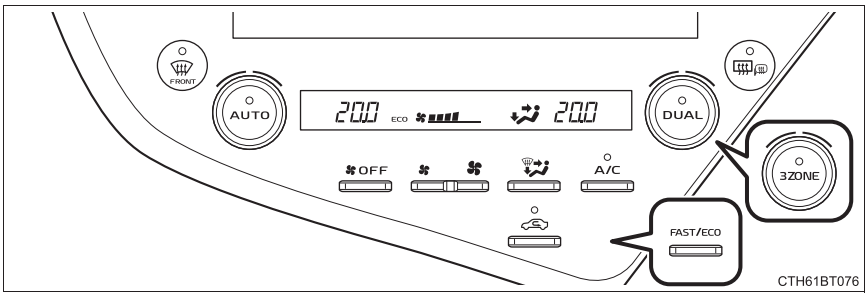
The button positions will differ for right-hand drive vehicles.

Also, the display and button positions will differ depending on the type of the system.

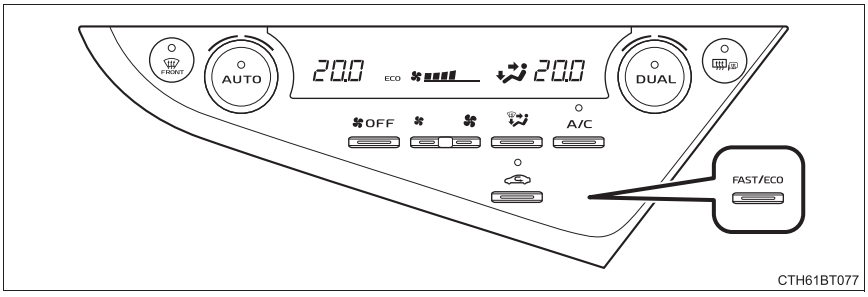
Air conditioning controls

■ Front control panel

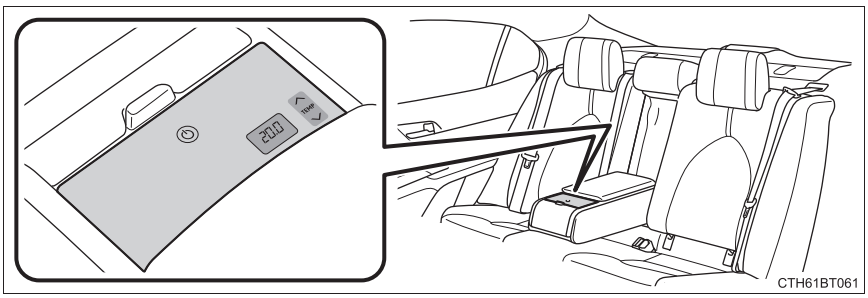
▶ Type A



▶ Type B



■ **Rear control panel (if equipped)**



■ **Adjusting the temperature setting**

▶ Front control panel

To adjust the temperature setting, turn AUTO clockwise to increase the temperature and counterclockwise to decrease the temperature.

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

▶ Rear control panel (if equipped)

To adjust the temperature setting, perform the following procedure:

1 Fold down the rear armrest (→P. 447)

2 Press ⏻ to turn the rear control panel on.

3 Touch ∧ of TEMP to increase the temperature and ∨ to decrease the temperature.

The rear control panel will turn off if it is not touched for approximately 10 seconds.

■ **Fan speed setting**

To adjust the fan speed, press to increase the fan speed and to decrease the fan speed.

Press OFF to turn the fan off.

■ **Change the airflow mode**

To change the airflow mode, press .

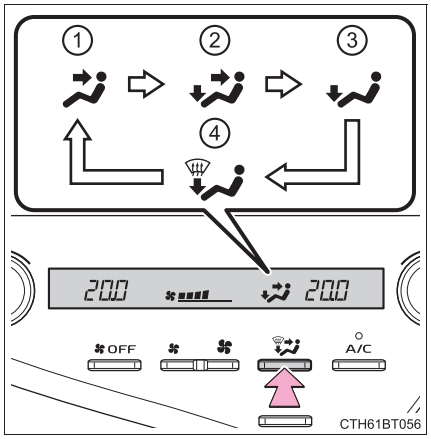
The air outlets used are switched each time the button is pressed.

① Air flows to the upper body.

② Air flows to the upper body and feet.

③ Air flows to the feet.

④ Air flows to the feet and the windshield defogger operates.



Using automatic mode

1 Press AUTO.

The dehumidification function begins to operate. Air outlets and fan speed are automatically adjusted according to the temperature setting.

2 Adjust the temperature setting.

3 To stop the operation, press OFF.

■ **Automatic mode indicator**

If the fan speed setting or air flow modes are operated, the automatic mode indicator goes off. However, automatic mode for functions other than that operated is maintained.

■ **Adjusting the temperature for driver and passenger seats separately (vehicles with dual control mode)**

To turn on the dual control mode, perform any of the following procedures:

● Press 

.

● Adjust the passenger's side temperature setting.

The indicator comes on when the dual control mode is on.

■ **Adjusting the temperature for driver, front passenger and rear seats separately (vehicles with 3 zone control mode)**

To turn on the 3 zone control mode, perform any of the following procedures:

● Press 

.

● Adjust the passenger's side temperature setting.
● Adjust the rear temperature setting.

The indicator comes on when the 3 zone control mode is on.

Other functions

■ Switching between outside air and recirculated air modes

Press  .

The mode switches between outside air mode (indicator off) and recirculated air mode (indicator on) each time  is pressed.

■ Defogging the windshield

Defoggers are used to defog the windshield and front side windows.

Press  .

The dehumidification function operates and fan speed increases.
Set the outside/recirculated air mode button to the outside air mode if the recirculated air mode is used. (It may switch automatically.)
To defog the windshield and the side windows early, turn the air flow and temperature up.
To return to the previous mode, press  again when the windshield is defogged.

■ Defogging the rear window and outside rear view mirrors

Defoggers are used to defog the rear window, and to remove raindrops, dew and frost from the outside rear view mirrors.

Press  .

The defoggers will automatically turn off after a period of time.

■ Blower customization (vehicles with “FAST/ECO” switch)

Fan speed setting during the automatic mode operation can be customized.

To change the fan speed setting mode, press  .

Each time  is pressed, the fan speed setting mode changes as follows.

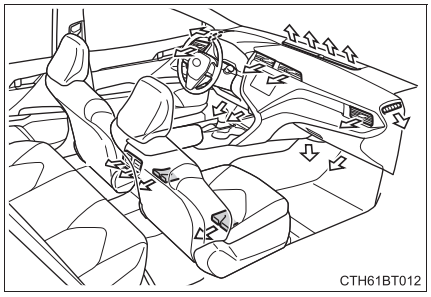
Normal → “ECO”* → “FAST”* → Normal

*: Displayed on the front control panel when selected

Air outlets

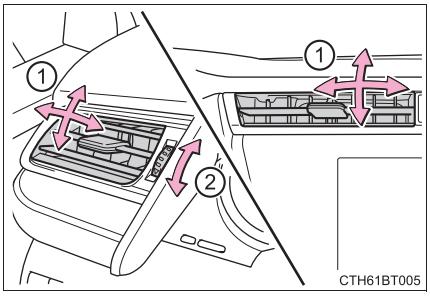
■ Location of air outlets

The air outlets and air volume change according to the selected airflow mode.

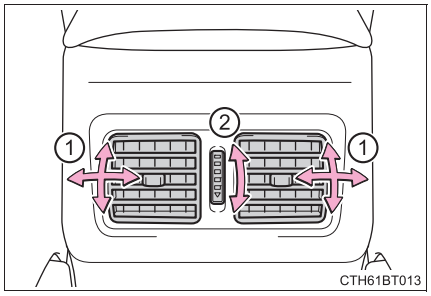


■ Adjusting the position of and opening and closing the air outlets

▶ Front



▶ Rear



① Direct air flow to the left or right, up or down.

② Turn the knob to open or close the vent.

■ **Using automatic mode**

Fan speed is adjusted automatically according to the temperature setting and the ambient conditions.

Therefore, the fan may stop for a while until warm or cool air is ready to flow immediately after  is pressed.

■ **Fogging up of the windows**

- The windows will easily fog up when the humidity in the vehicle is high. Turning  on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn  off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

■ **Outside/recirculated air mode**

- When driving on dusty roads such as tunnels or in heavy traffic, set the outside/recirculated air mode button to the recirculated air mode. This is effective in preventing outside air from entering the vehicle interior. During cooling operation, setting the recirculated air mode will also cool the vehicle interior effectively.
- Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.

■ **When the outside temperature is low**

The dehumidification function may not operate even when  is pressed.

■ **nanoe™ *1**

This vehicle incorporates a biocidal product.
Ionised air generated by a device incorporated in the vehicle purifies the air in the cabin by suppressing bacteria.
Active substance: Free radicals generated in situ from ambient air or water
This helps to fill the cabin with refreshing air by emitting slightly acidic nanoe™ ions coated with water particles through the driver's side vent. These particles are gentle to the skin and hair.*2

- When nanoe™ is operated in the following conditions, system performance will be maximized. If the following conditions are not met, nanoe™ may not operate at full capacity.
  - The , or air outlets are being used.
  - The driver's side vent is open.
- When nanoe™ is generated, a small amount of ozone is emitted and may be faintly smelled in some situations. However, this is approximately the same as the amount that already exists in nature, such as in forests, and it has no affect on the human body.
- A slight noise may be heard during operation. This is not a malfunction.

*1: nanoe™ and the nanoe™ mark are trademarks of Panasonic Corporation.

*2: According to temperature and humidity conditions, fan speed and direction of the air flow, nanoe™ may not operate at full capacity.

■ **Operation of the air conditioning system in Eco drive mode**

- In the Eco drive mode, "ECO" is displayed on the air conditioning screen and the air conditioning system is controlled as follows to prioritize fuel efficiency:
  - Engine speed and compressor operation controlled to restrict heating/cooling capacity
  - Fan speed restricted when automatic mode is selected
- To improve air conditioning performance, perform the following operations:
  - Adjust the fan speed
  - Turn off Eco drive mode
- Vehicles with a blower customization function: Even when the drive mode is set to Eco drive mode, the air conditioning eco mode can be turned off by pressing the FAST/ECO .

■ **Ventilation and air conditioning odors**

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:
  - It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.
  - The start timing of the blower may be delayed for a short period of time immediately after the air conditioning system is started in automatic mode.

■ **Air conditioning filter**

→P. 499

■ **Changing the settings of the rear control panel (if equipped)**

The following settings can be changed:

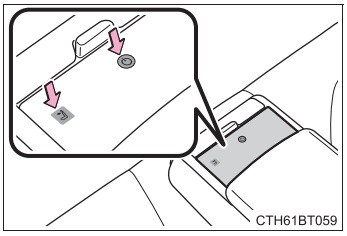
- Reaction time from when a button on the rear control panel is touched
- Switch operation sound (on/off) when a button on the rear control panel is touched

1 Park the vehicle in a safe place and turn the power switch off.

2 With the brake pedal released, press the power switch once to change it to ACCESSORY mode. (→P. 253)

When the power switch is in ON mode, the settings cannot be changed.

3 While pressing , touch the left side button for approximately 10 seconds.

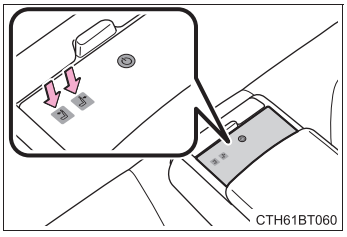


4 After a buzzer sounds, release the button.

5 Select the desired customization item.

To change the reaction time: Touch the left side button.

To enable/disable the switch operation sound: Touch the left side button.



6 According to the following table, touch the appropriate button to change the desired setting and check that the button flashes the correct number of times.

Function	Button to be touched (right side)	Setting	Button display
Reaction time	button	Longest	Flashes 3 times
		Long	Flashes 4 times
	Default setting	Standard	Flashes 5 times
	button	Short	Flashes 6 times
		Shortest	Flashes 7 times
Switch operation sound	button	On	Flashes once
	button	Off	Flashes twice

7 To complete customization, perform one of the following:

- Press .
- Press the power switch.
- Wait until the rear control panel turns off automatically (do not touch the panel for 10 seconds or more).

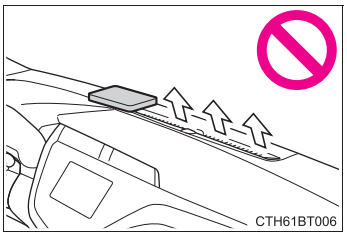
■ Customization

Some functions can be customized. (→P. 614)

WARNING

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

- Do not use  during cool air operation in extremely humid weather.
  The difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.
- Do not place anything on the instrument panel which may cover the air outlets. Otherwise, air flow may be obstructed, preventing the windshield defoggers from defogging.



■ **To prevent burns**

Do not touch the rear view mirror surfaces when the outside rear view mirror defoggers are on.

■ **nanoe™**

Do not disassemble or repair the system because it contains high voltage parts. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer if the system needs repair.

NOTICE

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

Do not leave the air conditioning system on longer than necessary when the hybrid system is off.

■ **To prevent damage to nanoe™**

Do not insert anything into the driver's side vent, attach anything to it, or use sprays around the driver's side vent. These things may cause the system not to work properly.

Seat heaters*

WARNING

- Care should be taken to prevent injury if anyone in the following categories comes in contact with the seats when the heater is on:
  - Babies, small children, the elderly, the sick and the physically challenged
  - Persons with sensitive skin
  - Persons who are fatigued
  - Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)
- Observe the following precautions to prevent the minor burns or overheating
  - Do not cover the seat with a blanket or cushion when using the seat heater.
  - Do not use seat heater more than necessary.

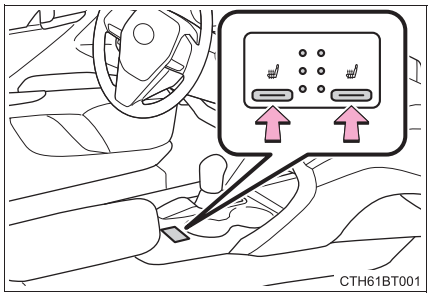
NOTICE

- Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.
- To prevent 12-volt battery discharge, do not use the functions when the hybrid system is off.

Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit) → Mid (2 segments lit) → Lo (1 segment lit) → Off

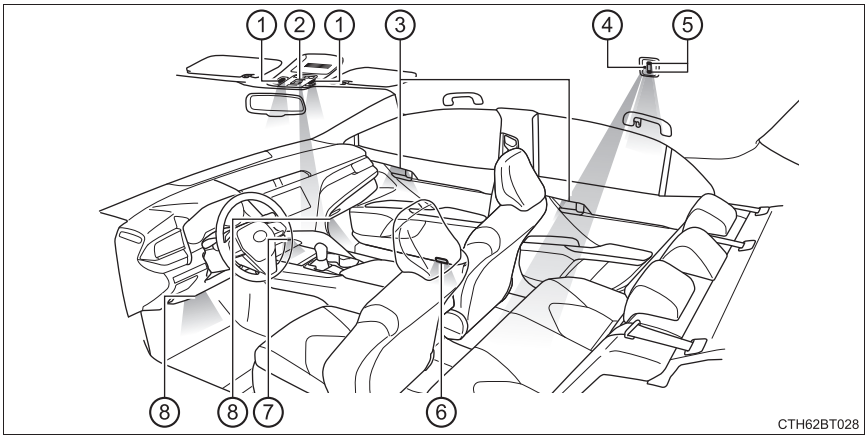
The level indicator (amber) lights up during operation.



The seat heaters can be used when the power switch is in ON mode.

*: If equipped

Interior lights list



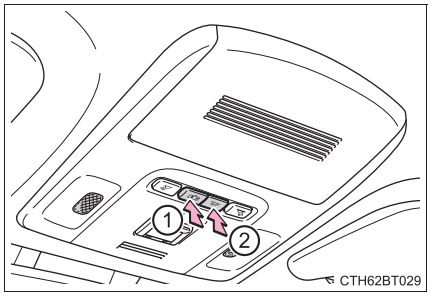
① Front interior/personal lights (→P. 427)
② Shift lever light
③ Inside door handle lights
④ Rear seat center armrest light (→P. 428)
⑤ Rear personal lights (→P. 427)
⑥ Door courtesy lights
⑦ Front center console light
⑧ Footwell lights

Interior lights

The rear personal lights turn on/off together with the front interior light.

① Turns the lights on/off linked to door positions

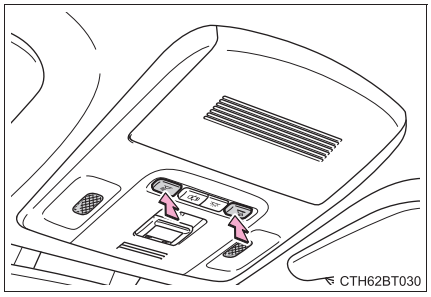
② Turns the lights on/off



Personal lights

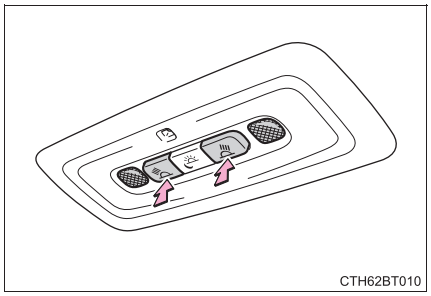
■ Front

Turns the lights on/off



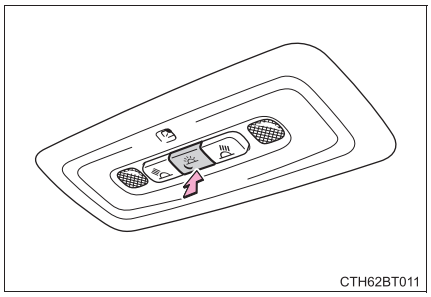
■ Rear

Turns the lights on/off



Rear seat center armrest light

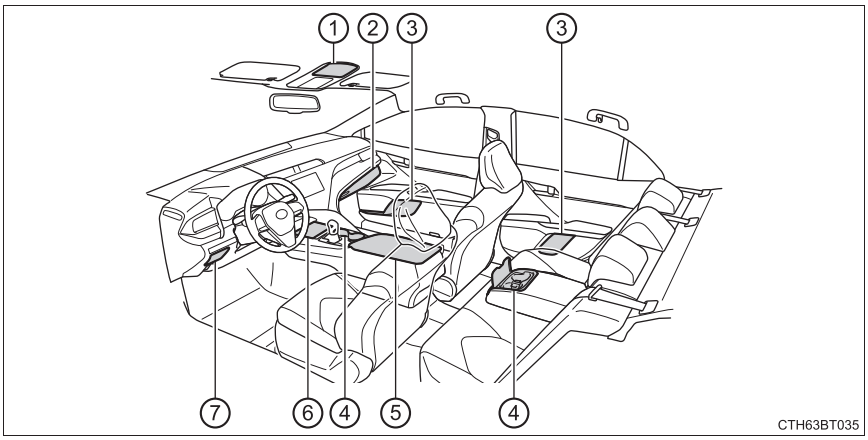
Turns the light on/off (when the tail lights are on)



- Illuminated entry system:

  The lights automatically turn on/off according to the power switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are open/closed.
- If the interior lights remain on when the power switch is turned off, the lights will go off automatically after 20 minutes.
- Some functions can be customized. (→P. 614)

List of storage features



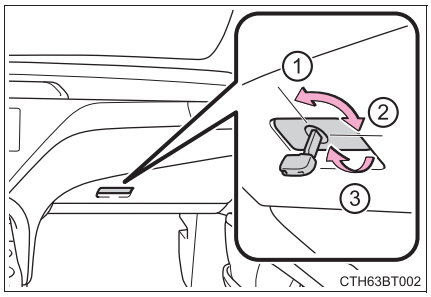
1. Auxiliary box (if equipped) (→P. 434)
2. Glove box (→P. 430)
3. Bottle holders/door pockets (→P. 431)
4. Cup holders (→P. 432)
5. Console box (→P. 430)
6. Auxiliary box/open tray (→P. 434, 435)
7. Coin holder (→P. 430)

WARNING

- Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:
  - Glasses may be deformed by heat or cracked if they come into contact with other stored items.
  - Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.
- When driving or when the storage compartments are not in use, keep the lids closed.
  In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by an open lid or the items stored inside.

Glove box

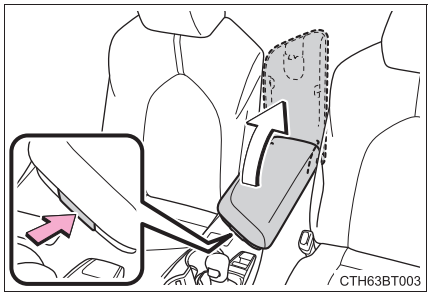
① Unlock with the mechanical key
② Lock with the mechanical key
③ Open (pull lever)



The glove box light turns on when the tail lights are on.

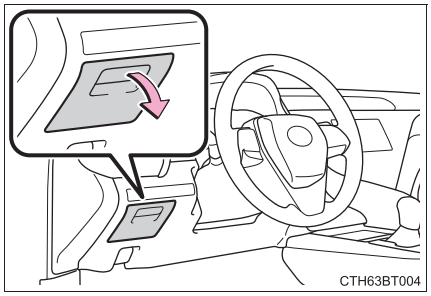
Console box

Push the knob.



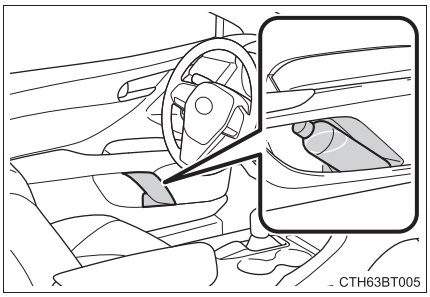
Coin holder

Pull the lever to open.

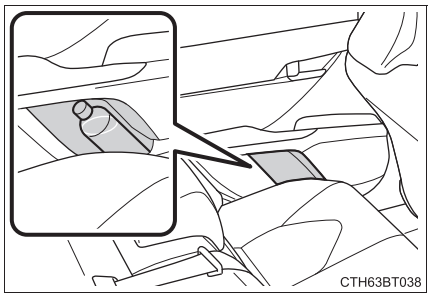


Bottle holders

▶ Front



▶ Rear



- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.

WARNING

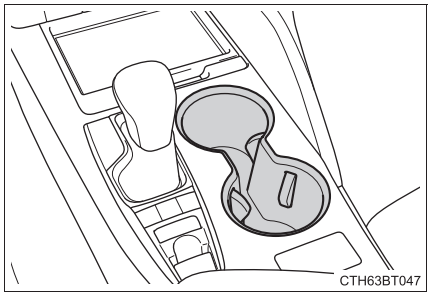
Do not place anything other than a bottle in the bottle holders.
Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury.

NOTICE

Put the cap on before stowing a bottle. Do not place open bottles in the bottle holders, or glass or paper cups containing liquid. The contents may spill and glass cups may break.

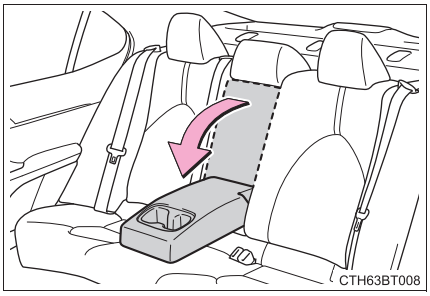
Cup holders

Front



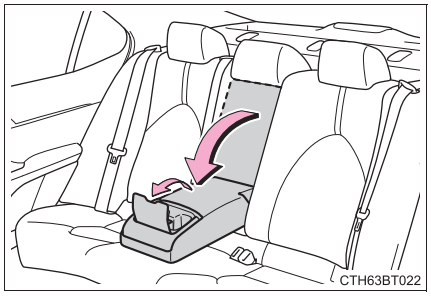
Rear

▶ Type A



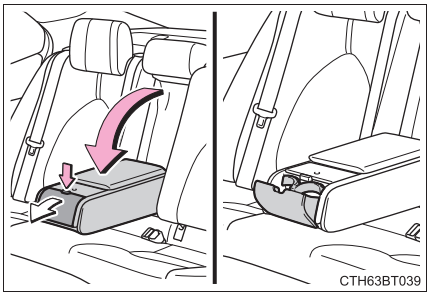
Pull the armrest down.

▶ Type B



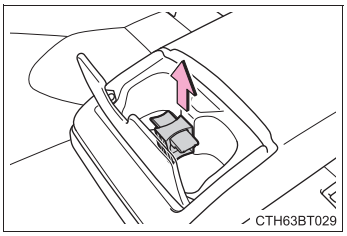
Pull the armrest down and lift the lid.

▶ Type C



Pull the armrest down and press the button.

The insert for the rear cup holders can be removed for cleaning. (type B)



WARNING

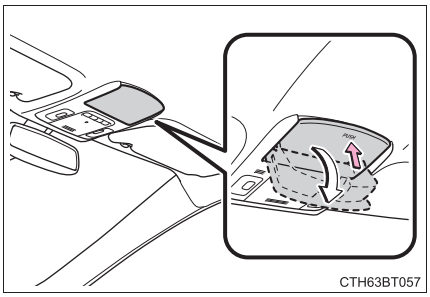
- Do not place anything other than cups or aluminum cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking, causing injury.
- To prevent burns, cover hot drinks when placed in the cup holders.

NOTICE

Rear cup holders (type C): To prevent damage to the rear cup holder, stow the cup holder before stowing the armrest.

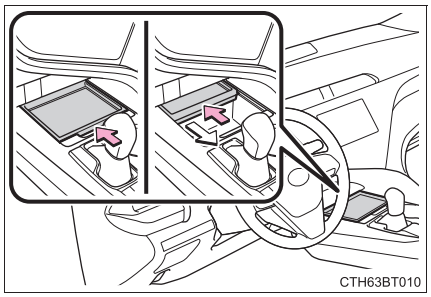
Auxiliary boxes

▶ Type A (if equipped)



Push the lid.

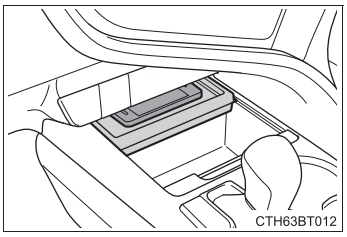
▶ Type B



Opening:
Push the tray forward until it locks.
Closing:
Push the tray forward to release the lock and the tray will automatically close.

When small items are placed on top of the tray (type B)

The tray can be opened while small items are placed on it.



WARNING

Caution while driving (type A)

Do not leave the auxiliary box open while driving.
Items may fall out and cause death or serious injury in case of an accident or sudden stop.

Items unsuitable for storing (type A)

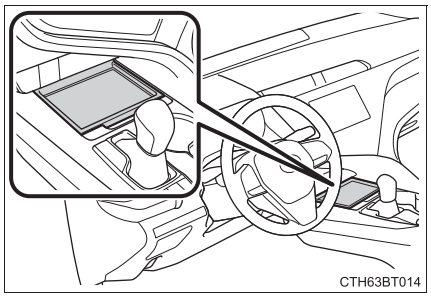
Do not store items heavier than 0.2 kg (0.4 lb.).
Doing so may cause the auxiliary box to open and the items inside may fall out, resulting in an accident.

NOTICE

■ **When opening or closing the tray (type B)**

- To prevent damaging small items, when opening the tray while small items are placed on it, make sure the items will not get caught.
- To prevent damaging the tray, do not pull the tray to close it. Doing so may damage the tray.

Open tray



■ **When using wireless charger (if equipped)**

→P. 441

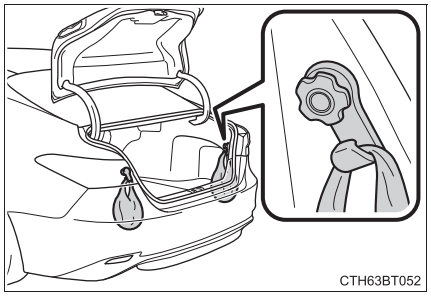
WARNING

Observe the following precautions when putting items in the open tray. Failure to do so may cause items to be thrown out of the tray in the event of sudden braking or steering. In these cases, the items may interfere with pedal operation or cause driver distraction, resulting in an accident.

- Do not store items in the tray that can easily shift or roll out.
- Do not stack items in the tray higher than the tray's edge.
- Do not put items in the tray that may protrude over the tray's edge.

Trunk features

Grocery bag hooks



NOTICE

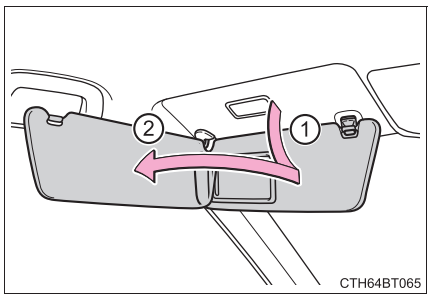
To prevent damage to the hooks, do not apply too much load to the hooks.

Other interior features

Sun visors

① To set the visor in the forward position, flip it down.

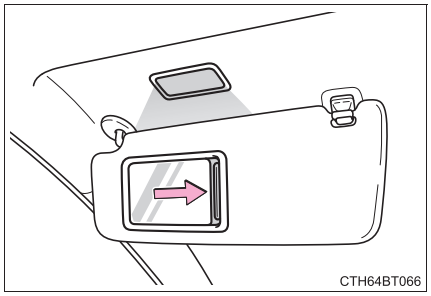
② To set the visor in the side position, flip down, unhook, and swing it to the side.



Vanity mirrors

Slide the cover to open.

The light turns on when the cover is opened.

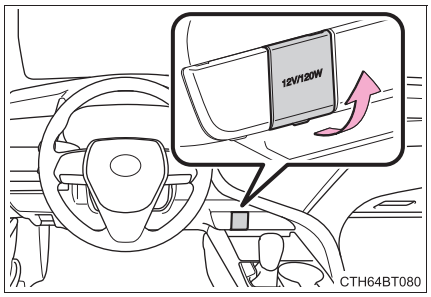


If the vanity lights remain on for 20 minutes while the hybrid system is off, the lights will turn off automatically.

Power outlet

Please use as a power supply for electronic goods that use less than 12 VDC/10 A (power consumption of 120 W).

Open the lid.



The power outlet can be used when

The power switch is in ACCESSORY or ON mode.

When stopping the hybrid system

Disconnect electrical devices with charging functions, such as mobile battery packs.
If such devices are left connected, the hybrid system may not stop normally.

NOTICE

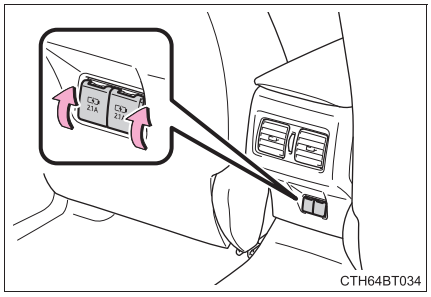
- To avoid damaging the power outlet, close the power outlet lid when it is not in use.
  Foreign objects or liquids that enter the power outlet may cause a short circuit.
- To prevent 12-volt battery discharge, do not use the power outlet longer than necessary when the hybrid system is off.

USB charging ports

The USB charging ports are used to supply 2.1 A of electricity at 5 V to external devices (power consumption of 10.5 W).
The USB charging ports are for charging only. They are not designed for data transfer or other purposes.
Depending on the external device, it may not charge properly. Refer to the manual included with the device before using a USB charging port.

■ Using the USB charging ports

Open the lid.



■ The USB charging ports can be used when

The power switch is in ACCESSORY or ON mode.

■ Situations in which the USB charging ports may not operate correctly

- If a device which consumes more than 2.1 A at 5 V is connected (power consumption of 10.5 W).
- If a device designed to communicate with a personal computer, such as a USB memory device, is connected
- If the connected external device is turned off (depending on device)
- If the temperature inside the vehicle is high, such as after the vehicle has been parked in the sun

■ About connected external devices

Depending on the connected external device, charging may occasionally be suspended and then start again. This is not a malfunction.

NOTICE

■ **To prevent damage to the USB charging ports**

- Do not insert foreign objects into the ports.
- Do not spill water or other liquids into the ports.
- When the USB charging ports are not in use, close the lids. If a foreign object or liquid enters a port may cause a short circuit.
- Do not apply excessive force to or impact the USB charging ports.
- Do not disassemble or modify the USB charging ports.

■ **To prevent damage to external devices**

- Do not leave external devices in the vehicle. The temperature inside the vehicle may become high, resulting in damage to an external device.
- Do not push down on or apply unnecessary force to an external device or the cable of an external device while it is connected.

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

Do not use the USB charging ports for a long period of time with the hybrid system stopped.

Wireless charger (if equipped)

A portable device, such as a smartphone or mobile battery, can be charged by just placing it on the charging area, provided the device is compatible with the Qi wireless charging standard created by the Wireless Power Consortium.

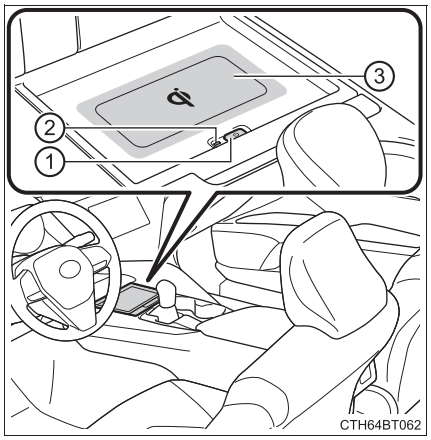
The wireless charger cannot be used with a portable device that is larger than the charging area. Additionally, depending on the portable device, the wireless charger may not operate properly. Refer to the operation manual of the portable device.

The “Qi” symbol

The “Qi” symbol is a trademark of the Wireless Power Consortium.

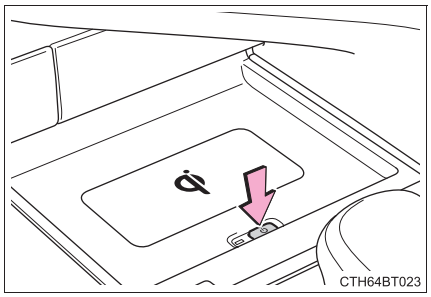
Name for all parts

① Power supply switch
② Operation indicator light
③ Charge area



■ Using the wireless charger

1 Press the power supply switch of the wireless charger.

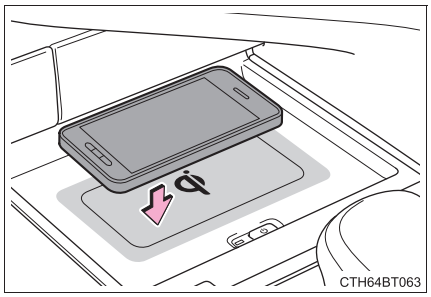


Pressing the switch again turns the wireless charger off.

When turned on, the operation indicator light (green) comes on.

When the power switch is turned off, the on/off state of the wireless charger will be memorized.

2 Place a portable device on the charging area with its charging surface facing down.



While charging, the operation indicator light (orange) will be illuminated.

If charging does not begin, move the portable device as close to the center of the charging area as possible.

When charging is complete, the operation indicator light (green) will illuminate.

● Recharging function

- If a certain amount of time has elapsed since charging completed and the portable device has not been moved, the wireless charger will restart charging.
- If the portable device is moved within the charging area, charging will stop temporarily then restart.

■ **Operation indicator light status**

Operation indicator light	State
Off	The Wireless charger is off
Green (illuminated)	Standby (charging is possible)
	Charging is complete*
Orange (illuminated)	A portable device has been placed on the charging area (identifying the portable device)
	Charging in progress

*: Depending on the portable device, the operation indicator light may stay illuminated (orange) after charging has completed.

● If the operation indicator light blinks

If an error is detected, the operation indicator light will blink (orange). Take the appropriate measures according to the table below.

Operation indicator light	Suspected causes	Measure
Blinks (orange) at a one second interval continuously	Vehicle to charger communication failure.	Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
Blinks (orange) 3 times repeatedly	A foreign object exists between the portable device and charging area.	Remove the foreign object.
	Portable device is not positioned properly on the charging area.	Move the portable device toward the center of the charging area.
Blinks (orange) 4 times repeatedly	The temperature of the wireless charger is excessively high.	Stop charging immediately and continue charging after a while.

■ **The wireless charger can be operated when**

The power switch is in ACCESSORY or ON mode.

■ **Portable devices that can be charged**

- Portable devices compatible with the Qi wireless charging standard can be charged by the wireless charger. However, compatibility with all devices which meet the Qi wireless charging standard is not guaranteed.
- The wireless charger is designed to supply low power electricity (5 W or less) to a cellular phone, smartphone, or other portable device.

■ **If a cover or accessory is attached to the portable device**

Do not charge a portable device if a cover or accessory which is not Qi compatible is attached. Depending on the type of cover and/or accessory attached, it may not be possible to charge the portable device. If the portable device is placed on the charging area and does not charge, remove the cover and/or accessories.

■ **If interference is heard in AM radio broadcasts while charging**

Turn off the wireless charger and check if the noise is reduced. If noise is reduced, press and hold the power supply switch of the wireless charger for 2 seconds. The frequency of the wireless charger is changed and noise may be reduced. When the frequency is changed, the operation indicator light will blink (orange) 2 times.

■ **Charging precautions**

- If the electronic key cannot be detected in the cabin, charging cannot be performed. When a door is opened and closed, charging may be temporarily suspended.
- While charging, the wireless charger and the portable device will become warm. This is not a malfunction.
  If a portable device becomes warm while charging and charging stops due to the protection function of the portable device, wait until the portable device cools down and charge it again.

■ **Sound generated during operation**

When the power supply switch is turned on or while a portable device is being identified, operation sounds may be heard. This is not a malfunction.

■ **Cleaning the wireless charger**

→P. 460

WARNING

■ **Caution while driving**

When charging a portable device while driving, for safety reasons, the driver should not operate the portable device.

■ **Caution regarding interference with electronic devices**

People with implantable cardiac pacemakers, cardiac resynchronization therapy pacemakers or implantable cardioverter defibrillators, as well as any other electrical medical device, should consult their physician about the usage of the wireless charger.

Operations of the wireless charger may have an affect on medical devices.

■ **To prevent damage or burns**

Observe the following precautions.

Failure to do so may result in the possibility of fire, equipment failure or damage, or burns due to heat.

- Do not put any metallic objects between the charging area and the portable device while charging.
- Do not attach metallic objects, such as aluminum stickers, to the charging area.
- Do not cover the wireless charger with a cloth or other object while charging.
- Do not attempt to charge portable devices which are not compatible with the Qi wireless charging standard.
- Do not disassemble, modify or remove the wireless charger.
- Do not apply force or impact to the wireless charger.

NOTICE

Conditions in which the wireless charger may not operate correctly

In the following situations, the wireless charger may not operate correctly:

- When a portable device is fully charged
- When there is a foreign object between the charging area and portable device
- When a portable device becomes hot while charging
- When a portable device is placed on the wireless area with its charging surface facing up
- When a portable device is not centered on the charging area
- When the vehicle is near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When the portable device is in contact with, or is covered by any of the following metallic objects:
  - Cards to which aluminum foil is attached
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Metal hand warmers
  - Media such as CDs and DVDs
- When wireless keys (that emit radio waves) other than those of your vehicle are being used nearby.

If in situations other than above the wireless charger does not operate properly or the operation indicator light is blinking, the wireless charger may be malfunctioning. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

To prevent failure or damage to data

- Do not bring magnetic cards, such as a credit card, or magnetic recording media, close to the wireless charger while charging. Otherwise, data may be erased due to the influence of magnetism.
  Additionally, do not bring precision instruments such as wrist watches, close to the wireless charger, as such objects may malfunction.
- Do not leave portable devices in the cabin. The temperature inside the cabin may become high when parked in the sun, and cause damage to the device.

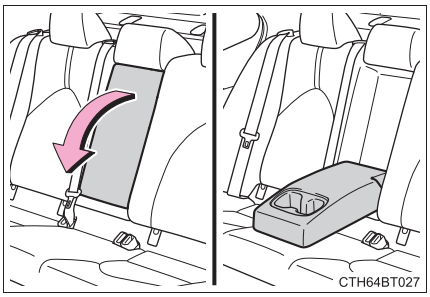
To prevent 12-volt battery discharge

Do not use the wireless charger for a long period of time with the hybrid system stopped.

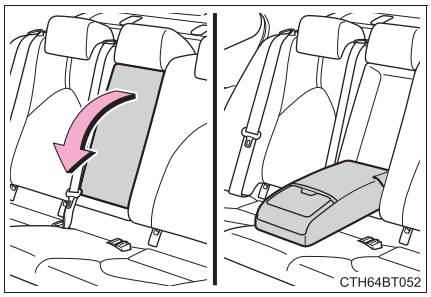
Armrest

Fold down the armrest for use.

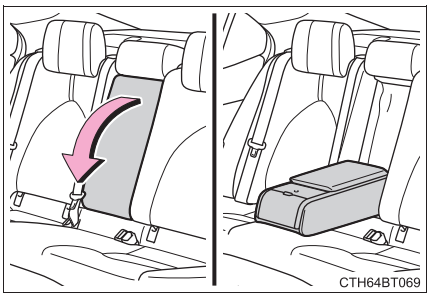
▶ Type A



▶ Type B



▶ Type C

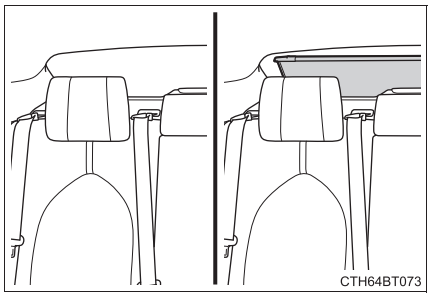


NOTICE

To prevent damage to the armrest, do not apply too much load on the armrest.

Rear sunshade (if equipped)

The rear sunshade can be raised and lowered using any of the following.



▶ Meter control switches

1 Select on the multi-information display using the meter control switches on the steering wheel. (→P. 148)

2 Select and then press OK .

Each time OK is pressed, the operating direction of the rear sunshade will change.

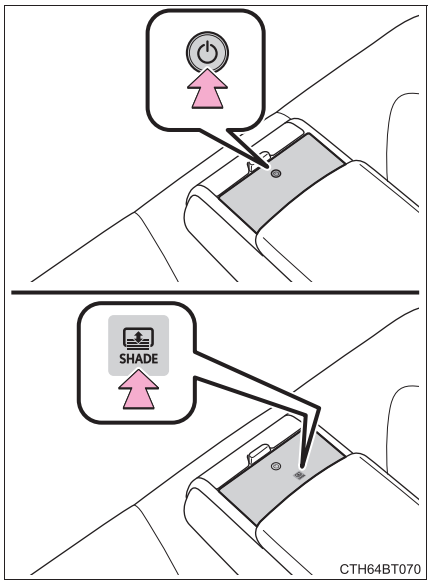
▶ From a rear seat

1 Fold down the rear armrest. (→P. 447)

2 Press to turn the rear control panel on.

3 Touch SHADE button.

Each time SHADE button is touched, the operating direction of the rear sunshade will change.



- The rear sunshade can be used when the power switch is in ON mode.
- The rear sunshade can be operated for approximately 1 minute even after the power switch is turned off.
- Reverse operation feature: To ensure adequate rear visibility, the rear sunshade automatically lowers when the shift lever is shifted to R.

  However, the rear sunshade is raised again if any of the following occurs:

  - The button is pressed again.
  - The shift lever is shifted into P.
  - The shift lever is shifted out of R, and the vehicle reaches a speed of 15 km/h (9 mph).
  - The power switch is turned off.
- The reverse operation feature may not work under some conditions. In such cases, press the switch to extend/retract the rear sunshade.
- The rear control panel will turn off if it is not touched for approximately 10 seconds.
- Changing the settings of the rear control panel (→P. 422)

WARNING

When the rear sunshade is being operated, do not place fingers or other objects in the fastener section or in the opening. They may get caught, causing injury.

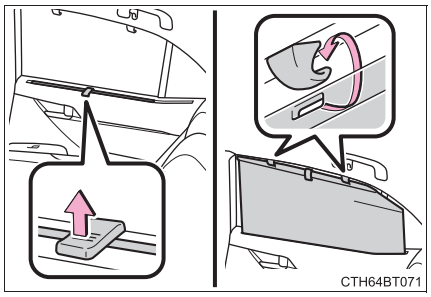
NOTICE

- To prevent 12-volt battery discharge, do not operate the rear sunshade when the hybrid system is off.
- Observe the following precautions to ensure normal operation of the rear sunshade.
  - Do not place excessive load on the motor or other components of the rear sunshade.
  - Do not place objects where they may hinder opening and closing operations.
  - Do not attach items to the rear sunshade.
  - Keep the opening clean and clear of obstructions.
  - Do not operate the rear sunshade continuously for long periods of time.

Rear door sunshades (if equipped)

Pull the tab up and hook the sunshade on to the anchors.

To lower the sunshade, pull the tab up slightly to unhook the shade from the anchors, and lower it slowly.



WARNING

When the rear door sunshades are being operated, do not place fingers or other objects in the fastener section or in the opening. They may get caught, causing injury.

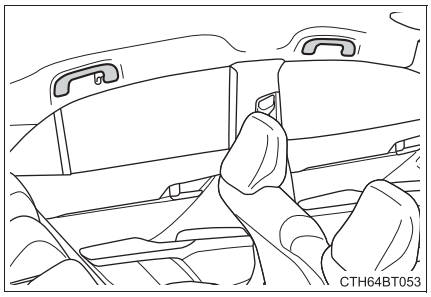
NOTICE

To ensure normal operation of the rear door sunshades, observe the following precautions:

- Do not place anything where it may hinder the opening/closing of a sunshade.
- Do not place anything on the sunshades.
- Keep the opening clean and clear of obstructions.

Assist grips

An assist grip installed on the ceiling can be used to support your body while sitting on the seat.



WARNING

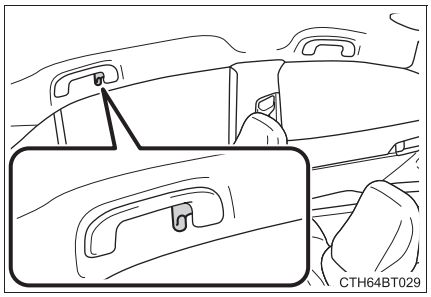
Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

NOTICE

To prevent damage to the assist grip, do not put a heavy load on the assist grip.

Coat hooks

Coat hooks are provided on the rear assist grips.



WARNING

Do not hang coat hangers or other hard or sharp objects on the hook. If the SRS curtain shield airbags deploy, these items may become projectiles, causing death or serious injury.

Maintenance and care 6

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Cleaning and protecting the vehicle exterior

Perform the following to protect the vehicle and maintain it in prime condition:

- Working from top to bottom, liberally apply water to the vehicle body, wheel wells and underside of the vehicle to remove any dirt and dust.
- Wash the vehicle body using a sponge or soft cloth, such as a chamois.
- For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- Wipe away any water.
- Wax the vehicle when the waterproof coating deteriorates.

  If water does not bead on a clean surface, apply wax when the vehicle body is cool.

■ Automatic car washes

- Fold the mirrors before washing the vehicle. Start washing from the front of the vehicle. Make sure to extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.

■ High pressure car washes

As water may enter the cabin, do not bring the nozzle tip near the gaps around the doors or perimeter of the windows, or spray these areas continuously.

■ When using a car wash

If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:

- Place the key in a position 2 m (6 ft.) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P. 187)

■ **Aluminum wheels**

- Remove any dirt immediately by using a neutral detergent.
- Wash detergent off with water immediately after use.
- To protect the paint from damage, make sure to observe the following precautions.
  - Do not use acidic, alkaline or abrasive detergent
  - Do not use hard brushes
  - Do not use detergent on the wheels when they are hot, such as after driving or parking in hot weather

■ **Bumpers**

Do not scrub with abrasive cleaners.

■ **Front side windows water-repellent coating**

- The following precautions can extend the effectiveness of the water-repellent coating.
  - Remove any dirt, etc., from the front side windows regularly.
  - Do not allow dirt and dust to accumulate on the windows for a long period.
    Clean the windows with a soft, damp cloth as soon as possible.
  - Do not use wax or glass cleaners that contain abrasives when cleaning the windows.
  - Do not use any metallic objects to remove condensation build up.
- When the water-repellent performance has become insufficient, the coating can be repaired. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Restoration work for rain clearing effect of the rain clearing mirror (if equipped)**

The rain clearing effect on the mirror surface will gradually recover after exposure to sunlight (→P. 235).

However, if you want to restore the effect immediately, conduct the following procedures:

1. Apply water to the mirror surface to wash the dirt away from it.
2. Remove the dirt by using a clean, soft and wet cloth.
3. Clean the mirror surface with glass cleaner or detergent. When detergent is used, rinse the mirror surface with a lot of water.
4. Wipe water on the mirror surface by using a clean and soft cloth, etc.
5. Park your vehicle outdoors to expose the mirror surface to sunlight for about 5 hours. (The restoration time differs depending on the amount and type of dirt.)

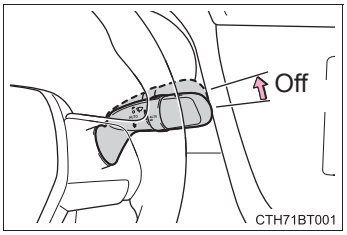
WARNING

■ **When washing the vehicle**

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components, etc. to catch fire.

■ **When cleaning the windshield**

Set the wiper switch to off.
If the wiper switch is in “AUTO”, the wipers may operate unexpectedly in the following situations, and may result in hands being caught or other serious injuries and cause damage to the wiper blades.



- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

■ **Precautions regarding the exhaust pipe**

Exhaust gasses cause the exhaust pipe to become quite hot.

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

■ **Precaution regarding the rear bumper with Blind Spot Monitor (if equipped)**

If the paint of the rear bumper is chipped or scratched, the system may malfunction. If this occurs, avoid using the system and consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

NOTICE

■ **To prevent paint deterioration and corrosion on the body and components (aluminum wheels, etc.)**

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If coal tar or tree sap is present on the paint surface
  - If dead insects, insect droppings or bird droppings are present on the paint surface
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
  - If the vehicle becomes heavily soiled with dust or mud
  - If liquids such as benzene and gasoline are spilled on the paint surface
- If the paint is chipped or scratched, have it repaired immediately.
- To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

■ **Cleaning the exterior lights**

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

■ **When using an automatic car wash**

Set the wiper switch to the off position.
If the wiper switch is in “AUTO”, the wipers may operate and the wiper blades may be damaged.

NOTICE

■ **When using a high pressure car wash**

- Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), connectors or the following parts. The parts may be damaged if they come into contact with high-pressure water.
  - Traction related parts
  - Steering parts
  - Suspension parts
  - Brake parts
- Keep the cleaning nozzle at least 30 cm (11.9 in.) away from the vehicle body. Otherwise resin section, such as moldings and bumpers, may be deformed and damaged. Also, do not continuously hold the nozzle in the same place.
- Do not spray the lower part of the windshield continuously.
  If water enters the air conditioning system intake located near the lower part of the windshield, the air conditioning system may not operate correctly.
- Do not wash the underside of the vehicle using a high-pressure car washer.

Cleaning and protecting the vehicle interior

The following procedures will help protect your vehicle's interior and keep it in top condition:

Protecting the vehicle interior

- Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with lukewarm water.
- If dirt cannot be removed, wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
  Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Cleaning the areas with satin-finish metal accents

- Remove dirt using a soft cloth or synthetic chamois dampened in a baking soda (sodium bicarbonate) solution.

  Use a solution of approximately 9% baking soda dissolved in water.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture.

Cleaning the leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe off any excess dirt and dust with a soft cloth dampened with diluted detergent.

  Use a diluted water solution of approximately 5% neutral wool detergent.
- Wring out any excess water from the cloth and thoroughly wipe off all remaining traces of detergent.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture. Allow the leather to dry in a shaded and ventilated area.

Cleaning the synthetic leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
- Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Caring for leather areas

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

Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not use water. Wipe dirty surfaces and let them dry. Excellent results are obtained by keeping the carpet as dry as possible.

Seat belts

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

WARNING

Water in the vehicle

- Do not splash or spill liquid in the vehicle, such as on the floor, in the hybrid battery (traction battery) air vent, and in the trunk.
  Doing so may cause the hybrid battery, electrical components, etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P. 44)
  An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.
- Vehicles with wireless charger: Do not let the wireless charger (→P. 441) get wet. Failure to do so may cause the charger to become hot and cause burns or could cause electric shock resulting in death or serious injury.

Cleaning the interior (especially instrument panel)

Do not use polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver’s view and leading to an accident, resulting in death or serious injury.

NOTICE

Cleaning detergents

- Do not use the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:
  - Areas other than the seats and steering wheel: Organic substances such as benzene or gasoline, alkaline or acidic solutions, dye, and bleach
  - Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol
  - Steering wheel: Organic substances, such as thinner, and cleaner that contains alcohol
- Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

Preventing damage to leather surfaces

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

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

Water on the floor

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

When cleaning the inside of the windshield

Do not allow glass cleaner to contact the lens. Also, do not touch the lens. (→P. 295)

Cleaning the inside of the rear window

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

Maintenance requirements

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

Scheduled maintenance

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

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

- Where to go for maintenance service?

  In order to maintain your vehicle in the best possible condition, Toyota recommends that maintenance service operations as well as other inspections and repairs be carried out by authorized Toyota retailers or Toyota authorized repairers, or any reliable repairers. For repairs and services covered by your warranty, please visit an authorized Toyota retailer or repairer, who will use genuine Toyota parts in repairing any difficulties you may encounter. There can also be advantages in utilizing authorized Toyota retailers or repairers for non-warranty repairs and services, as members of the Toyota network will be able to expertly assist you with any difficulties you may encounter.
  Your Toyota retailer or Toyota authorized repairer, or any reliable repairer will perform all of the scheduled maintenance on your vehicle reliably and economically due to their experience with Toyota vehicles.

Do-it-yourself maintenance

What about do-it-yourself maintenance?

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

Note, however, that some maintenance tasks require special tools and skills.
These are best performed by qualified technicians. Even if you're an experienced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Any authorized Toyota retailer or repairer will keep a record of maintenance, which could be useful should you ever require Warranty Service. Should you choose to select a qualified and equipped professional other than an authorized Toyota repairer to service or maintain your vehicle, we recommend that you request that a record of maintenance be kept.

Does your vehicle need repairs?

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

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

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

WARNING

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

Improper maintenance could result in serious damage to the vehicle and possible death or serious injury.

■ **Important health and safety information**

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. 476)

Do-it-yourself service precautions

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

Items	Parts and tools
12-volt battery condition (→P. 476)	• Grease • Conventional wrench (for terminal clamp bolts)
Engine/power control unit coolant level (→P. 473)	• “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P. 470)	• “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)
Fuses (→P. 509)	• Fuse with same amperage rating as original
Hybrid battery (traction battery) air intake vent (→P. 502)	• Vacuum cleaner, etc. • Phillips screwdriver
Light bulbs (→P. 512)	• Bulb with same number and wattage rating as original • Flathead screwdriver • Wrench
Radiator/condenser (→P. 474)	—
Tire inflation pressure (→P. 495)	• Tire pressure gauge • Compressed air source
Washer fluid (→P. 475)	• Water or washer fluid containing antifreeze (for winter use) • Funnel (used only for adding water or washer fluid)

WARNING

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

■ When working on the engine compartment

- Make sure that the “READY” indicator is off.
- Keep hands, clothing and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, power control unit, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel. Fuel fumes are flammable.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.
  If you still experience discomfort, consult a doctor.

■ When working near the electric cooling fan or radiator grille

Be sure the power switch is off. With the power switch in ON mode, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 474)

■ Safety glasses

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

NOTICE

■ If you remove the air cleaner filter

Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

■ If the fluid level is low or high

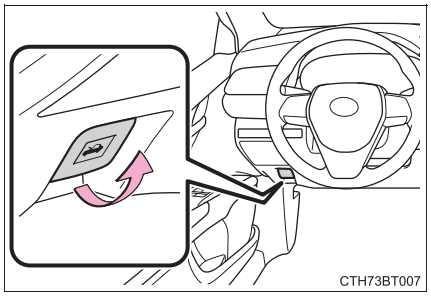
It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.
If the reservoir needs frequent refilling, it may indicate a serious problem.

Hood

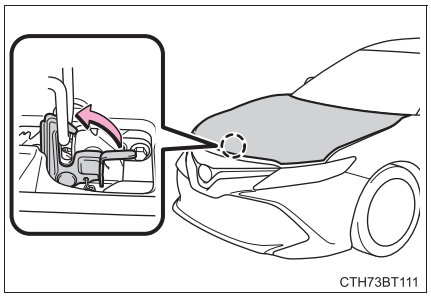
Release the lock from the inside of the vehicle to open the hood.

1 Pull the hood lock release lever.

The hood will pop up slightly.



2 Pull up the auxiliary catch lever and lift the hood.



Open hood warning buzzer

If the vehicle reaches a speed of 5 km/h (3 mph), the master warning light flashes and a buzzer sounds to indicate that the hood is not fully closed.

WARNING

Pre-driving check

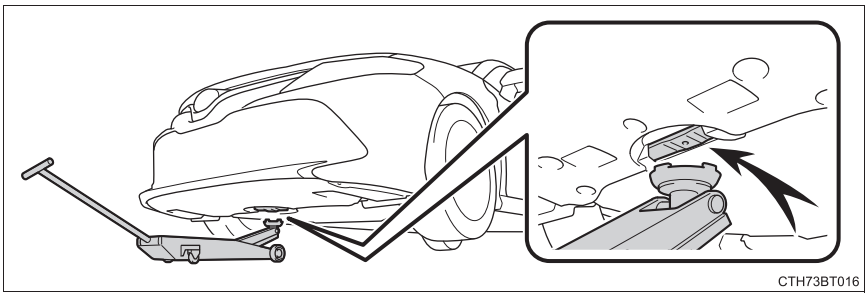
Check that the hood is fully closed and locked.
If the hood is not locked properly, it may open while the vehicle is in motion and cause an accident, which may result in death or serious injury.

Positioning a floor jack

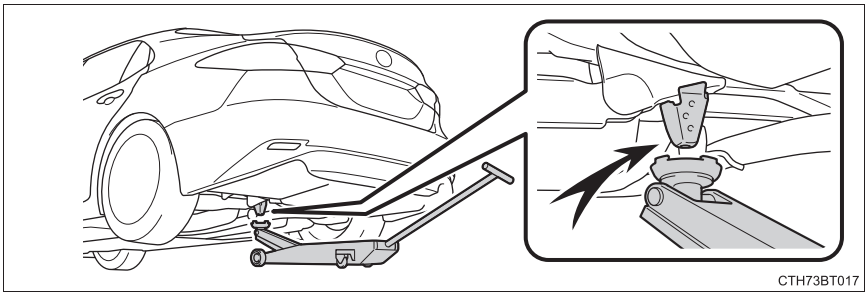
When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely.

When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

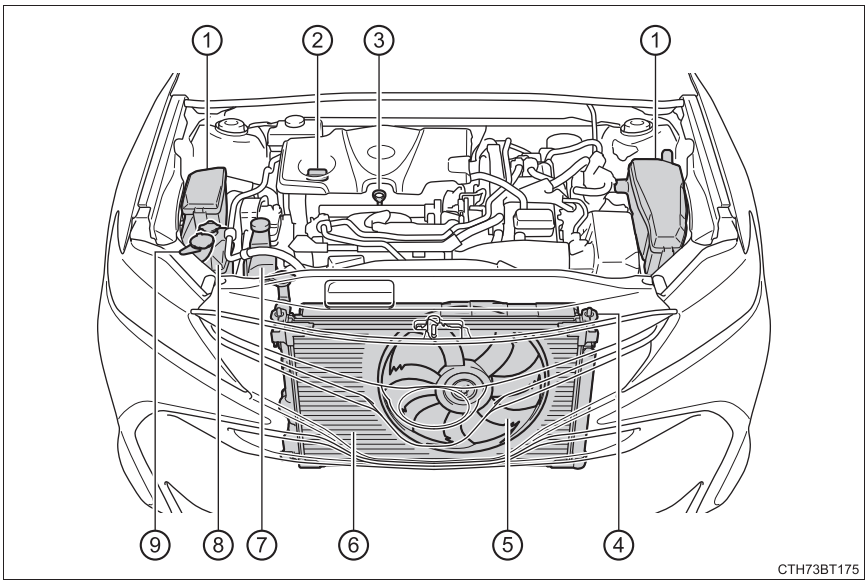
◆ Front



◆ Rear



Engine compartment



① Fuse boxes (if equipped) (→P. 509)
② Engine oil filler cap (→P. 471)
③ Engine oil level dipstick (→P. 470)
④ Radiator (→P. 474)
⑤ Electric cooling fan
⑥ Condenser (→P. 474)
⑦ Power control unit coolant reservoir (→P. 473)
⑧ Engine coolant reservoir (→P. 473)
⑨ Washer fluid tank (→P. 475)

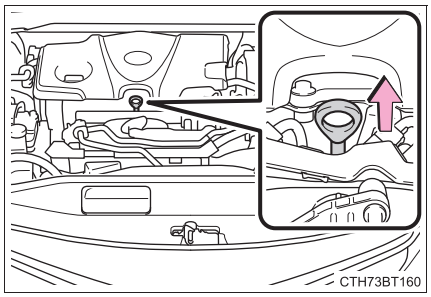
Engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

■ Checking the engine oil

1 Park the vehicle on level ground. After warming up the engine and turning off the hybrid system, wait more than 5 minutes for the oil to drain back into the bottom of the engine.

2 Holding a rag under the end, pull the dipstick out.


CTH73BT160

3 Wipe the dipstick clean.

4 Reinsert the dipstick fully.

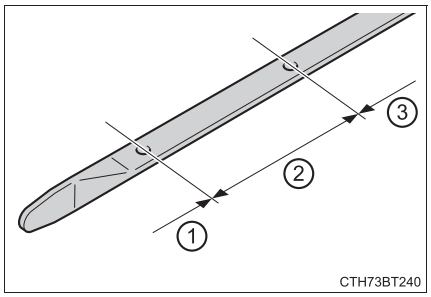
5 Holding a rag under the end, pull the dipstick out and check the oil level.

① Low

② Normal

③ Excessive

The shape of the dipstick may differ depending on the type of vehicle or engine.

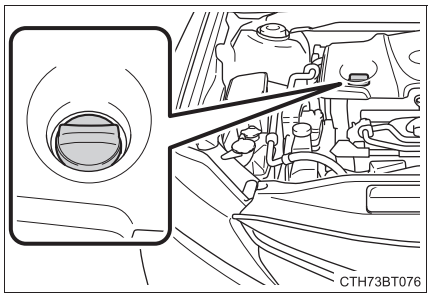


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6 Wipe the dipstick and reinsert it fully.

■ Adding engine oil

If the oil level is below or near the low level mark, add engine oil of the same type as that already in the engine.



Make sure to check the oil type and prepare the items needed before adding oil.

Engine oil selection	→P. 599
Oil quantity (Low → Full)	1.5 L (1.6 qt., 1.3 Imp. qt.)
Items	Clean funnel

1 Remove the oil filler cap by turning it counterclockwise.

2 Add engine oil slowly, checking the dipstick.

3 Install the oil filler cap by turning it clockwise.

■ Engine oil consumption

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine
- If low quality oil or oil of an inappropriate viscosity is used
- When driving at high engine speeds or with a heavy load, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic

WARNING

■ Used engine oil

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation and skin cancer, so care should be taken to avoid prolonged and repeated contact. To remove used engine oil from your skin, wash thoroughly with soap and water.
- Dispose of used oil and filters only in a safe and acceptable manner. Do not dispose of used oil and filters in household trash, in sewers or onto the ground.
  Call any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer, service station or auto parts store for information concerning recycling or disposal.
- Do not leave used engine oil within the reach of children.

NOTICE

■ To prevent serious engine damage

Check the oil level on a regular basis.

■ When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

■ If oil is spilled on the engine cover

To prevent the engine cover from being damaged, remove any engine oil from the engine cover as soon as possible using a neutral detergent.

Do not use an organic solvent such as brake cleaner.

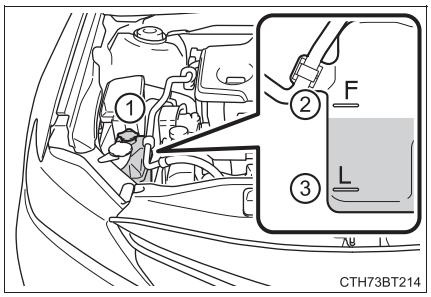
Coolant

▶ Engine coolant reservoir

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. 587)

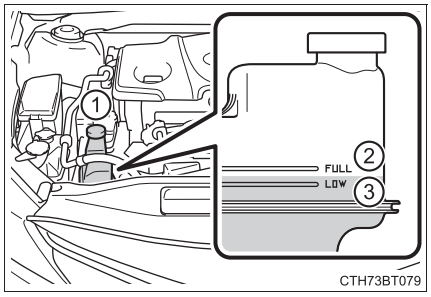


▶ Power control unit coolant reservoir

The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir when the hybrid system is cold.

① Reservoir cap
② “FULL” line
③ “LOW” line

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P. 587)



■ Coolant selection

Only use “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

“Toyota Super Long Life Coolant” is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -35°C [-31°F])

For more details about engine coolant, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ If the coolant level drops within a short time of replenishing

Visually check the radiators, hoses, engine/power control unit coolant reservoir caps, drain cock and water pump.
If you cannot find a leak, have any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer test the cap and check for leaks in the cooling system.

WARNING

When the hybrid system is hot

Do not remove the engine/power control unit coolant reservoir caps or the radiator cap.
The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

NOTICE

When adding coolant

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

If you spill coolant

Be sure to wash it off with water to prevent it from damaging parts or paint.

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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

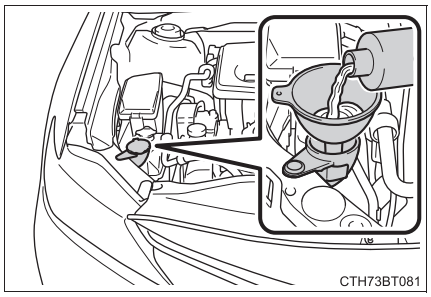
When the hybrid system is hot

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

Washer fluid

Add washer fluid in the following situations:

- A washer does not work.
- “Windshield Washer Fluid Low” is displayed on the multi-information display.



WARNING

When adding washer fluid

Do not add washer fluid when the hybrid system is hot or operating as washer fluid contains alcohol and may catch fire if spilled on the engine, etc.

NOTICE

Do not use any fluid other than washer fluid

Do not use soapy water or engine antifreeze instead of washer fluid.
Doing so may cause streaking on the vehicle's painted surfaces, as well as damaging the pump leading to problems of the washer fluid not spraying.

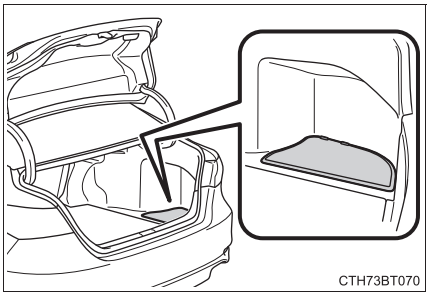
Diluting washer fluid

Dilute washer fluid with water as necessary.
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

12-volt battery

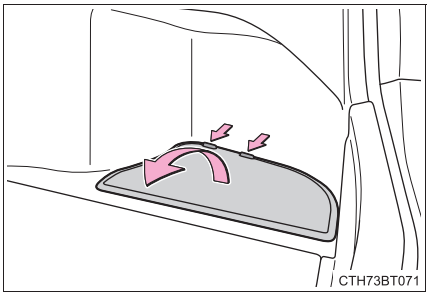
Location

The 12-volt battery is located on the right-hand side of the trunk.



Removing the 12-volt battery cover

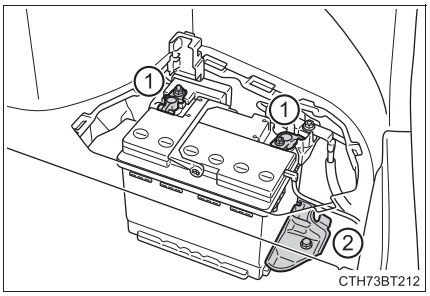
Lift up the 12-volt battery cover while pulling the claws to remove.



Exterior

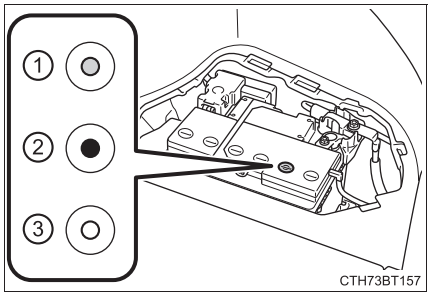
Make sure that the 12-volt battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.

① Terminals
② Hold-down clamp



Checking 12-volt battery condition

Check the 12-volt battery condition by indicator color.



① Blue:
Good condition

② Red:
Charging is necessary.

Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

③ Clear:
Battery fluid level is low.

Have the 12-volt battery checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ Before recharging

When recharging, the 12-volt battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following precautions before recharging:

- If recharging with the 12-volt battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the 12-volt battery.

■ After recharging/reconnecting the 12-volt battery

- Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the 12-volt battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the hybrid system with the power switch in ACCESSORY mode. The hybrid system may not start with the power switch turned off. However, the hybrid system will operate normally from the second attempt.
- The power switch mode is recorded by the vehicle. If the 12-volt battery is reconnected, the vehicle will return the power switch mode to the status it was in before the 12-volt battery was disconnected. Make sure to turn off the power before disconnecting the 12-volt battery. Take extra care when connecting the 12-volt battery if the power switch mode prior to discharge is unknown.

If the system will not start even after multiple attempts, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ Chemicals in the 12-volt battery

The 12-volt battery contains poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the 12-volt battery:

- Do not cause sparks by touching the 12-volt battery terminals with tools.
- Do not smoke or light a match near the 12-volt battery.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the 12-volt battery.
- Keep children away from the 12-volt battery.

■ Where to safely charge the 12-volt battery

Always charge the 12-volt battery in an open area. Do not charge the 12-volt battery in a garage or closed room where there is insufficient ventilation.

■ Emergency measures regarding electrolyte

- If electrolyte gets in your eyes
  Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.
- If electrolyte gets on your skin
  Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
  It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
  Drink a large quantity of water or milk. Get emergency medical attention immediately.

■ When disconnecting the 12-volt battery

Do not disconnect the negative (-) terminal on the body side. The disconnected negative (-) terminal may touch the positive (+) terminal, which may cause a short and result in death or serious injury.

■ When replacing the 12-volt battery

Use a 12-volt battery designed for this vehicle. Failure to do so may cause gas (hydrogen) to enter the passenger compartment, causing a fire or explosion.

For replacement of the 12-volt battery, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

NOTICE

When recharging the 12-volt battery

Never recharge the 12-volt battery while the hybrid system is operating. Also, be sure all accessories are turned off.

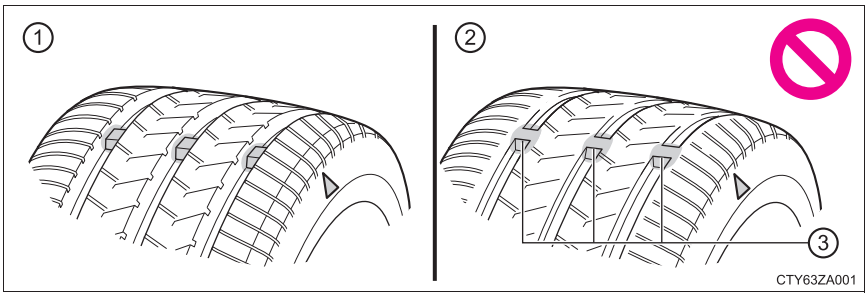
Tires

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

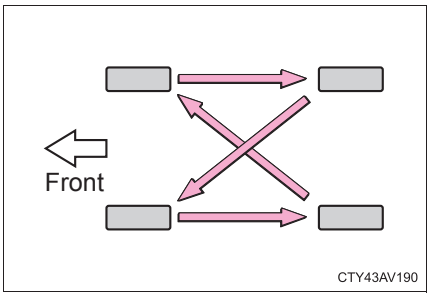
3 Treadwear indicator

The location of treadwear indicators is shown by a “TWI” or “Δ” mark, etc., molded into the sidewall of each tire.

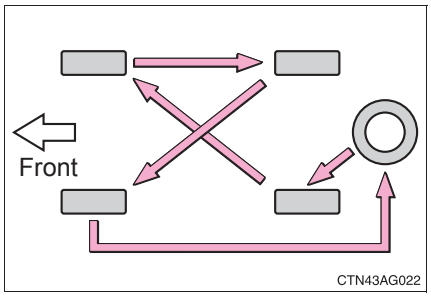
Replace the tires if the treadwear indicators are showing on a tire.

Tire rotation

▶ Vehicles with a compact spare tire



▶ Vehicles with a full-size spare tire



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 10000 km (6000 miles).

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 valve 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. 534)

◆ Installing tire pressure warning valve and transmitters

When replacing the tires or wheels, the tire pressure warning valve and transmitters must be installed to the wheels which will be installed to the vehicle.

When new tire pressure warning valve and transmitters are installed, new ID codes must be registered in the tire pressure warning computer and the tire pressure warning system must be initialized. (→P. 483)

◆ Initializing the tire pressure warning system

■ The tire pressure warning system must be initialized in the following circumstances:

- When the tire inflation pressure is changed such as when changing traveling speed or load weight.
- When the tire inflation pressure is changed such as when the tire size is changed.
- When rotating the tires.
- After performing the transmitter ID code registration procedure. (→P. 483)

When the tire pressure warning system is initialized, the current tire inflation pressure is set as the benchmark pressure.

■ How to initialize the tire pressure warning system

1 Park the vehicle in a safe place and stop the hybrid system for 20 minutes or more.

The initialization procedure cannot be started while the vehicle is moving.

2 Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P. 604)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

3 Start the hybrid system. (→P. 252)

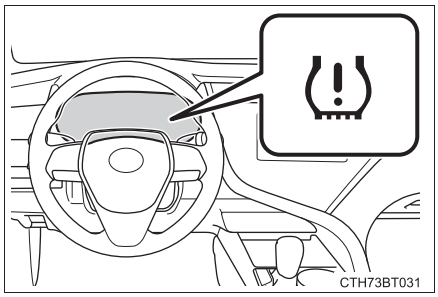
4 Select  on the multi-information display using the meter control switches on the steering wheel. (→P. 148).

5 Select  and then press and hold .

6 Select “TPWS” and then press .

7 Select “Set Pressure” then press and hold OK until the tire pressure warning light blinks 3 times.

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



◆ Registering ID codes

Every tire pressure warning valve and transmitter has a unique ID code. In addition to the set of tire pressure warning system sensor ID codes initially registered to the vehicle, a second set of ID codes can be registered.

A second set of tire pressure warning system sensor ID codes can be registered at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. When 2 sets of ID codes have been registered, either ID code set can be selected.

■ Changing the available set of ID codes

When 2 sets of ID codes are registered, the corresponding ID code set for the installed wheels can be selected on ⚙ of the multi-information display. It is not necessary to reregister the ID codes each time the wheels are changed.

For information regarding changing the registered ID codes for an ID code set, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Replacing tires and wheels**

If the ID codes of the tire pressure warning valve and transmitters are not registered, the tire pressure warning system will not work properly. In this case, after driving for about 10 minutes, the tire pressure warning light will blink for approximately 1 minute and then illuminate 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**

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.

■ **Low profile tires (vehicles with 18-inch wheels)**

Generally, low profile tires will wear more rapidly and tire grip performance will be reduced on snowy and/or icy roads when compared to standard tires. Be sure to use snow tires on snowy and/or icy roads and drive carefully at a speed appropriate for road and weather conditions.

■ **If the tread on snow tires wears down below 4 mm (0.16 in.)**

The effectiveness of the tires as snow tires is lost.

■ **Situations in which the tire pressure warning system may not operate properly**

● In the following situations, the tire pressure warning system may not operate properly.

- If non-genuine Toyota wheels are used.
- If a tire has been replaced with a tire that is not an OE (Original Equipment) tire.
- If a tire has been replaced with a tire that is not of the specified size.
- If tire chains, etc. are installed.
- If a window tint that affects 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 much higher than the specified level.
- If wheels not equipped with tire pressure warning valve and transmitter are used.
- If the ID codes of the tire pressure warning valve and transmitters are not registered in the tire pressure warning computer.
- 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 trunk.*

*: Vehicles with a full-size spare tire only

● Performance may be affected in the following situations.

- When driving 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 stopped, the time taken for the warning to start or turn off may be longer.

● When the inflation pressure of a tire drops rapidly, for example when a tire has burst, the warning may not operate.

■ **Initialization procedure**

- Make sure to perform the initialization procedure after adjusting the tire inflation pressure.
  Also, make sure the tires are cold before performing the initialization procedure or adjusting the tire inflation pressure.
- If the power switch is turned off during initialization, it is not necessary to restart the initialization procedure from the beginning as it will begin automatically when the power switch is turned back to ON mode.
- If initialization has accidentally been started when it is not necessary, adjust the tire inflation pressure to the specified level when the tires are cold and then perform the initialization procedure again.

■ **Warning performance of the tire pressure warning system**

The warning of the tire pressure warning system will change in accordance with the conditions under which it was initialized. For this reason, the system may give a warning even if the tire pressure does not reach a low enough level, or if the pressure is higher than the pressure that was adjusted to when the system was initialized.

■ **If the tire pressure warning system is not initialized properly**

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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- If initialization is attempted and the tire pressure warning light does not blink 3 times.
- If, when the vehicle has been driven for about 20 minutes after performing initialization, the tire pressure warning light blinks for approximately 1 minute and then illuminates.

■ **Tire pressure warning system certification**

・Manufacturer's name: PACIFIC INDUSTRIAL CO.,LTD. ・Registered trademark: PACIFIC This trademark is registered in the following countries: UK, Italy, Austria, Greece, Germany, France, Belgium, the Netherlands, Luxembourg, Portugal. ・Manufacturer's address: 1300-1 Yokoi, Godo-cho, Anpachi-gun, Gifu, 503-2397 JAPAN ・Operating frequency band: 433.05 — 434.79MHz ・Maximum radio-frequency power: 100dBμV/m@3m(Radiated)
Hereby, PACIFIC INDUSTRIAL CO.,LTD. declares that the radio equipment type PMV-C215 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. vakuuttaa, että radiolaitetyyppi PMV-C215 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hierbij verklaar ik, PACIFIC INDUSTRIAL CO.,LTD., dat het type radioapparatuur PMV-C215 conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Le soussigné, PACIFIC INDUSTRIAL CO.,LTD., déclare que l'équipement radioélectrique du type PMV-C215 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Härmed försäkrar PACIFIC INDUSTRIAL CO.,LTD. att denna typ av radioutrustning PMV-C215 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hermed erklærer PACIFIC INDUSTRIAL CO.,LTD., at radioudstyrstypen PMV-C215 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hiermit erklärt PACIFIC INDUSTRIAL CO.,LTD. , dass der Funkanlagentyp PMV-C215 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Με την παρούσα ο/η PACIFIC INDUSTRIAL CO.,LTD., δηλώνει ότι ο ραδιοεξοπλισμός PMV-C215 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Il fabbricante, PACIFIC INDUSTRIAL CO.,LTD. , dichiara che il tipo di apparecchiatura radio PMV-C215 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Por la presente, PACIFIC INDUSTRIAL CO.,LTD.declara que el tipo de equipo radioeléctrico PMV-C215 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
O(a) abaixo assinado(a) PACIFIC INDUSTRIAL CO.,LTD. declara que o presente tipo de equipamento de rádio PMV-C215 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponí vel no seguinte endereço de Internet: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

B'dan, PACIFIC INDUSTRIAL CO.,LTD., niddikjara li dan it-tip ta' tagħmir tar-radju PMV-C215 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Käesolevaga deklareerib PACIFIC INDUSTRIAL CO.,LTD., et käesolev raadioseadme tüüp PMV-C215 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav jä rgmisel internetiaadressil: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. igazolja, hogy a PMV-C215 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a kö vetkező internetes címen: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. týmto vyhlasuje, že rádiové zariadenie typu PMV-C215 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Tímto PACIFIC INDUSTRIAL CO.,LTD. prohlašuje, že typ rá diového zařízení PMV-C215 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO.,LTD. potrjuje, da je tip radijske opreme PMV-C215 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Aš, PACIFIC INDUSTRIAL CO.,LTD. , patvirtinu, kad radijo į renginių tipas PMV-C215 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Ar šoPACIFIC INDUSTRIAL CO.,LTD. deklarē, ka radioiekārta PMV-C215 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO.,LTD. niniejszym oświadcza, że typ urządzenia radiowego PMV-C215 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hér með lýsir PACIFIC INDUSTRIAL CO.,LTD. yfir því að PMV-C215 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO.,LTD. erklærer at PMV-C215 er i overensstemmelse med direktiv 2014/53/EU. Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
С настоящото PACIFIC INDUSTRIAL CO.,LTD. декларира, че този тип радиосъоръжение PMV-C215 е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Prin prezenta, PACIFIC INDUSTRIAL CO.,LTD. declară că tipul de echipamente radio PMV-C215 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Ovim, PACIFIC INDUSTRIAL CO.,LTD. , izjavljuje da ovaj PMV-C215 je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC. http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Ovim, PACIFIC INDUSTRIAL CO.,LTD., deklariše da je PMV-C215 u skladu sa osnovnim zahtevima i ostalim relevantnim odredbama Direktive 1999/5/EC. http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO.,LTD. ovime izjavljuje da je radijska oprema tipa PMV-C215 u skladu s Direktivom 2014/53/EU.
Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedeć oj internetskoj adresi:
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Nepermjet kesaj, PACIFIC INDUSTRIAL CO.,LTD. , deklaroj qe ky PMV-C215 eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC.
http://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

WARNING

■ When inspecting or replacing tires

Observe the following precautions to prevent accidents.
Failure to do so may cause damage to parts of the drive train as well as dangerous handling characteristics, which may lead to an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns.
  Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and snow tires.
- Do not use tires that have been used on another vehicle.
  Do not use tires if you do not know how they were used previously.

■ When initializing the tire pressure warning system

Do not initialize the tire pressure warning system 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

■ **Repairing or replacing tires, wheels, tire pressure warning valve and transmitters and tire valve caps**

- When removing or fitting the wheels, tires or the tire pressure warning valve and transmitters, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as the tire pressure warning valve 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 may enter the valves of the tire pressure warning valve and transmitters and the valves may become stuck.
- When replacing tire valve caps, do not replace them with metal caps or any tire valve caps other than specified, as they may become stuck.

■ **To avoid damage to the tire pressure warning valve and transmitters**

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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. (→P. 481)

■ **Driving on rough roads**

Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

■ **Low profile tires (vehicles with 18-inch wheels)**

Low profile tires may cause greater damage than usual to the tire wheel when sustaining impact from the road surface. Therefore, pay attention to the following:

- Be sure to use proper tire inflation pressure. If tires are under-inflated, they may be damaged more severely.
- Avoid potholes, uneven pavement, curbs and other road hazards. Failure to do so may lead to severe tire and wheel damage.

■ **If tire inflation pressure of each tire becomes low while driving**

Do not continue driving, or your tires and/or wheels may be ruined.

Tire inflation pressure

Make sure to maintain proper tire inflation pressure. Tire inflation pressure should be checked at least once per month. However, Toyota recommends that tire inflation pressure be checked once every two weeks. (→P. 604)

Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel economy
- Reduced driving comfort and poor handling
- Reduced tire life due to wear
- Reduced safety
- Damage to the drivetrain

If a tire needs frequent inflating, have it checked by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.
  If your vehicle has been parked for at least 3 hours or has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.
  It is difficult to judge if a tire is properly inflated based only on its appearance.
- It is normal for the tire inflation pressure to be higher after driving as heat is generated in the tire. Do not reduce tire inflation pressure after driving.
- Passengers and luggage weight should be placed so that the vehicle is balanced.

WARNING

■ Proper inflation is critical to save tire performance

Keep your tires properly inflated.
If the tires are not properly inflated, the following conditions may occur which could lead to an accident resulting in death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges on the road, etc.)

NOTICE

■ When inspecting and adjusting tire inflation pressure

Be sure to put the tire valve caps back on.
If a valve cap is not installed, dirt or moisture may get into the valve and cause an air leak, resulting in decreased tire inflation pressure.

Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause a loss of handling control.

Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width and inset*.

Replacement wheels are available at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

*: Conventionally referred to as “offset”.

Toyota does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

Aluminum wheel precautions

- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

When replacing wheels

The wheels of your vehicle are equipped with tire pressure warning valve 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 valve and transmitters must be installed.
(→P. 481)

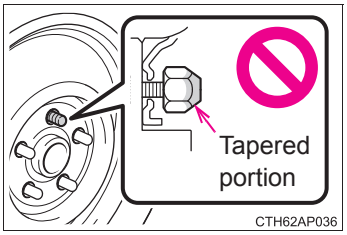
WARNING

■ 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. 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.

NOTICE

■ Replacing tire pressure warning valve and transmitters

- Because tire repair or replacement may affect the tire pressure warning valve and transmitters, make sure to have tires serviced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valve and transmitters at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Ensure that only genuine Toyota wheels are used on your vehicle.
  Tire pressure warning valve and transmitters may not work properly with non-genuine wheels.

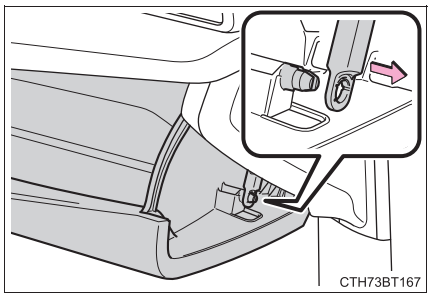
Air conditioning filter

The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

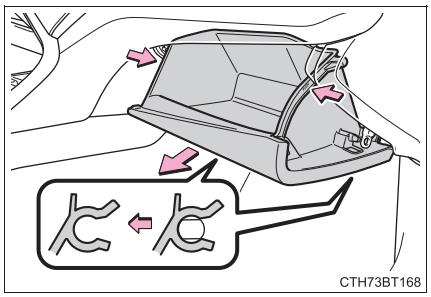
Removal method

1 Turn the power switch off.

2 Open the glove box. Slide off the damper.



3 Push in each side of the glove box to disconnect the upper claws. Then pull out the glove box and disconnect the lower claws.

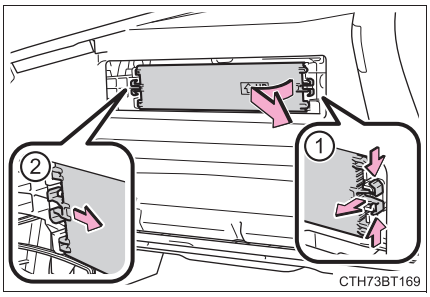


4 Remove the filter cover.

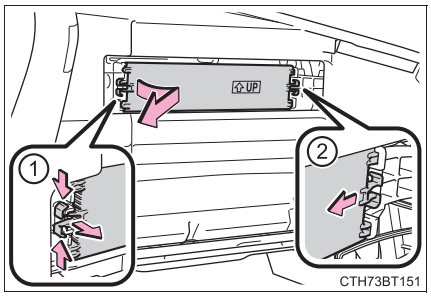
① Unlock the filter cover.

② Move the filter cover in the direction of the arrow, and then pull it out of the claws.

▶ Left-hand drive vehicles

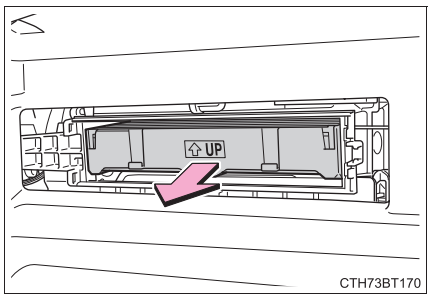


▶ Right-hand drive vehicles



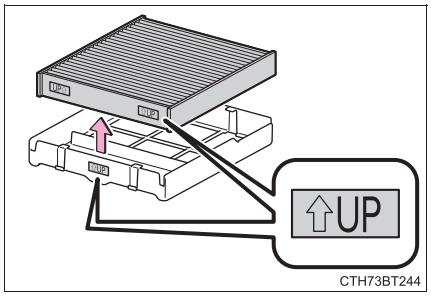
5 Remove the filter case.

There may be foreign objects on top of the air conditioning filter.



6 Remove the air conditioning filter from the filter case and replace it with a new one.

The "↑UP" marks shown on the filter and the filter case should be pointing up.



■ **Checking interval**

Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required. (For scheduled maintenance information, please refer to the “Toyota Service Booklet” or “Toyota Warranty Booklet”.)

■ **If air flow from the vents decreases dramatically**

The filter may be clogged. Check the filter and replace if necessary.

■ **Air conditioning filter with deodorizing function**

When fragrances are placed in your vehicle, the deodorizing effect may become significantly weakened in a short period.

When an air conditioning odor comes out continuously, replace the air conditioning filter.

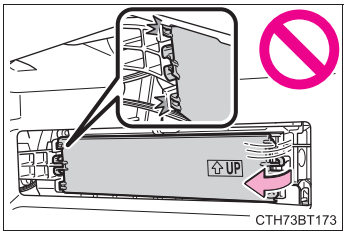
⚠ NOTICE

■ **When using the air conditioning system**

Make sure that a filter is always installed.
Using the air conditioning system without a filter may cause damage to the system.

■ **To prevent damage to the filter cover**

When moving the filter cover in the direction of arrow to release the fitting, pay attention not to apply excessive force to the claws. Otherwise, the claws may be damaged.



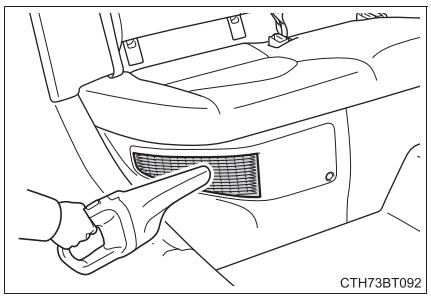
Cleaning the hybrid battery (traction battery) air intake vent and filter

To prevent the fuel economy from being affected, visually inspect the hybrid battery (traction battery) air intake vent periodically for dust and clogs. If it is dusty or clogged or if "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" is displayed on the multi-information display, clean the air intake vent using the following procedures:

Cleaning the air intake vent

Remove the dust from the air intake vent with a vacuum cleaner, etc.

Make sure to only use a vacuum to suck out dust and clogs. Attempting to blow out dust and clogs using an airgun, etc. may push it into the air intake vent. (→P. 506)

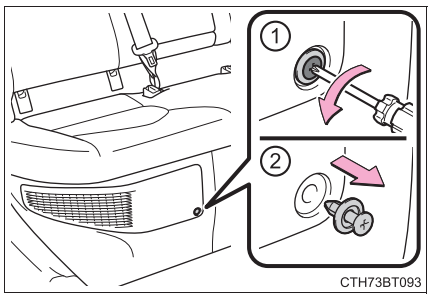

CTH73BT092

If dust and clogs cannot be completely removed

If dust and clogs cannot be completely removed with the air intake vent cover installed, remove the cover and clean the filter.

1 Turn the power switch off.

2 Using a Phillips screwdriver, remove the clip.

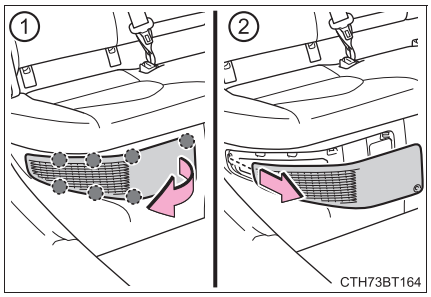


CTH73BT093

3 Remove the air intake vent cover.

① Pull the cover as shown in the illustration to disengage the 7 claws, starting from the claw in the upper right corner.

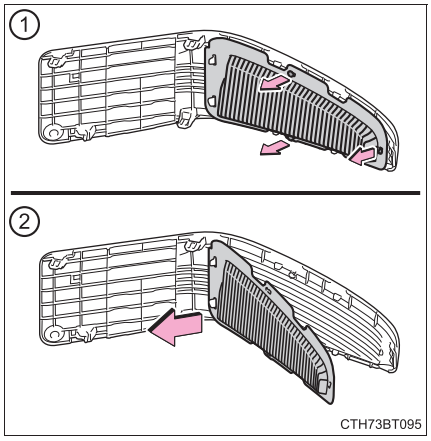
② Pull the cover toward the front of the vehicle to remove it.



4 Remove the air intake vent filter.

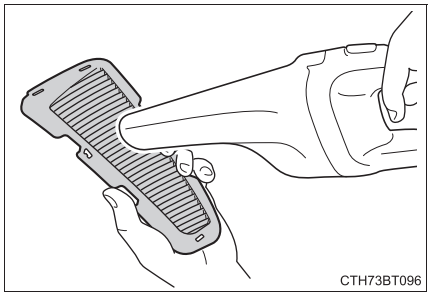
① Disengage the 3 claws as shown in the illustration.

② Remove the filter from the cover.



5 Remove the dust and clogs from the filter using a vacuum cleaner, etc.

Make sure to also remove the dust and clogs from the inside of the air intake vent cover.

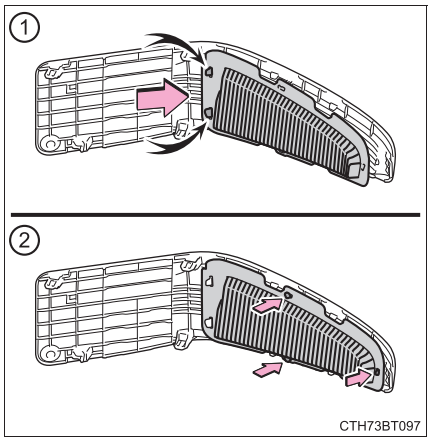


6 Reinstall the filter to the cover.

① Engage the filter to the 2 claws as shown in the illustration.

② Engage the 3 claws to install the filter.

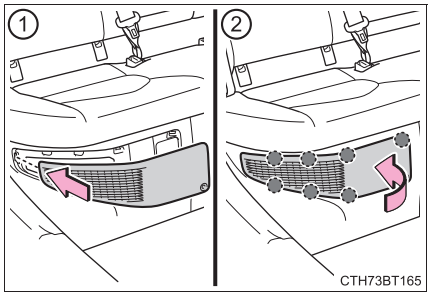
Make sure that the filter is not crooked or deformed when installing it.



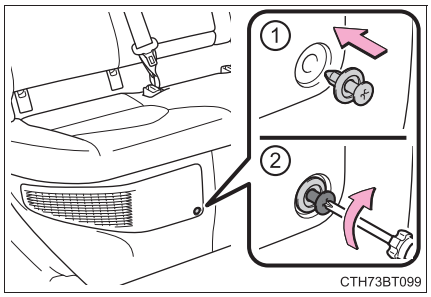
7 Install the air intake vent cover.

① Insert the tab of the cover as shown in the illustration.

② Push the cover to engage the 7 claws.



8 Using a Phillips screwdriver, install the clip.



■ **Scheduled maintenance of the air intake vent is necessary when**

In some situations such as when the vehicle is used frequently or in heavy traffic or dusty areas, the air intake vent may need to be cleaned more regularly. For details, refer to “Toyota Service Booklet” or “Toyota Warranty Booklet”.

■ **Cleaning the air intake vent**

- Dust in the air intake vent may interfere with the cooling of the hybrid battery (traction battery). If charging/discharging of the hybrid battery (traction battery) becomes limited, the distance that the vehicle can be driven using the electric motor (traction motor) may be reduced and the fuel economy may be reduced.
  Inspect and clean the air intake vent periodically.
- Improper handling of the air intake vent cover and filter may result in damage to them. If you have any concerns about cleaning the filter, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If “Maintenance Required for Traction Battery Cooling Parts See Owner's Manual” is displayed on the multi-information display**

- If this warning message is displayed on the multi-information display, remove the air intake vent cover and clean the filter. (→P. 502)
- After cleaning the air intake vent, start the hybrid system and check that the warning message is no longer displayed.
  After the hybrid system is started, it may be necessary to drive the vehicle up to approximately 20 minutes before the warning message disappears. If the warning message does not disappear after driving for appropriately 20 minutes, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

⚠ WARNING

■ **When cleaning the air intake vent**

- Do not use water or other liquids to clean the air intake vent. If water is applied to the hybrid battery (traction battery) or other components, a malfunction or fire may occur.
- Before cleaning the air intake vent, make sure to turn the power switch off to stop the hybrid system.

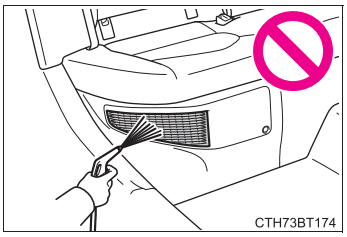
■ **When removing the air intake vent cover**

Do not touch the service plug located near the air intake vent. (→P. 108)

NOTICE

When cleaning the air intake vent

When cleaning the air intake vent, make sure to only use a vacuum to suck out dust and clogs. If a compressed air blow gun, etc. is used to blow out dust and clogs, the dust or clogs may be pushed into the air intake vent, which may affect the performance of the hybrid battery (traction battery) and cause a malfunction.



To prevent damage to the vehicle

- Do not allow water or foreign matter to enter the air intake vent when the cover is removed.
- Carefully handle the removed filter so that it will not be damaged.
  If the filter is damaged, have it replaced with a new filter by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Make sure to reinstall the filter and cover to their original positions after cleaning.
- Do not install anything to the air intake vent other than the exclusive filter for this vehicle or use the vehicle without the filter installed.

If “Maintenance Required for Traction Battery Cooling Parts See Owner's Manual” is displayed on the multi-information display

If the vehicle is continuously driven with the warning message (indicating that charging/discharging of the hybrid battery (traction battery) may become limited) displayed, the hybrid battery (traction battery) may malfunction. If a warning message is displayed, clean the air intake vent immediately.

Electronic key battery

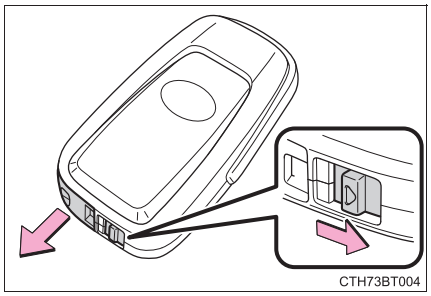
Replace the battery with a new one if it is depleted.

You will need the following items:

- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery CR2032

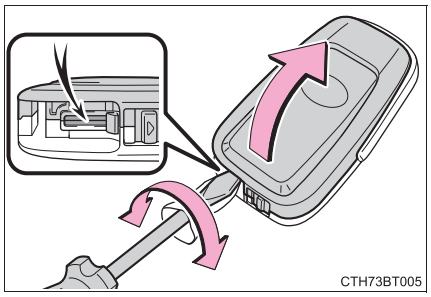
Replacing the battery

1 Release the lock and remove the mechanical key.



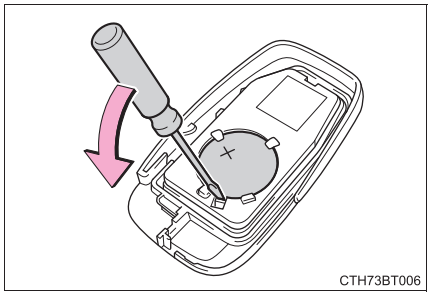
2 Remove the key cover.

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



3 Remove the depleted battery using a small flathead screwdriver.

When removing the cover, the electronic key module may stick to the cover and the battery may not be visible. In this case, remove the electronic key module in order to remove the battery.



Insert a new battery with the “+” terminal facing up.

4 When installing the key cover and mechanical key, install by conducting 2 and 1 with the directions reversed.

5 Operate the or switch and check that the doors can be locked/unlocked.

When replacing the key battery

Be careful not to lose the battery or any other small parts.

Use a CR2032 lithium battery

- Batteries can be purchased at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer, 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.

If the key battery is depleted

The following symptoms may occur:

- The smart entry & start system and wireless remote control will not function properly.
- The operational range will be reduced.

WARNING

Removed battery and other parts

These parts are small and if swallowed by a child, they can cause choking. Keep away from children. Failure to do so could result in death or serious injury.

Certification for the lithium battery

CAUTION:
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

NOTICE

For normal operation after replacing the battery

Observe the following precautions to prevent accidents:

- Always work with dry hands.
  Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.
- Do not bend either of the battery terminals.

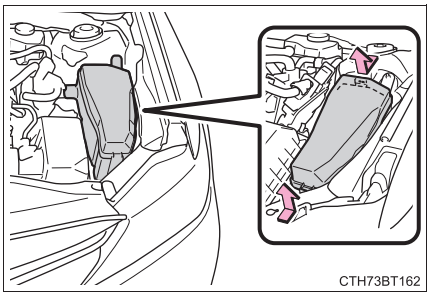
Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

1 Turn the power switch off.

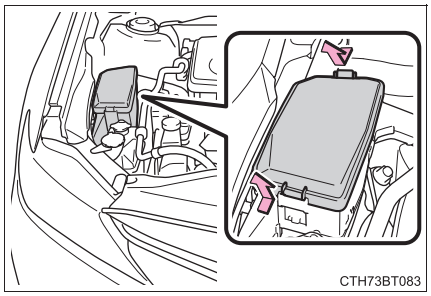
2 Open the fuse box cover.

▶ Engine compartment (type A)



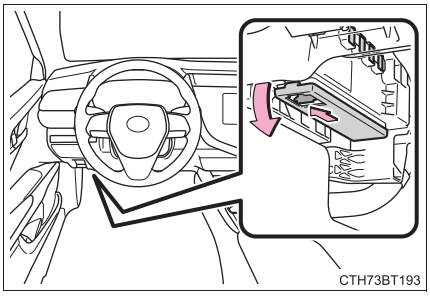
Push the tabs in and lift the lid off.

▶ Engine compartment (type B)



Push the tabs in and lift the lid off.

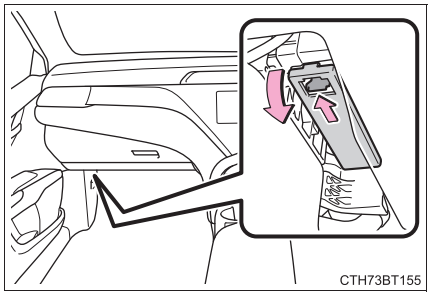
▶ Under the driver's side instrument panel (left-hand drive vehicles)



Remove the lid.

Make sure to push the claw when removing/installing the lid.

▶ Under the passenger's side instrument panel (right-hand drive vehicles)

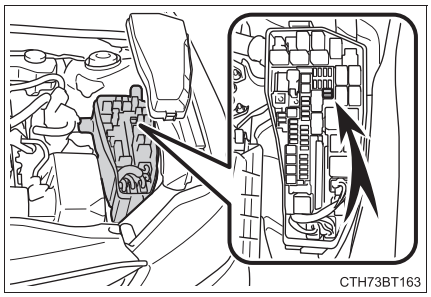


Remove the lid.

Make sure to push the claw when removing/installing the lid.

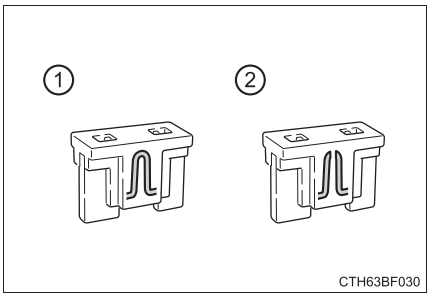
3 Remove the fuse with the pull-out tool.

Only type A fuses can be removed using the pullout tool.

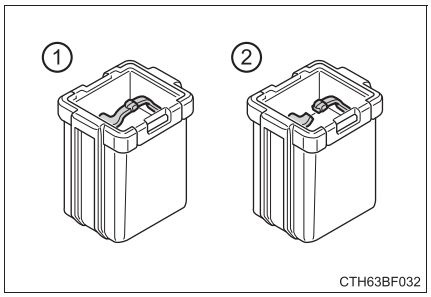


4 Check if the fuse is blown.

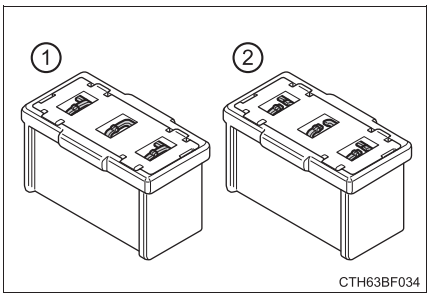
▶ Type A



▶ Type B



▶ Type C



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.

■ **After a fuse is replaced**

- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P. 512)
- If the replaced fuse blows again, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If there is an overload in a circuit**

The fuses are designed to blow, protecting the wiring harness from damage.

WARNING

■ **To prevent system breakdowns and vehicle fire**

Observe the following precautions.
Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
  Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuses or fuse boxes.

NOTICE

■ **Before replacing fuses**

Have the cause of electrical overload determined and repaired by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Light bulbs

You may replace the following bulbs yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

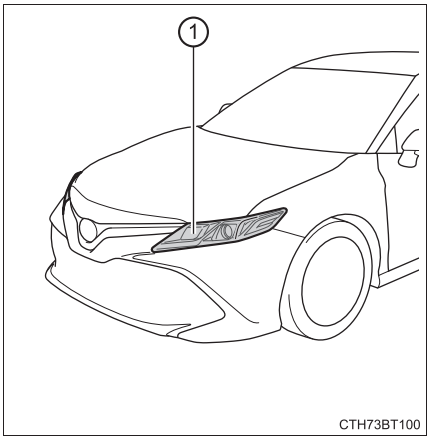
For more information about replacing other light bulbs, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P. 606)

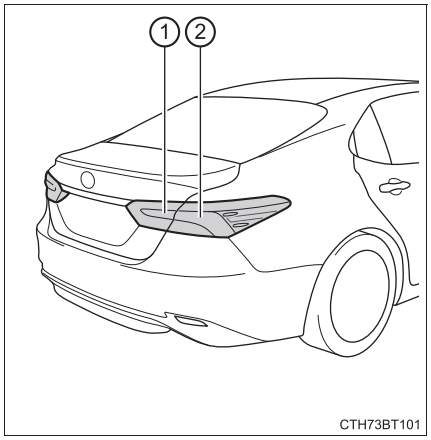
Bulb locations

▶ Front



① Front turn signal lights (bulb type)

▶ Rear



① Back-up lights (bulb type)

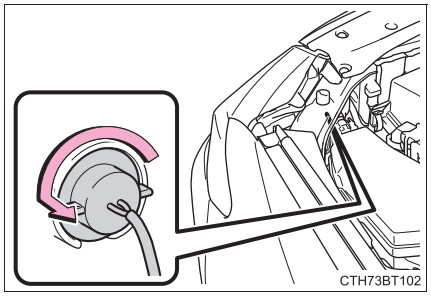
② Rear turn signal lights (bulb type)

Replacing light bulbs

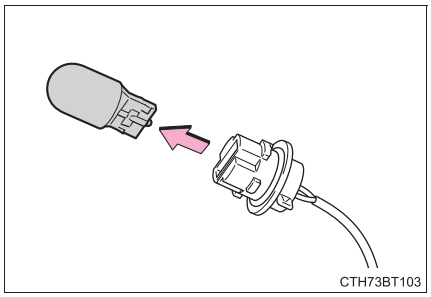
■ Front turn signal lights (bulb type)

1 Turn the bulb base counterclockwise.

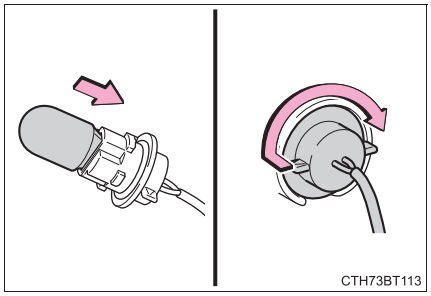
The shape of the bulb base may be different than shown depending on the intended destination of the vehicle.



2 Remove the light bulb.

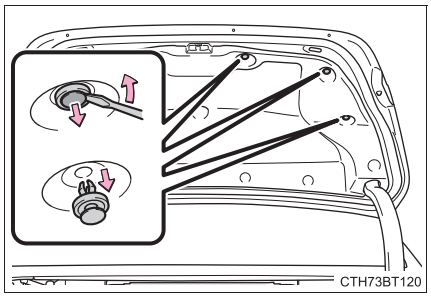


3 Install a new light bulb and then install the bulb base to the light unit by inserting it and turning it clockwise.

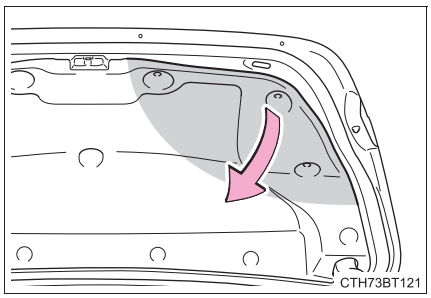


■ **Back-up lights (bulb type)**

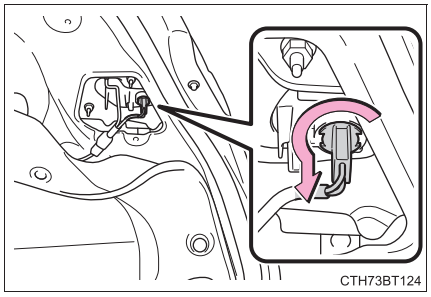
1 Open the trunk lid and remove the clips.



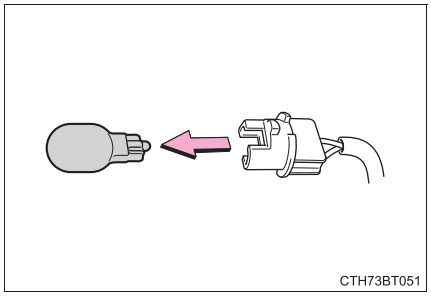
2 Partly remove the trunk lid cover.



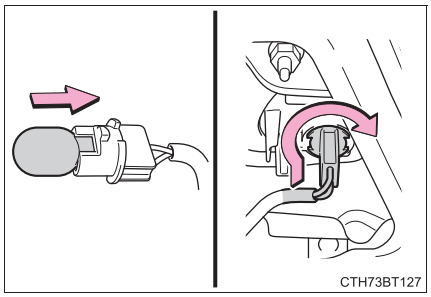
3 Turn the bulb base counterclockwise.



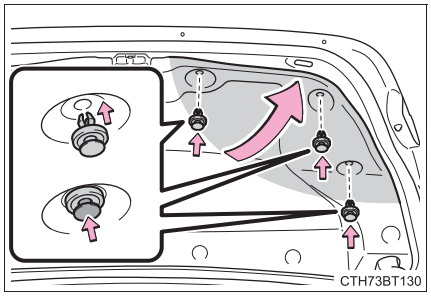
4 Remove the light bulb.



5 Install a new light bulb and then install the bulb base to the light unit by inserting it and turning it clockwise.



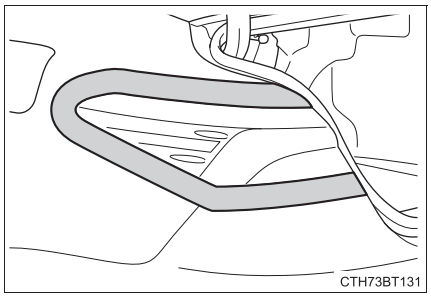
6 Reinstall the trunk lid cover with the clips.



■ Rear turn signal lights (bulb type)

1 Open the trunk and apply protective tape to the vehicle body around the light unit.

Use masking tape, etc. Do not use duct tape, as it may leave residue or damage the paint when removed.

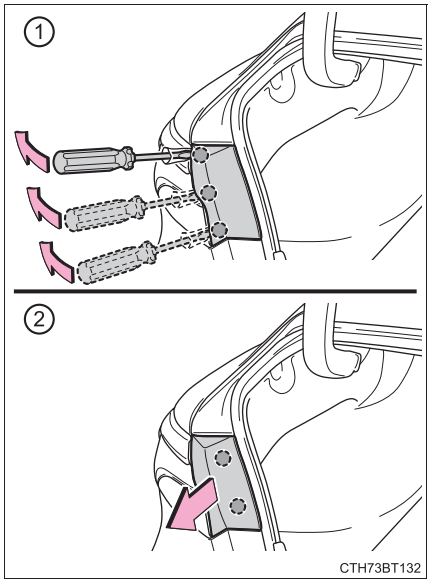


2 Remove the cover.

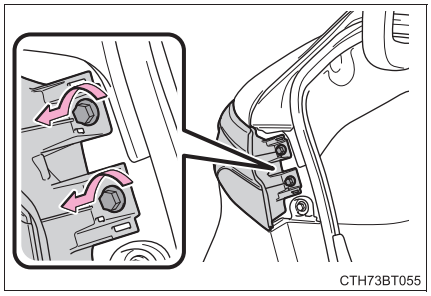
① Insert a flathead screwdriver between the cover and the light unit and pry up the cover in several positions as shown in the illustration to disengage the claws (indicated by a dotted line).

② Pull the cover toward the rear of the vehicle to disengage the claws (indicated by a dotted line) and remove the cover.

To prevent scratching the vehicle, wrap the tip of the flathead screwdriver with a cloth, etc.



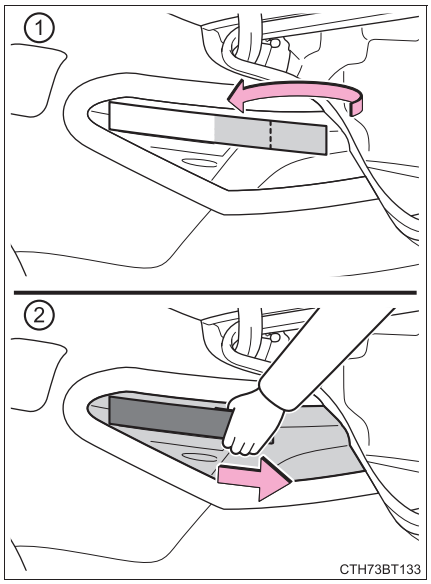
3 Remove the 2 bolts.



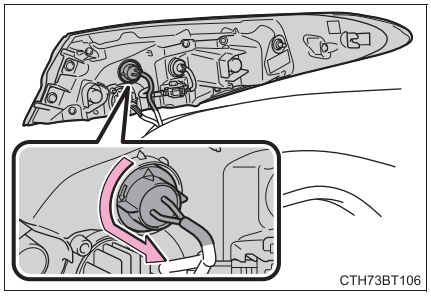
4 Remove the light unit.

① Attach a long piece of packing tape to the light unit and fold the excess in half.

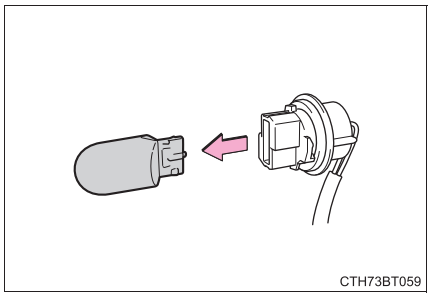
② Hold the folded portion and pull it toward the rear of the vehicle to remove the light unit.



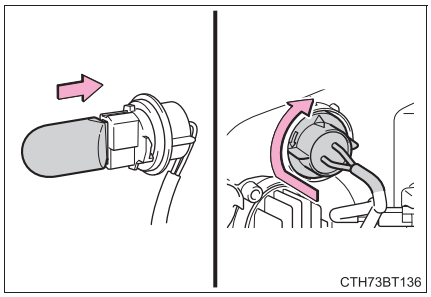
5 Turn the bulb base counterclockwise.



6 Remove the light bulb.

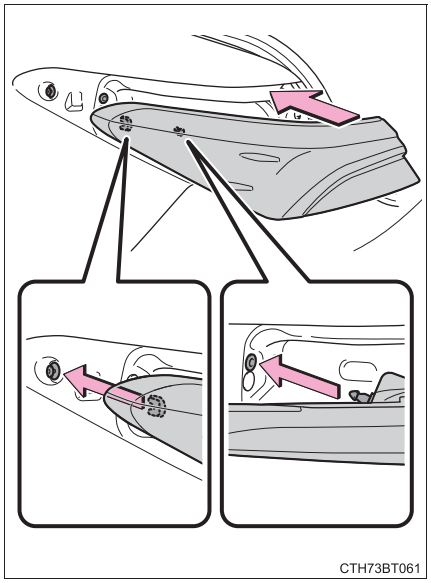


7 Install a new light bulb and then install the bulb base to the light unit by inserting it and turning it clockwise.

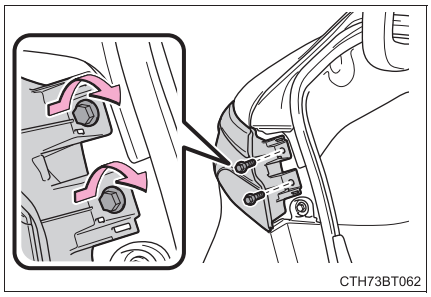


8 Install the light unit.

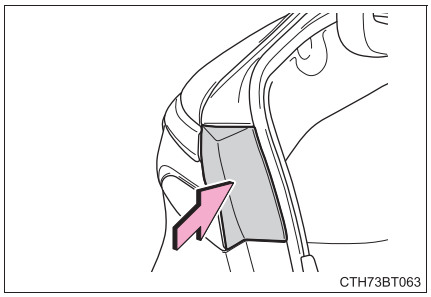
Align the tabs and push the light unit toward the front of the vehicle to install it.



9 Install the 2 bolts.



10 Install the cover.



11 Remove the protective tape.

■ **Replacing the following bulbs**

If any of the lights listed below has burnt out, have it replaced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- Headlights
- Daytime running lights/front position lights
- Front turn signal lights (LED type)
- Front fog lights (if equipped)
- Side turn signal lights
- Tail lights
- Rear side marker lights
- Stoplights
- Rear turn signal lights (LED type)
- Back-up lights (LED type)
- Rear fog light
- High mounted stoplight
- License plate lights

■ **LED light bulbs**

The lights other than the front turn signal lights (bulb type), back-up lights (bulb type) and rear turn signal lights (bulb type) consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer 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.

⚠ WARNING

■ **Replacing light bulbs**

- Turn off the lights. Do not attempt to replace the bulb immediately after turning off the lights.
  The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. When it is unavoidable to hold the glass portion, use and hold with a clean dry cloth to avoid getting moisture and oils on the bulb.
  Also, if the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failure to do so may result in heat damage, fire, or water entering the headlight unit. This may damage the headlights or cause condensation to build up on the lens.

■ **To prevent damage or fire**

Make sure bulbs are fully seated and locked.

When trouble arises 7

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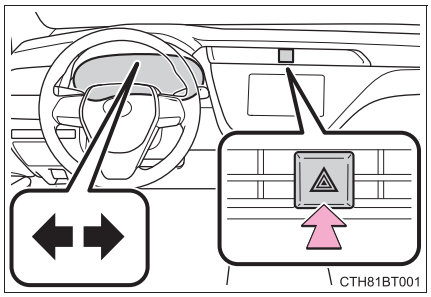
If the vehicle becomes stuck.....592

Emergency flashers

The emergency flashers are used to warn other drivers when the vehicle has to be stopped on the road due to a breakdown, etc.

Press the switch.

All the turn signal lights will flash. To turn them off, press the switch once again.



Emergency flashers

If the emergency flashers are used for a long time while the hybrid system is not operating (while the “READY” indicator is not illuminated), the 12-volt battery may discharge.

If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

2 Shift the shift lever to N.

▶ If the shift lever is shifted to N

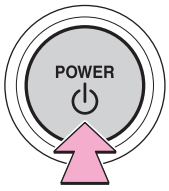
3 After slowing down, stop the vehicle in a safe place by the road.

4 Stop the hybrid system.

▶ If the shift lever cannot be shifted to N

3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.

4 To stop the hybrid system, press and hold the power switch for 2 consecutive seconds or more, or press it briefly 3 times or more in succession.



Press and hold for 2 seconds or more, or press briefly 3 times or more

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5 Stop the vehicle in a safe place by the road.

WARNING

■ If the hybrid system has to be turned off while driving

Power assist for the steering wheel will be lost, making the steering wheel heavier to turn. Decelerate as much as possible before turning off the hybrid system.

If the vehicle is trapped in rising water

In the event the vehicle is submerged in water, remain calm and perform the following.

- Remove the seat belt first.
- If the door can be opened, open the door and exit the vehicle.
- If the door cannot be opened, open the window using the power window switch and exit the vehicle through the window.
- If the window cannot be opened using the power window switch, remain calm, wait until the water level inside the vehicle rises to the point that the water pressure inside of the vehicle equals the water pressure outside of the vehicle, and then open the door and exit the vehicle.

WARNING

■ Using an emergency hammer* for emergency escape

The front side windows and rear side windows, as well as the rear window can be shattered with an emergency hammer* used for emergency escape. However, an emergency hammer* cannot shatter the windshield as it is laminated glass.

*: Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or aftermarket accessory manufacturer for further information about an emergency hammer.

■ Escaping the vehicle from the window

There are cases where escaping the vehicle from the window is not possible due to seating position, passenger body type, etc.
When using an emergency hammer, consider your seat location and the size of the window opening to ensure that the opening is accessible and large enough to escape.

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer 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.

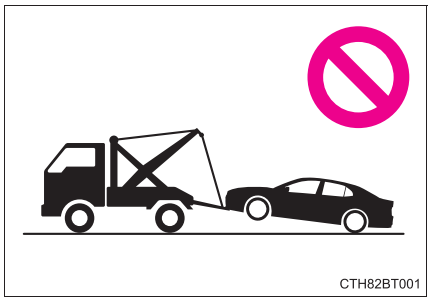
Situations when it is necessary to contact dealers before towing

The following may indicate a problem with your transmission. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or commercial towing service before towing.

- A warning message for the hybrid system is shown on the multi-information display and the vehicle does not move.
- The vehicle makes an abnormal sound.

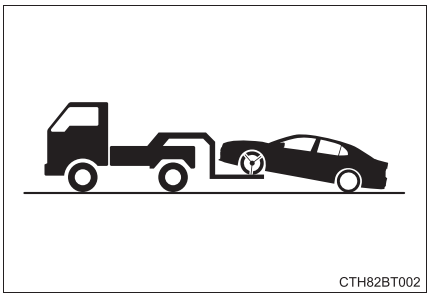
Towing with a sling-type truck

Do not tow with a sling-type truck to prevent body damage.


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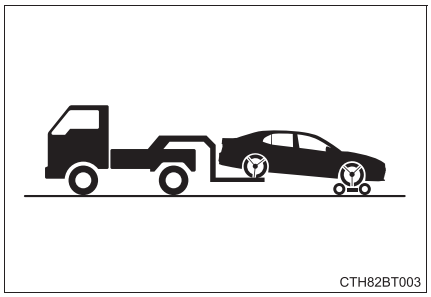
Towing with a wheel-lift type truck

▶ From the front



Release the parking brake.

▶ From the rear

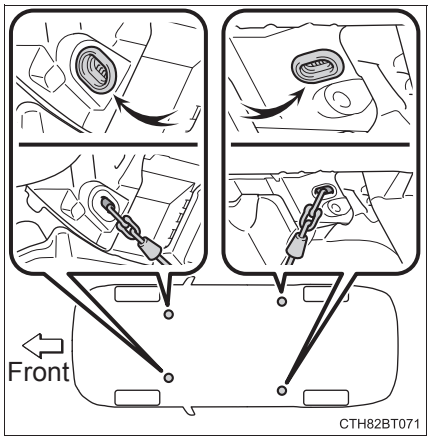


Use a towing dolly under the front wheels.

Using a flatbed truck

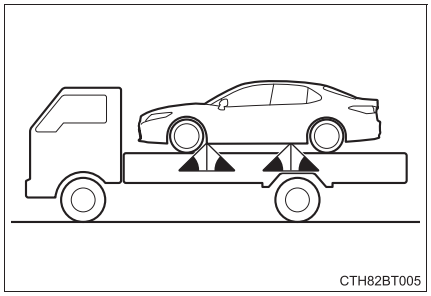
If your vehicle is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.

Covers are installed to the tie-down holes. After transporting the vehicle, make sure to reinstall the covers to the holes.



If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.

Do not overly tighten the tie downs or the vehicle may be damaged.



Emergency towing

If a tow truck is not available in an emergency, your vehicle may be temporarily towed using cables or chains secured to the emergency towing eyelets. This should only be attempted on hard surfaced roads for short distance at under 30 km/h (18 mph).

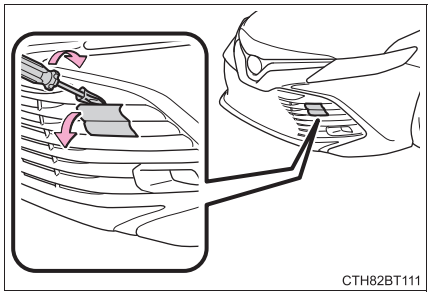
A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.

Emergency towing procedure

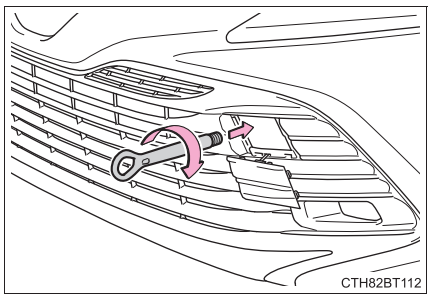
1 Take out the towing eyelet. (→P. 546, 562)

2 Remove the eyelet cover using a flathead screwdriver.

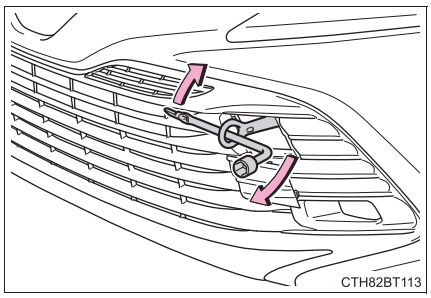
To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.



3 Insert the towing eyelet into the hole and tighten partially by hand.



4 Tighten down the towing eyelet securely using a wheel nut wrench or hard metal bar.



5 Securely attach cables or chains to the towing eyelet.

Take care not to damage the vehicle body.

6 Enter the vehicle being towed and start the hybrid system.

If the hybrid system does not start, turn the power switch to ON mode.

7 Shift the shift lever to N and release the parking brake.

When the shift lever cannot be shifted: →P. 265

While towing

If the hybrid system is off, the power assist for the brakes and steering will not function, making steering and braking more difficult.

Wheel nut wrench

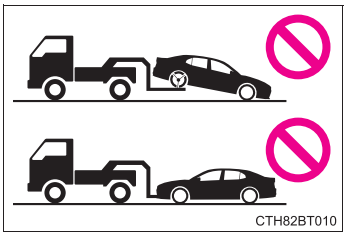
Wheel nut wrench is installed in the trunk. (→P. 546, 562)

WARNING

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

When towing the vehicle

Be sure to transport the vehicle with the front wheels raised or with all four wheels raised off the ground. If the vehicle is towed with the front wheels contacting the ground, the drivetrain and related parts may be damaged or electricity generated by the operation of the motor may cause a fire to occur depending on the nature of the damage or malfunction.



While towing

- When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing eyelets, cables or chains. The towing eyelets, cables or chains may become damaged, broken debris may hit people, and cause serious damage.
- Do not turn the power switch off.
  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 when towing using a wheel-lift type truck**

- Do not tow the vehicle from the rear when the power switch is off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

■ **To prevent damage to the vehicle when towing with a sling-type truck**

Do not tow with a sling-type truck, either from the front or rear.

■ **To prevent damage to the vehicle during emergency towing**

Do not secure cables or chains to the suspension components.

If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Visible symptoms

- Fluid leaks under the vehicle.
  (Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- Engine coolant temperature gauge needle continually points higher than normal

Audible symptoms

- Changes in exhaust sound
- Excessive tire squeal when cornering
- Strange noises related to the suspension system
- Pinging or other noises related to the hybrid system

Operational symptoms

- Engine missing, stumbling or running roughly
- Appreciable loss of power
- Vehicle pulls heavily to one side when braking
- Vehicle pulls heavily to one side when driving on a level road
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

If a warning light turns on or a warning buzzer sounds

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Warning light and warning buzzer list

Warning light	Warning light/Details/Actions
 (Red)	**Brake system warning light** Indicates that: • The brake fluid level is low; or • The brake system is malfunctioning → **Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Continuing to drive the vehicle may be dangerous.**
 (Yellow)	**Brake system warning light** Indicates a malfunction in: • The regenerative braking system; • The electronically controlled brake system; or • The electric parking brake → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
	**Malfunction indicator lamp** Indicates a malfunction in: • The hybrid system; • The electronic engine control system; or • The electronic throttle control system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**

Warning light	Warning light/Details/Actions
	**SRS warning light** Indicates a malfunction in: • The SRS airbag system; or • The seat belt pretensioner system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
	**ABS warning light** Indicates a malfunction in: • The ABS; or • The brake assist system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (Flashes)	**Parking brake indicator (warning buzzer)*1** It is possible that the parking brake is not fully engaged or released → **Operate the parking brake once again.** This light comes on when the parking brake is not released. If the light turns off after the parking brake is fully released, the system is operating normally.
 (Flashes)	**Brake hold operated indicator** Indicates a malfunction in the brake hold system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (Red/yellow)	**Electric power steering system warning light (warning buzzer)** Indicates a malfunction in the EPS (Electric Power Steering) system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
 (Yellow)	**LDA (Lane Departure Alert) indicator** Indicates a malfunction in the LDA → **When "Lane Departure Alert Unavailable" is displayed on the multi-information display, turn the LDA system off, drive the vehicle for a short time, and then turn the LDA system back on. (→P. 322)** **When a message other than above is displayed, follow the instructions displayed in the message.**

Warning light	Warning light/Details/Actions
 (Flashes or illuminates)	**PCS warning light** Indicates a malfunction in the PCS (Pre-Collision System) or that the system is temporarily unavailable due to the vehicle being extremely hot/cold, or dirt around a front sensor, etc. (→P. 317, 538) → **Follow the instructions displayed on the multi-information display. (→P. 317, 538)** If the PCS (Pre-Collision System) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate. → **P. 317**
 (if equipped) (Flashes)	**ICS OFF indicator** When a buzzer sounds: Indicates a malfunction in the Intelligent Clearance Sonar system → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.** When a buzzer does not sound: Indicates that the system is temporarily unavailable, possibly due to a sensor being dirty or covered with ice, etc. → **Clear the dirt, etc.**
	**Slip indicator** Indicates a malfunction in: • The VSC (Vehicle Stability Control) system; • The TRC (Traction Control) system • The ABS; or • The hill-start assist control system The light will flash when the ABS, VSC or TRC system is operating. → **Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.**
	**Low fuel level warning light** Indicates that remaining fuel is approximately 6.7 L (1.8 gal., 1.5 Imp. gal.) or less → **Refuel the vehicle.**

Warning light	Warning light/Details/Actions
	**Driver's and front passenger's seat belt reminder light (warning buzzer)*2** Warns the driver and/or front passenger to fasten their seat belts → **Fasten the seat belt.** **If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) turn off.**
	**Master warning light** A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction. → **P. 538**
	**Tire pressure warning light** Indicates the following: • Low tire pressure due to flat tire; • Low tire pressure due to natural causes; or • The tire pressure warning system is malfunctioning → **Immediately stop the vehicle in a safe place.** **Handling method (→P. 535)**

*1: Parking brake engaged warning buzzer:

A buzzer will sound if the vehicle is driven at a speed of approximately 5 km/h (3 mph) or more.

*2: Driver's and front passenger's seat belt warning buzzer:

The driver's and front passenger's seat belt warning buzzer sounds to alert the driver and front passenger that his or her seat belt is not fastened. The buzzer sounds for 30 seconds after the vehicle reaches a speed of 20 km/h (12 mph). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 90 more seconds.

■ **Front passenger detection sensor, seat belt reminder and warning buzzer**

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash and the warning buzzer to sound even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

■ **If the malfunction indicator lamp comes on while driving**

The malfunction indicator lamp will come on if the fuel tank becomes completely empty. If the fuel tank is empty, refuel the vehicle immediately. The malfunction indicator lamp will go off after several trips.

If the malfunction indicator lamp does not go off, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

■ **Electric power steering system warning light (warning buzzer)**

When the 12-volt battery charge becomes insufficient or the voltage temporarily drops, the electric power steering system warning light may come on and the warning buzzer may sound.

■ **When the tire pressure warning light comes on**

Inspect the tires to check if a tire is punctured.

If a tire is punctured: →P. 544, 561

If none of the tires are punctured:
Turn the power switch off then turn it to ON mode. Check if the tire pressure warning light comes on or blinks.

▶ If the tire pressure warning light comes on

1 After the temperature of the tires has lowered sufficiently, check the inflation pressure of each tire and adjust them to the specified level.

2 If the warning light does not turn off even after several minutes have elapsed, check that the inflation pressure of each tire is at the specified level and perform initialization. (→P. 482)

If the warning light does not turn off several minutes after the initialization has been performed, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

▶ If the tire pressure warning light blinks for 1 minute then stays on

There may be a malfunction in the tire pressure warning system. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

■ **The tire pressure warning light may come on due to natural causes**

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

■ **When a tire is replaced with a spare tire**

Vehicles with a compact spare tire: The compact spare tire is not equipped with a tire pressure warning valve and transmitter. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire has been replaced with the spare tire. Replace the spare tire with the repaired tire and adjust the tire inflation pressure. The tire pressure warning light will go off after a few minutes.

Vehicles with a full-size spare tire: 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.

■ **Conditions that the tire pressure warning system may not function properly**

→P. 485

■ **Warning buzzer**

In some cases, the buzzer may not be heard because of noisy place or an audio sound.

⚠ WARNING

■ **If both the ABS and the brake system warning lights remain on**

Stop your vehicle in a safe place immediately and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. The vehicle will become extremely unstable during braking, and the ABS system may fail, which could cause an accident resulting in death or serious injury.

WARNING

■ **When the electric power steering system warning light comes on**

When the light comes on yellow, the assist to the power steering is restricted. When the light comes on red, the assist to the power steering is lost and handling operations of the steering wheel become extremely heavy.

If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

■ **If the tire pressure warning light comes on**

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- Vehicles with a compact spare tire and full-size spare tire: 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Vehicles with emergency tire puncture repair kit: 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, repair the flat tire by using emergency tire puncture repair kit.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ **If a blowout or sudden air leakage should occur**

The tire pressure warning system may not activate immediately.

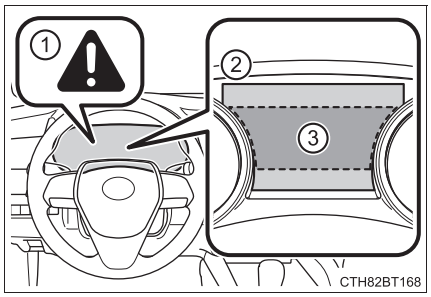
NOTICE

■ **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.

If a warning message is displayed

The multi-information display shows warnings of system malfunctions, incorrectly performed operations, and messages that indicate a need for maintenance. When a message is shown, perform the correction procedure appropriate to the message.



① Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.

② Multi-information display

③ Handling method

Follow the instructions of the message on the multi-information display.

If any of the warning messages are shown again after the appropriate actions have been performed, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

	System warning light	Warning buzzer*	Warning
Comes on	—	Sounds	Indicates an important situation, such as when a system related to driving is malfunctioning or that danger may result if the correction procedure is not performed
—	Comes on or flashes	Sounds	Indicates an important situation, such as when the systems shown on the multi-information display may be malfunctioning
Flashes	—	Sounds	Indicates a situation, such as when damage to the vehicle or danger may result
Comes on	—	Does not sound	Indicates a condition, such as malfunction of electrical components, their condition, or indicates the need for maintenance
Flashes	—	Does not sound	Indicates a situation, such as when an operation has been performed incorrectly, or indicates how to perform an operation correctly

The operation of the warning lights and warning buzzers may differ from those stated. In this case, perform the correction procedure according to the displayed message.

*: A buzzer sounds the first time a message is shown on the multi-information display.

■ **Warning messages**

The warning messages explained below may differ from the actual messages according to operation conditions and vehicle specifications.

■ **System warning lights**

The master warning light does not come on or flash in the following cases. Instead, a separate system warning light will come on along with a message shown on the multi-information display.

- Malfunction in the ABS
  The ABS warning light comes on. (→P. 532)
- Malfunction in the brake system
  The brake system warning light (yellow) comes on. (→P. 531)
- Malfunction in the tire pressure warning system
  The tire pressure warning light comes on. (→P. 534)
- Remaining fuel level is low
  The low fuel level warning light comes on. (→P. 533)

■ **If a message instructing to refer to the Owner's Manual is displayed**

- If the following messages are shown, there may be a malfunction. Immediately stop the vehicle in a safe place and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Continuing to drive the vehicle may be dangerous.
  - "Braking Power Low Stop in a Safe Place See Owner's Manual"
  - "Oil Pressure Low Stop in a Safe Place See Owner's Manual"
  - "Charging System Malfunction Stop in a Safe Place See Owner's Manual"
- If the following message is shown, there may be a malfunction. Immediately have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
  - "Hybrid System Malfunction"
  - "Check Engine"
  - "Hybrid Battery System Malfunction"
  - "Accelerator System Malfunction"
  - "Smart Key System Malfunction See Owner's Manual"
- If "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" is displayed, follow the instructions accordingly. (→P. 587)
- If "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" is displayed, follow the instructions accordingly. (→P. 541)

■ **If "Hybrid System Overheated Output Power Reduced" is shown**

This message may be displayed when driving under severe operating conditions. (For example, when driving up a long steep hill.)

Handling method: →P. 587

■ **If “Maintenance Required for Traction Battery Cooling Parts See Owner's Manual” is shown**

The filter may be clogged, the air intake vent may be blocked or there may be a gap in the duct.

- If the air intake vent or filter is dirty, refer to P. 502 for cleaning the air intake vent and filter.
- If the message is being displayed and the air intake vent and filter are not dirty, have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **If “Traction Battery Needs to be Protected Refrain From the Use of N Position” is shown**

This message may be displayed when the shift lever is in N.
As the hybrid battery (traction battery) cannot be charged when the shift lever is in N, shift the shift lever to P when the vehicle is stopped.

■ **If “Traction Battery Needs to be Protected Shift into P to Restart” is shown**

This message is displayed when the hybrid battery (traction battery) charge has become extremely low because the shift lever has been left in N for a certain amount of time.
When operating the vehicle, shift to P and restart the hybrid system.

■ **If “Shift to P Before Exiting Vehicle” is shown**

Message is displayed when the driver’s door is opened without turning the power switch off with the shift lever in any position other than P.
Shift the shift lever to P.

■ **If “Shift Out of N Release Accelerator Before Shifting” is shown**

Message is displayed when the accelerator pedal has been depressed and the shift lever is in N. Release the accelerator pedal and shift the shift lever to D or R.

■ **If “Press Brake When Vehicle Is Stopped Hybrid System May Overheat” is shown**

Message is displayed when the accelerator pedal is depressed to maintain the vehicle position when stopped on a upward slope, etc.
If this continues, the hybrid system may overheat.
Release the accelerator pedal and depress the brake pedal.

■ **If “Auto Power OFF to Conserve Battery” is displayed**

This message is displayed when the power was cut off due to the automatic power off function.

The next time the hybrid system is started, increase the engine speed slightly and maintain it at that speed for approximately 5 minutes to recharge the 12-volt battery.

■ **If “New Key Registered Contact Your Dealer if You Did Not Register a New Key” is displayed**

This message will be displayed each time the driver’s door is opened when the doors are unlocked from the outside for approximately one week after a new electronic key has been registered.

If this message is displayed but you have not had a new electronic key registered, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer to check if an unknown electronic key (other than those in your possession) has been registered.

■ **When “Headlight System Malfunction Visit Your Dealer” is displayed**

The following systems may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately.

- The LED headlight system
- The automatic headlight leveling system
- Automatic High Beam

■ **If “Front Camera Unavailable” or “Front Camera Temporarily Unavailable See Owner's Manual” is displayed**

The following systems may be suspended until the problem shown in the message is resolved. (→P. 317, 531)

- PCS (Pre-Collision System)
- LDA (Lane Departure Alert with steering control)
- Dynamic radar cruise control with full-speed range
- RSA (Road Sign Assist)
- Automatic High Beam

■ **If “Engine Oil Level Low Add or Replace” is displayed**

The engine oil level may be low. Check the level of the engine oil, and add engine oil if necessary. This message may be displayed if the vehicle is stopped on a slope. Move the vehicle to a level surface and check if the message disappears.

■ **Warning buzzer**

→P. 536

NOTICE

■ It “High Power Consumption Partial Limit on AC/Heater Operation” is frequently shown

There is a possible malfunction relating to the charging system or the 12-volt battery may be deteriorating. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

If you have a flat tire (vehicles with an emergency tire puncture repair kit)

Your vehicle is not equipped with a spare tire, but instead is equipped with an emergency tire puncture repair kit.
A puncture caused by a nail or screw passing through the tire tread can be repaired temporarily with the emergency tire puncture repair kit. (The emergency tire puncture repair kit contains a bottle of sealant. The sealant can be used only once to temporarily repair one tire without removing the nail or screw from the tire.) Depending on the damage, this kit cannot be used to repair the tire. (→P. 545)

After temporarily repairing the tire with the kit, have the tire repaired or replaced by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. Repairs conducted using the emergency tire puncture repair kit are only a temporary measure. Have the tire repaired and replaced as soon as possible.

⚠ WARNING

■ **If you have a flat tire**

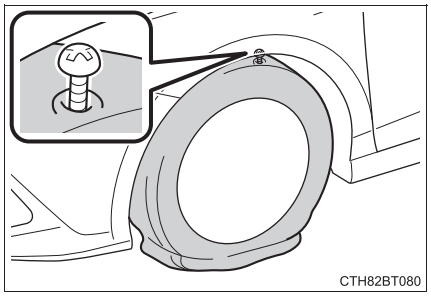
Do not continue driving with a flat tire.

Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Before repairing the tire

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the hybrid system.
- Turn on the emergency flashers. (→P. 522)
- Check the degree of the tire damage.

A tire should only be repaired with the emergency tire puncture repair kit if the damage is caused by a nail or screw passing through the tire tread.



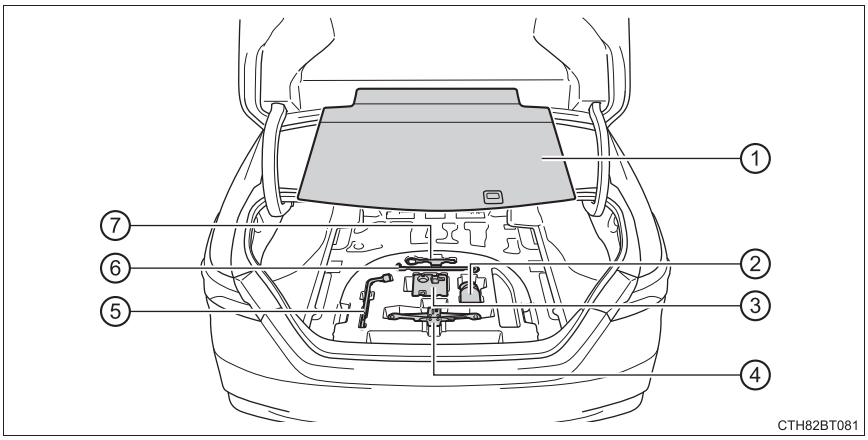
- Do not remove the nail or screw from the tire. Removing the object may widen the opening and disenable emergency repair with the kit.
- To avoid sealant leakage, move the vehicle until the area of the puncture, if known, is positioned at the top of the tire.

A flat tire that cannot be repaired with the emergency tire puncture repair kit

In the following cases, the tire cannot be repaired with the emergency tire puncture repair kit. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

- When the tire is damaged due to driving without sufficient air pressure
- When the tire lost air pressure due to a crack or damage in the tire sidewall
- When the tire is visibly separated from the wheel
- When the cut or damage to the tread is 4 mm (0.16 in.) long or more
- When the wheel is damaged
- When two or more tires have been punctured
- When there is more than one hole or cut in the damaged tire

Location of the emergency tire puncture repair kit, jack and tools



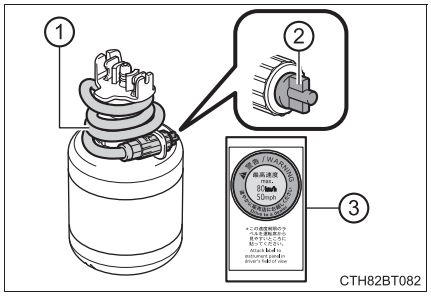
① Luggage floor cover
② Emergency tire puncture repair kit (Bottle)
③ Emergency tire puncture repair kit (Compressor)
④ Jack*
⑤ Wheel nut wrench
⑥ Jack handle
⑦ Towing eyelet

*: Use of the jack (→P. 563, 564)

Emergency tire puncture repair kit components

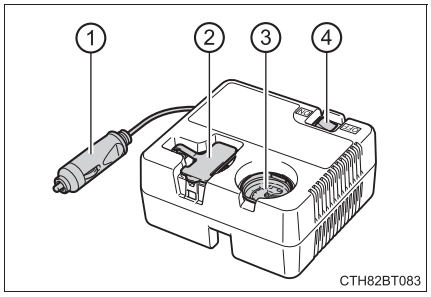
■ Bottle

① Hose
② Air release cap
③ Sticker



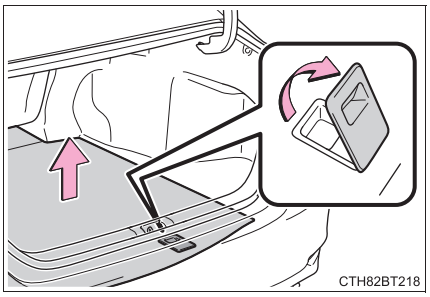
■ Compressor

① Power plug
② Rubber stopper
③ Air pressure gauge
④ Compressor switch

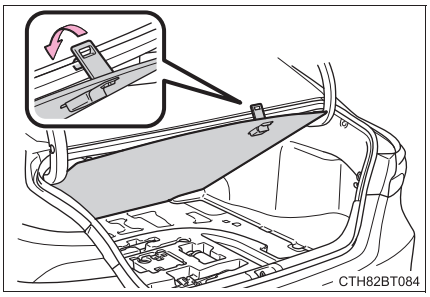


Taking out the emergency tire puncture repair kit

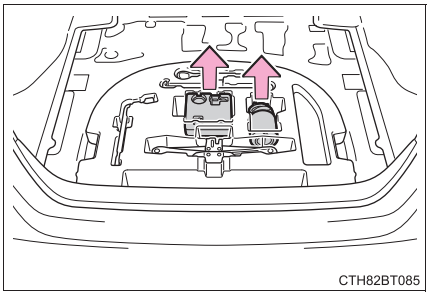
1 Lift up the hook of the luggage floor cover on the trunk floor.



2 Secure the luggage floor cover using the hook provided.

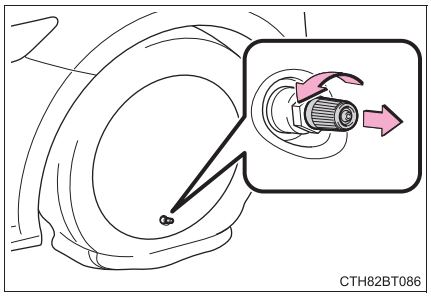


3 Remove the emergency tire puncture repair kit.



Emergency repair method

1 Remove the valve cap from the valve of the punctured tire.

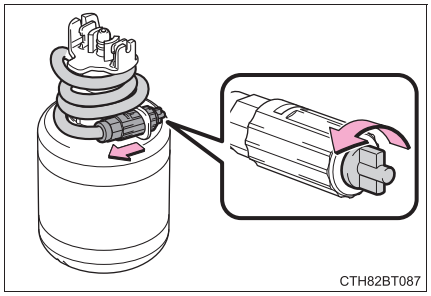


2 Remove the emergency tire puncture repair kit from the plastic bag.

A sticker is included in the plastic bag. Attach the sticker as shown in step 10.

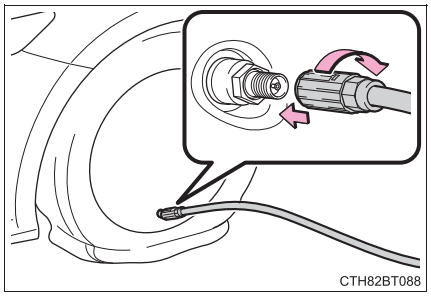
3 Extend the hose. Remove the air release cap from the hose.

You will use the air release cap again. Therefore keep it in a safe place.

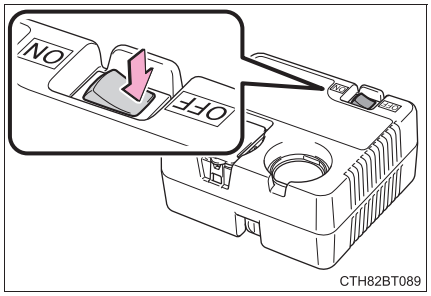


4 Connect the hose to the valve.

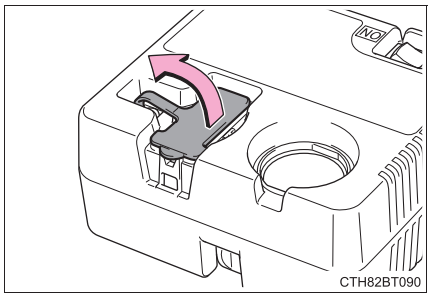
Screw the end of hose clockwise as far as possible.



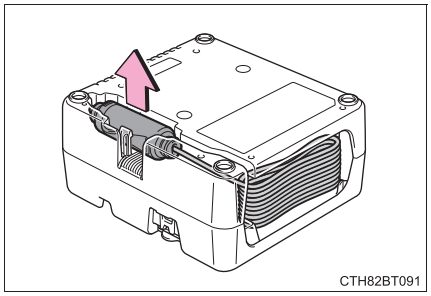
5 Make sure that the compressor switch is off.



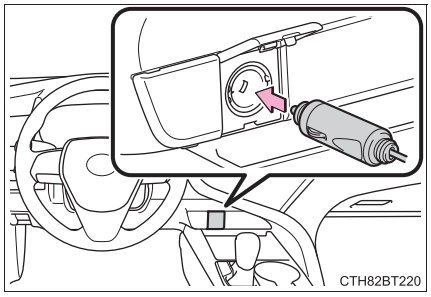
6 Lift the rubber stopper on the compressor.



7 Remove the power plug from the compressor.

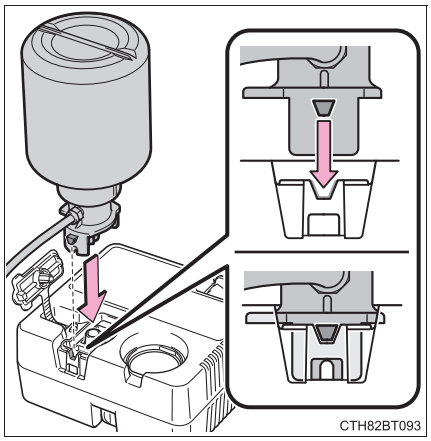


8 Connect the power plug to the power outlet socket. (→P. 438)

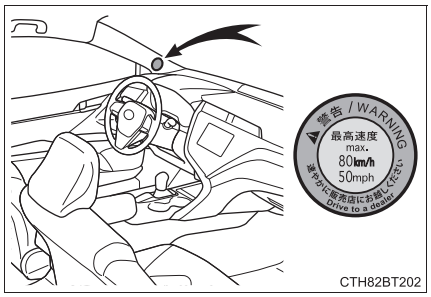


9 Connect the bottle to the compressor.

Make sure that the bottle is securely connected.



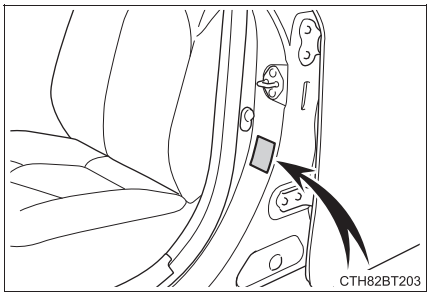
10 Attach the sticker as shown.



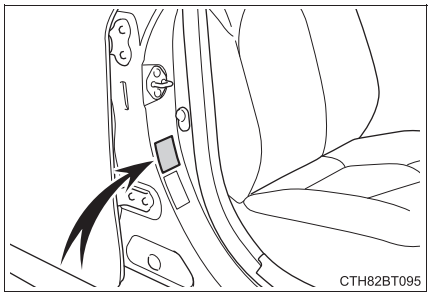
11 Check the specified tire inflation pressure.

Tire inflation pressure is specified on the label as shown. (→P. 604)

▶ Left-hand drive vehicles

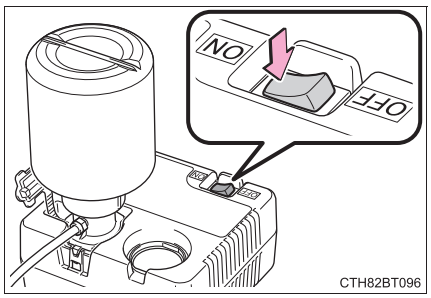


▶ Right-hand drive vehicles

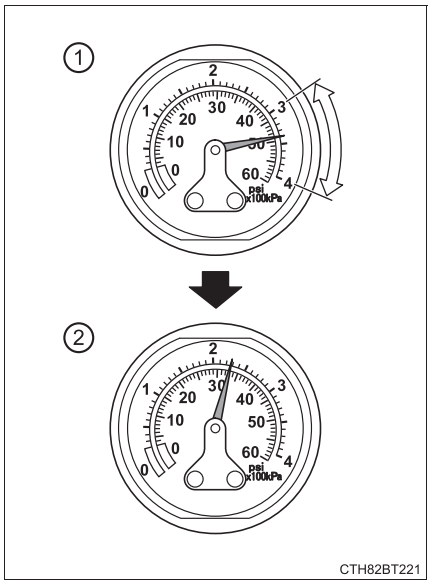


12 Start the hybrid system. (→P. 252)

13 To inject the sealant and inflate the tire, turn the compressor switch on.



14 Inflate the tire until the recommended pressure is reached.



① The sealant will be injected and the pressure will spike to between 300 kPa (3.0 kgf/cm^2 or bar, 44 psi) and 400 kPa (4.0 kgf/cm^2 or bar, 58 psi), then gradually decrease.

② The air pressure gauge will display the actual tire inflation pressure about 1 to 5 minutes after the switch is turned on.

- Turn the compressor switch off and then check the tire inflation pressure. Being careful not to over inflate, check and repeat the inflation procedure until the recommended tire inflation pressure is reached.
- If the tire inflation pressure is still lower than the recommended level after inflation for 25 minutes with the switch on, the tire is too damaged to be repaired. Turn the compressor switch off and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- If the tire inflation pressure exceeds the recommended level, let out some air to adjust the tire inflation pressure. (→P. 556)

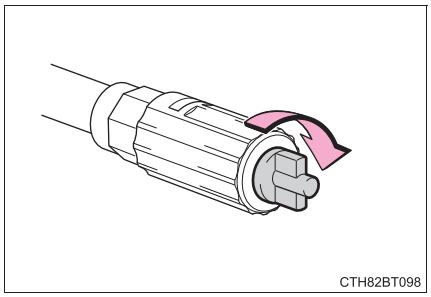
15 With the compressor switch off, disconnect the hose from the valve on the tire and then pull out the power plug from the power outlet socket.

Some sealant may leak when the hose is removed.

16 Install the valve cap onto the valve of the emergency repaired tire.

17 Attach the air release cap to the end of the hose.

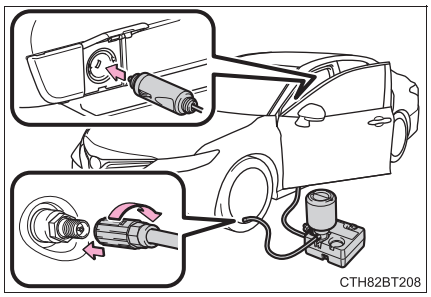
If the air release cap is not attached, the sealant may leak and the vehicle may get dirty.


CTH82BT098

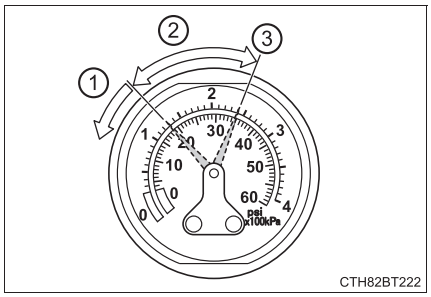
18 Temporarily store the bottle in the luggage compartment while it is connected to the compressor.

19 To spread the liquid sealant evenly within the tire, immediately drive safety for about 5 km (3 miles) below 80 km/h (50 mph).

20 After driving, stop your vehicle in a safe place on a hard, flat surface and reconnect the compressor.


CTH82BT208

21 Turn the compressor switch on and wait for several seconds, then turn it off. Check the tire inflation pressure.



① If the tire inflation pressure is below 130 kPa (1.3 kgf/cm^2 or bar, 19 psi): The puncture cannot be repaired. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

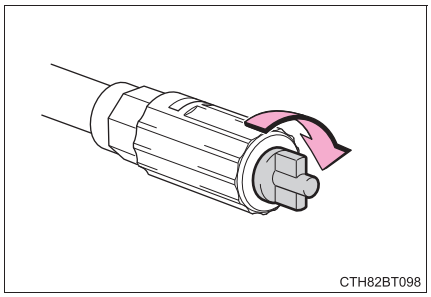
② If the tire inflation pressure is between 130 kPa (1.3 kgf/cm^2 or bar, 19 psi) and a point below the recommended level: The tire can be repaired. Proceed to step 22.

③ If the tire inflation pressure is at the recommended level: Proceed to step 23.

22 Turn the compressor switch on to inflate the tire until the recommended tire inflation pressure is reached. Drive for about 5 km (3 miles) and then perform step 20.

23 Attach the air release cap to the end of the hose.

If the air release cap is not attached, the sealant may leak and the vehicle may get dirty.



24 Store the bottle in the luggage compartment while it is connected to the compressor.

25 Taking precautions to avoid sudden braking, sudden acceleration and sharp turns, drive carefully at under 80 km/h (50 mph) to any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer that is less than 100 km (62 miles) away for tire repair or replacement.

Make sure to tell any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer when you have them repair or replace the tire that sealant is injected.

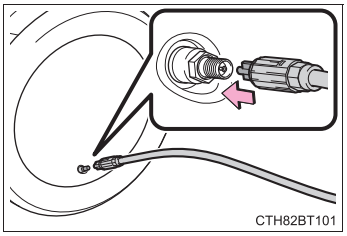
■ **Emergency tire puncture repair kit**

- The sealant stored in the emergency tire puncture repair kit can be used only once to temporarily repair a single tire. If the sealant has been used and needs to be purchased, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. The compressor is reusable.
- The sealant can be used when the outside temperature is from -40°C (-40°F) to 60°C (140°F).
- The kit is exclusively designed for size and type of tires originally installed on your vehicle. Do not use it for tires that a different size than the original ones, or for any other purposes.
- If the sealant gets on your clothes, it may stain.
- If the sealant adheres to a wheel or the surface of the vehicle body, the stain may not be removable if it is not cleaned at once. Immediately wipe away the sealant with a wet cloth.
- During operation of the kit, a loud operation noise is produced. This does not indicate a malfunction.
- Do not use to check or to adjust the tire pressure.

■ **If the tire is inflated to more than the recommended level**

1 Disconnect the hose from the valve.

2 Install the air release cap to the end of the hose and push the protrusion on the air release cap into the valve to let some air out.



3 Disconnect the hose from the valve, remove the air release cap from the hose and then reconnect the hose.

4 Turn the compressor switch on and wait for several seconds, then turn it off. Check the tire inflation pressure.
If the air pressure is lower than the recommended level, turn the compressor switch on again and repeat the inflation procedure until the recommended pressure is reached.

■ **After a tire repaired with the emergency tire puncture repair kit**

- The tire pressure warning valve and transmitter should be replaced.
- Even if the tire inflation pressure is at the recommended level, the tire pressure warning light may come on/flash.

■ **Note for checking the emergency tire puncture repair kit**

- Check the sealant expiry date occasionally. The expiry date is shown on the bottle.
- Do not use sealant whose expiry date has already passed. Otherwise, repairs conducted using the emergency tire puncture repair kit may not be performed properly.
- The sealant should be replaced before the expiry date. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for replacement.

WARNING

■ **Caution while driving**

Observe the following precautions.
Failure to do so may cause an accident.

- Store the emergency tire puncture repair kit in the luggage compartment. Injuries may result in the event of an accident or sudden braking.
- The emergency tire puncture repair kit is made exclusively for your vehicle. Do not use it on other vehicles, which could lead to an accident causing death or serious injury.
- Do not use the emergency tire puncture repair kit for tires that are different sizes than the specified ones or for any other purpose. If the tires have not been completely repaired, it could lead to an accident causing death or serious injury.

■ **Precautions for use of the sealant**

- Ingesting the sealant is hazardous to your health. If you ingest sealant, consume as much water as possible, and then immediately consult a doctor.
- If sealant gets in eyes or adheres to skin, immediately wash it off with water. If discomfort persists, consult a doctor.

■ **Do not drive the vehicle with a flat tire**

Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.
Driving with a flat tire may cause a circumferential groove on the side wall. In such a case, the tire may explode when using an emergency tire puncture repair kit.

WARNING

■ When fixing the flat tire

- Stop your vehicle in a safe and flat area.
- Do not touch the wheels or the area around the brakes immediately after the vehicle has been driven.
  After the vehicle has been driven, the wheels and the area around the brakes may be extremely hot. Touching these areas with hands, feet or other body parts may result in burns.
- Connect the valve and hose securely with the tire installed on the vehicle.
  If the hose is not properly connected to the valve, air leakage may occur or sealant may be sprayed out.
- If the hose comes off the valve while inflating the tire, there is a risk that the hose will move abruptly due to air pressure.
- After inflation of the tire has completed, the sealant may splatter when the hose is disconnected or some air is let out of the tire.
- Follow the operation procedure to repair the tire. If the procedure is not followed, the sealant may spray out.
- Keep back from the tire while it is being repaired, as there is a chance of it bursting while the repair operation is being performed. If you notice any cracks or deformation of the tire, turn off the compressor switch and stop the repair operation immediately.
- The kit may overheat if operated for a long period of time. Do not operate the compressor continuously for more than 40 minutes.
- Parts of the emergency tire puncture repair kit will get hot during operation. Handle with care during and after operation. As the kit gets hot, especially the metallic portion of the bottle and the compressor connection, do not touch during use or immediately after use.
- Do not attach the vehicle speed warning sticker to an area other than the one indicated. If the sticker is attached to an area where an SRS airbag is located, such as the pad of the steering wheel, it may prevent the SRS airbag from operating properly.

WARNING

■ **Driving to spread the liquid sealant evenly**

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

- Drive the vehicle carefully at a low speed. Be especially careful when turning and cornering.
- If the vehicle does not drive straight or you feel a pull through the steering wheel, stop the vehicle and check the following:
  - Tire condition. The tire may have separated from the wheel.
  - Tire inflation pressure. If tire inflation pressure is 130 kPa (1.3 kgf/cm^2 or bar, 19 psi) or below, this may indicate severe tire damage.

NOTICE

When performing an emergency repair

- Perform the emergency repair without removing the nail or screw that has punctured the tread of the tire. If the object that has punctured the tire is removed, repair by the emergency tire puncture repair kit may not be possible.
- The kit is not waterproof. Make sure that the kit is not exposed to water, such as when it is being used in the rain.
- Do not put the kit directly onto dusty ground such as sand at the side of the road. If the kit vacuums up dust, etc., a malfunction may occur.
- Make sure to stand the kit with the bottle vertical. The kit cannot work properly if it is laid on its side.

Handling the emergency tire puncture repair kit

- The compressor power source should be 12 V DC suitable for vehicle use. Do not connect the compressor to any other source.
- If gasoline splatters on the kit, the kit may deteriorate. Take care not to allow gasoline to contact it.
- When the emergency tire puncture repair kit is not being used, be sure to leave it in the plastic bag and keep it in its proper storage position to prevent it from being exposed to dirt or water.
- Store the kit in its assigned place out of reach of children.
- Do not disassemble or modify the kit. Do not subject parts such as the air pressure indicator to impacts. This may cause a malfunction.

To avoid damage to the tire pressure warning valves and transmitters

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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer 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. 481)

If you have a flat tire (vehicles with a spare tire)

Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.

For details about tires: →P. 480

WARNING

■ If you have a flat tire

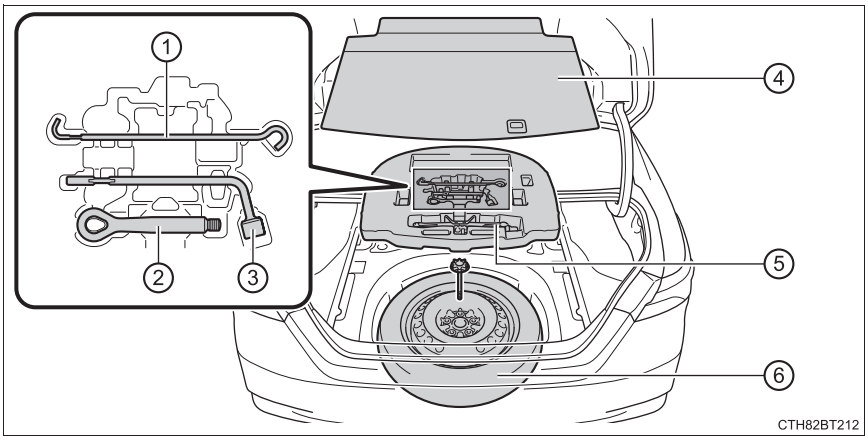
Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Before jacking up the vehicle

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the hybrid system.
- Turn on the emergency flashers. (→P. 522)

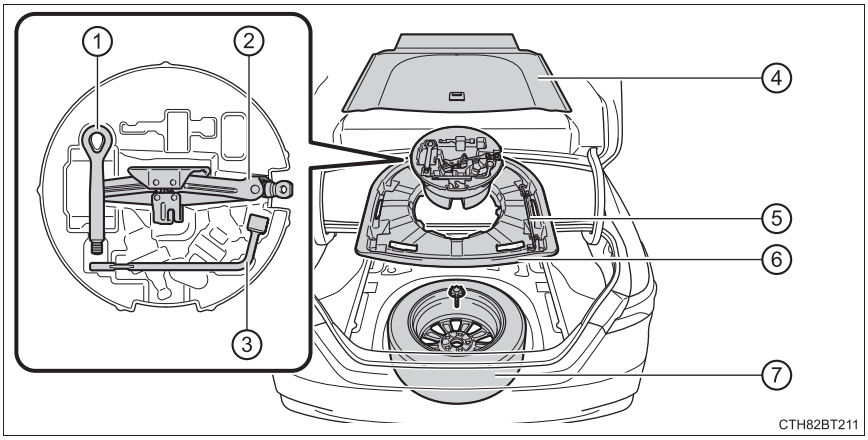
Location of the spare tire, jack and tools

▶ Vehicles with a compact spare tire



① Jack handle
② Towing eyelet
③ Wheel nut wrench
④ Luggage floor cover
⑤ Jack
⑥ Spare tire

▶ Vehicles with a full-size spare tire



① Towing eyelet
② Jack
③ Wheel nut wrench
④ Luggage floor cover
⑤ Jack handle
⑥ Spare tire cover
⑦ Spare tire

WARNING

■ Using the tire jack

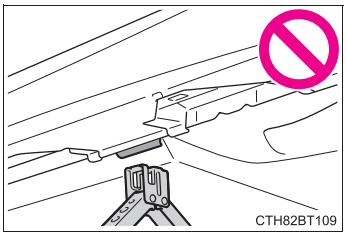
Observe the following precautions.
Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Put the jack properly in its jack point.
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start the hybrid system or drive the vehicle while the vehicle is supported by the jack.
- Do not raise the vehicle while someone is inside.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering.

NOTICE

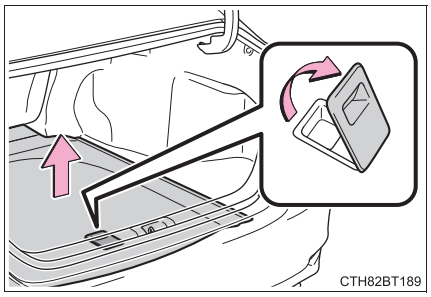
■ To prevent damage to the vehicle when using a jack

When jacking up the rear of the vehicle, make sure not to position the jack under the bracket shown in the illustration near the rear jack point, as the vehicle body may be damaged.

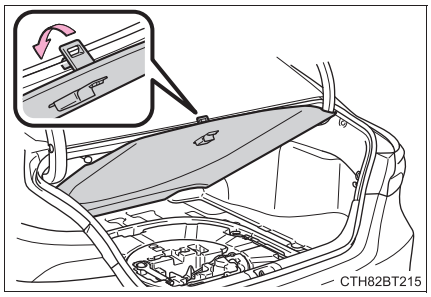


Taking out the jack

1 Lift up the hook of the luggage floor cover on the trunk floor.

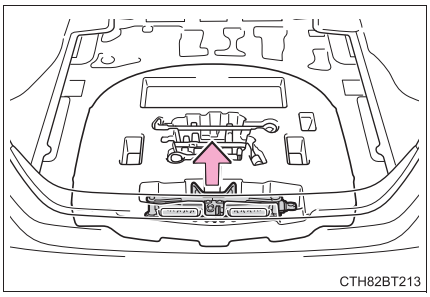


2 Secure the luggage floor cover using the hook provided.

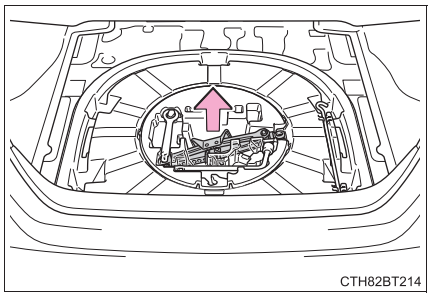


3 Remove the jack.

▶ Vehicles with a compact spare tire

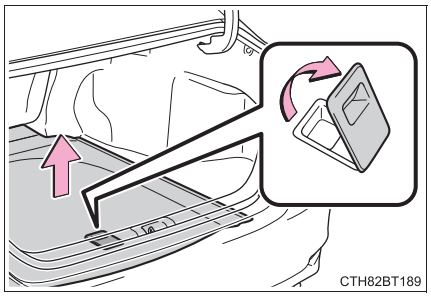


▶ Vehicles with a full-size spare tire

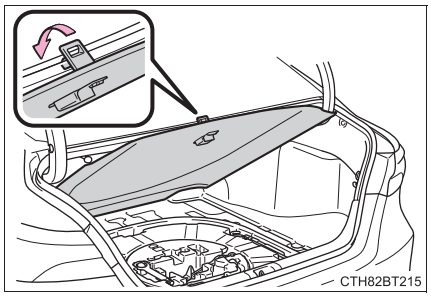


Taking out the spare tire

1 Lift up the hook of the luggage floor cover on the trunk floor.

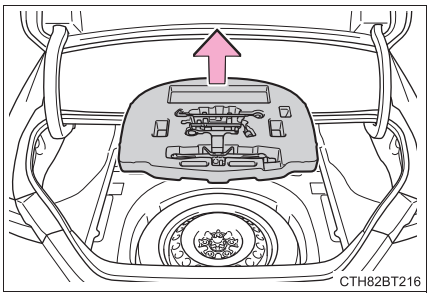


2 Secure the luggage floor cover using the hook provided.

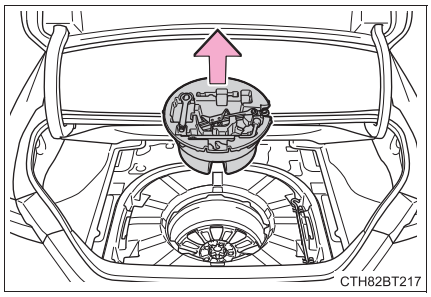


3 Remove the tool tray.

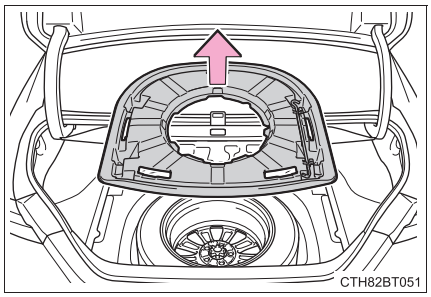
▶ Vehicles with a compact spare tire



▶ Vehicles with a full-size spare tire

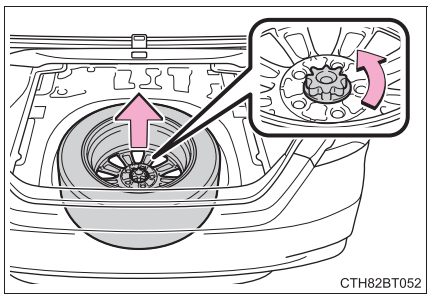


4 Vehicles with a full-size spare tire only: Remove the spare tire cover.



5 Loosen the center fastener that secures the spare tire.

When taking out or stowing the spare tire, make sure to firmly hold opposite end of the tire.



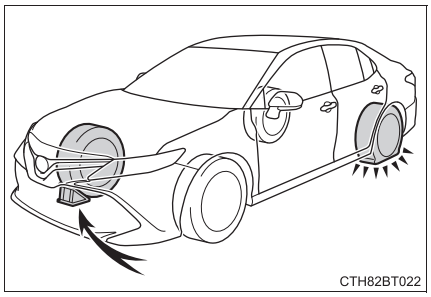
WARNING

■ When storing the spare tire

Be careful not to catch fingers or other body parts between the spare tire and the body of the vehicle.

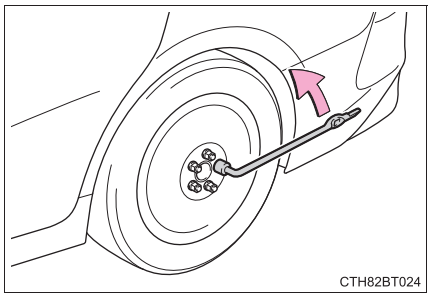
Replacing a flat tire

1 Chock the tires.



Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

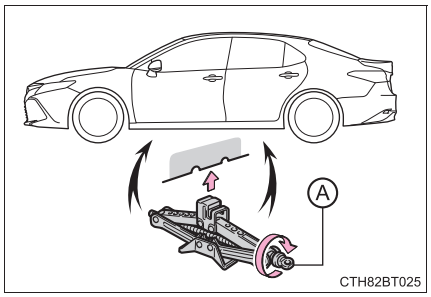
2 Slightly loosen the wheel nuts (one turn).



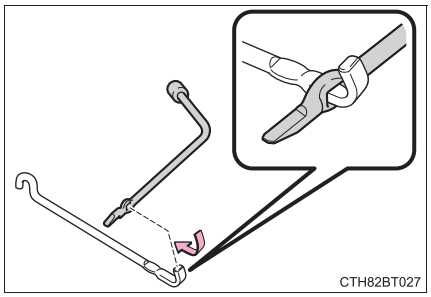
3 Turn the tire jack portion “A” by hand until the notch of the jack is in contact with the jack point.

To prevent damage to the vehicle when using the jack, position the jack in the correct location.
(→P. 563)

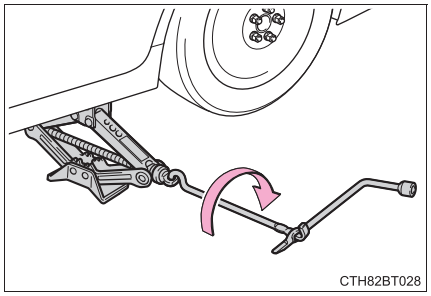
The jack point guides are located under the rocker panel. They indicate the jack point positions.



4 Assemble the jack handle.

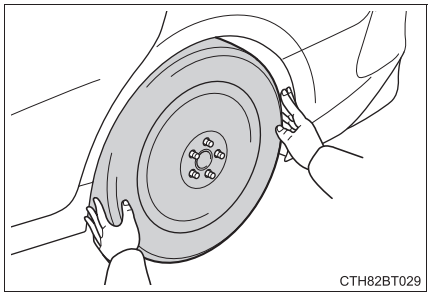


5 Raise the vehicle until the tire is slightly raised off the ground.



6 Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.



WARNING

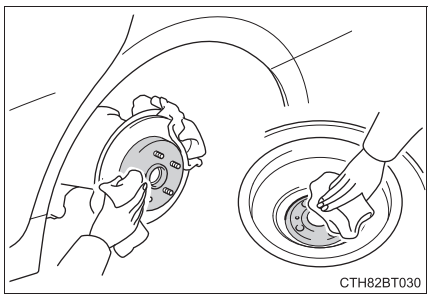
■ Replacing a flat tire

- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven.
  After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc. may result in burns.
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
  - Have the wheel nuts tightened with a torque wrench to 103 N•m (10.5 kgf•m,76 ft•lbf) as soon as possible after changing wheels.
  - Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.
  - 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
  - When installing the wheel nuts, be sure to install them with the tapered ends facing inward. (→P. 498)

Installing the spare tire

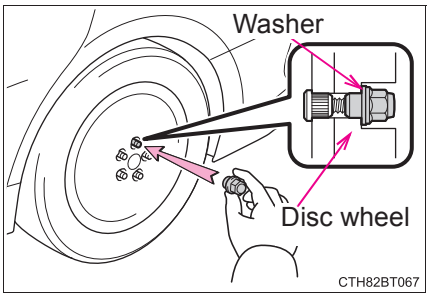
1 Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off.

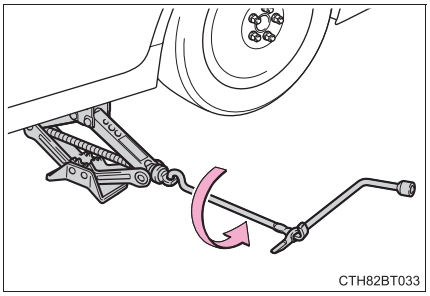


2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

Turn the wheel nuts until the washers come into contact with the disc wheel.

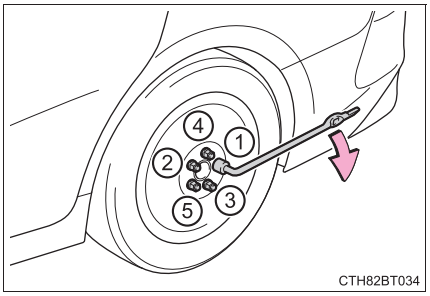


3 Lower the vehicle.



4 Firmly tighten each wheel nut two or three times in the order shown in the illustration.

Tightening torque:
103 N•m (10.5 kgf•m,76 ft•lbf)



5 Stow the flat tire, tire jack and all tools.

■ **The compact spare tire (if equipped)**

- The compact spare tire is identified by the label “TEMPORARY USE ONLY” on the tire sidewall.
  Use the compact spare tire temporarily, and only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 604)

■ **When using the compact spare tire (if equipped)**

As the compact spare tire is not equipped with a tire pressure warning valve and transmitter, low inflation pressure of the spare tire will not be indicated by the tire pressure warning system. Also, if you replace the compact spare tire after the tire pressure warning light comes on, the light remains on.

■ **When the compact spare tire is equipped (if equipped)**

When driving with the compact spare tire installed, the vehicle height will be different than when driving with standard tires.

■ **If you have a flat front tire on a road covered with snow or ice (vehicles with 17-inch wheels and a compact spare tire)**

Install the compact spare tire on one of the rear wheels of the vehicle. Perform the following steps and fit tire chains to the front tires:

1 Replace a rear tire with the compact spare tire.

2 Replace the flat front tire with the tire removed from the rear of the vehicle.

3 Fit tire chains to the front tires.

Certification for the jack

CE

Manufacturer's Declaration of Conformity

Manufacturer:
Kawasaki Industrial Co., Ltd.
1131 Kamo Kikugawa, Shizuoka, Japan

The EU Directives covered by this Declaration

2006/42/EC Machinery Directive

The product covered by this declaration

JACK SUB-ASSY,PANTOGRAPH

model
0.8ton , 1.1ton , 1.35ton , 1.4ton , 1.5ton

The basis on which conformity is being declared

The product identified above complies with the requirements of the Machinery Directive
Directive above by meeting following standards

JIS D 8103

The technical documentation required to demonstrate that the product meets the requirement the Machinery Directive has been compiled by the signatory belowand is available for inspection by the relevant enforcement authorities.

A sample of the product has been tested by the manufacturer

Technical File No: KSF-201-00-04

The CE mark was first applied in:2010

Done at Shizuoka, Japan

Signature:
Koji Kawasaki
PRESIDENT ,Kawasaki Industrial Co., Ltd.
Date of Issue: 1 MARCH ,2018

WARNING

When using the compact spare tire (if equipped)

- Remember that the compact spare tire provided is specifically designed for use with your vehicle. Do not use your compact spare tire on another vehicle.
- Do not use more than one compact spare tires simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.

When the compact spare tire is attached (if equipped)

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS & Brake assist
- VSC
- TRC
- EPS
- Automatic High Beam
- Dynamic radar cruise control with full-speed range
- LDA (Lane Departure Alert with steering control)
- PCS (Pre-Collision System)
- Tire pressure warning system
- Toyota parking assist-sensor
- Intelligent Clearance Sonar (ICS)*
- Toyota parking assist monitor
- BSM (Blind Spot Monitor)*
- Navigation system*

*: If equipped

Speed limit when using the compact spare tire (if equipped)

Do not drive at speeds in excess of 80 km/h (50 mph) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

After using the tools and jack

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

NOTICE

■ **Be careful when driving over bumps with the compact spare tire installed on the vehicle. (if equipped)**

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

■ **Driving with tire chains and the compact spare tire (if equipped)**

Do not fit tire chains to the compact spare tire.
Tire chains may damage the vehicle body and adversely affect driving performance.

■ **When replacing the tires**

When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

■ **To avoid damage to the tire pressure warning valve and transmitters**

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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. (→P. 481)

If the hybrid system will not start

Reasons for the hybrid system not starting vary depending on the situation. Check the following and perform the appropriate procedure:

The hybrid system will not start even though the correct starting procedure is being followed. (→P. 252)

One of the following may be the cause of the problem:

- The electronic key may not be functioning properly. (→P. 578)
- There may not be sufficient fuel in the vehicle's tank.
  Refuel the vehicle.
- There may be a malfunction in the immobilizer system. (→P. 112)
- There may be a malfunction in the steering lock system.
- The hybrid system may be malfunctioning due to an electrical problem such as electronic key battery depletion or a blown fuse. However, depending on the type of malfunction, an interim measure is available to start the hybrid system. (→P. 576)

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. 580)
- The 12-volt battery terminal connections may be loose or corroded. (→P. 476)

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. 580)
- One or both of the 12-volt battery terminals may be disconnected. (→P. 476)

Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer if the problem cannot be repaired, or if repair procedures are unknown.

Emergency start function

When the hybrid system does not start, the following steps can be used as an interim measure to start the hybrid system if the power switch is functioning normally.

Do not use this starting procedure except in case of emergency.

1. Set the parking brake.
2. Shift the shift lever to P.
3. Turn the power switch to ACCESSORY mode.
4. Press and hold the power switch for about 15 seconds while depressing the brake pedal firmly.

Even if the hybrid system can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

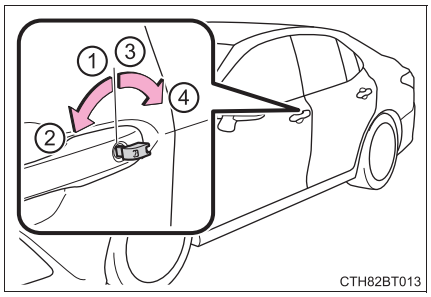
If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P. 188) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors and trunk can be opened and the hybrid system can be started by following the procedure below.

Locking and unlocking the doors, unlocking the trunk and key linked functions

■ Doors

Use the mechanical key (→P. 171) in order to perform the following operations (driver's door only):



① Locks all the doors

② Closes the windows (turn and hold)*

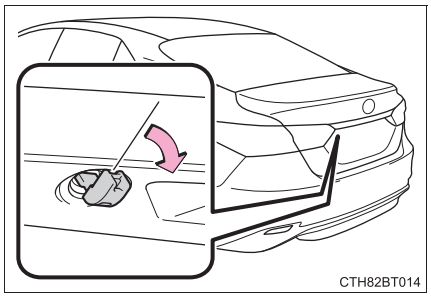
③ Unlocks all the door

④ Opens the windows (turn and hold)*

*: This setting must be customized at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Trunk**

Turn the mechanical key clockwise to open.



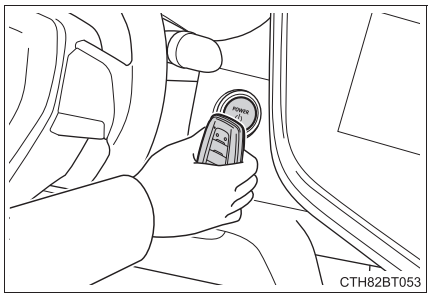
Starting the hybrid system

1 Ensure that the shift lever is in P and firmly depress the brake pedal.

2 Touch the Toyota emblem side of the electronic key to the power switch.

When the electronic key is detected, a buzzer sounds and the power switch will turn to ON mode.

When the smart entry & start system is deactivated in customization setting, the power switch will turn to ACCESSORY mode.



3 Firmly depress the brake pedal and check that  is displayed on the multi-information display.

4 Press the power switch shortly and firmly.

In the event that the hybrid system still cannot be started, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Stopping the hybrid system**

Shift the shift lever to P and press the power switch as you normally do when stopping the hybrid system.

■ **Replacing the key battery**

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P. 507)

■ **Alarm (if equipped)**

Using the mechanical key to lock the doors will not set the alarm system.
If a door is unlocked using the mechanical key when the alarm system is set, the alarm may be triggered.

■ **Changing power switch modes**

Release the brake pedal and press the power switch in step 3 above.
The hybrid system does not start and modes will be changed each time the switch is pressed. (→P. 253)

■ **When the electronic key does not work properly**

- Make sure that the smart entry & start system has not been deactivated in the customization setting. If it is off, turn the function on.
  (Customizable features: →P. 609)
- Check if battery-saving mode is set. If it is set, cancel the function.
  (→P. 187)

⚠ WARNING

■ **When using the mechanical key and operating the power windows**

Operate the power window after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window. Also, do not allow children to operate the mechanical key. It is possible for children and other passengers to get caught in the power window.

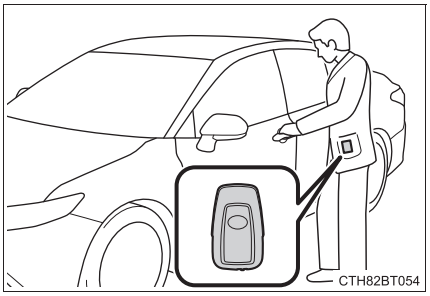
If the vehicle 12-volt battery is discharged

The following procedures may be used to start the hybrid system if the vehicle's 12-volt battery is discharged.
You can also call any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer or a qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

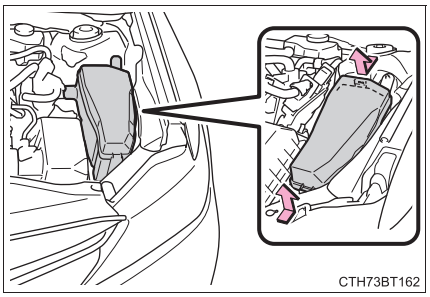
1 Vehicles with an alarm: Confirm that the electronic key is being carried.

When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked. (→P. 128)

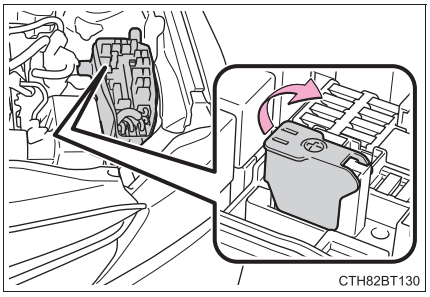

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2 Open the hood and remove the fuse box cover.

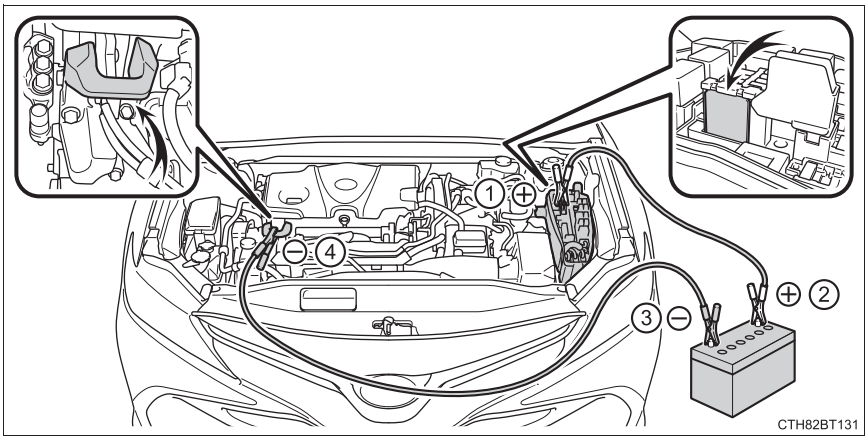
Push the tabs in and lift the lid off.


CTH73BT162

3 Open the exclusive jump starting terminal cover.


CTH82BT130

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.

5 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the 12-volt battery of your vehicle.

6 Open and close any of the doors of your vehicle with the power switch off.

7 Maintain the engine speed of the second vehicle and start the hybrid system of your vehicle by turning the power switch to ON mode.

8 Make sure the “READY” indicator comes on. If the indicator does not come on, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

9 Once the hybrid system has started, remove the jumper cables in the exact reverse order from which they were connected.

10 Close the exclusive jump starting terminal cover, and reinstall the fuse box cover to its original position.

Once the hybrid system starts, have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

■ **Starting the hybrid system when the 12-volt battery is discharged**

The hybrid system cannot be started by push-starting.

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

- Turn off the headlights and the audio system while the hybrid system is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

■ **When the 12-volt battery is removed or discharged**

- Information stored in the ECU is cleared. When the 12-volt battery is depleted, have the vehicle inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Some systems may require initialization. (→P. 616)

■ **When removing the 12-volt battery terminals**

When the 12-volt battery terminals are removed, the information stored in the ECU is cleared. Before removing the 12-volt battery terminals, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ **Charging the 12-volt battery**

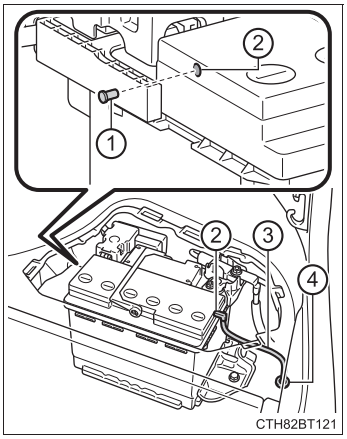
The electricity stored in the 12-volt battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the 12-volt battery may discharge, and the hybrid system may be unable to start. (The 12-volt battery recharges automatically while the hybrid system is operating.)

■ **When recharging or replacing the 12-volt battery**

- In some cases, it may not be possible to unlock the doors using the smart entry & start system when the 12-volt battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The hybrid system may not start on the first attempt after the 12-volt battery has recharged but will start normally after the second attempt. This is not a malfunction.
- The power switch mode is memorized by the vehicle. When the 12-volt battery is reconnected, the system will return to the mode it was in before the 12-volt battery was discharged. Before disconnecting the 12-volt battery, turn the power switch off.
  If you are unsure what mode the power switch was in before the 12-volt battery discharged, be especially careful when reconnecting the 12-volt battery.

■ **When replacing the 12-volt battery**

- Use a Central Degassing type 12-volt battery (European Regulations).
- Use a 12-volt battery that the case size is same as the previous one (LN2), 20 hour rate capacity (20HR) is equivalent (55Ah) or greater, and performance rating (CCA) is equivalent (345A) or greater.
  - If the sizes differ, the 12-volt battery cannot be properly secured.
  - If the 20 hour rate capacity is low, even if the time period where the vehicle is not used is a short time, the 12-volt battery may discharge and the hybrid system may not be able to start.
- Use a 12-volt battery with a handle. If a 12-volt battery without a handle is used, removal is more difficult.
- After replacing, firmly attach the following items to the exhaust hole of the 12-volt battery.
  - Use the exhaust hose that was attached to the 12-volt battery before replacing and confirm that it is firmly connected to the hole section of the vehicle.
  - Use the exhaust hole plug included with the 12-volt battery replaced or the one installed on the battery prior to the replacement. (Depending on the 12-volt battery to be replaced, the exhaust hole may be plugged.)



① Exhaust hole plug

② Exhaust hole

③ Exhaust hose

④ Hole section of the vehicle

For details, consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

When removing the 12-volt battery terminals

Always remove the negative (-) terminal first. If the positive (+) terminal contacts any metal in the surrounding area when the positive (+) terminal is removed, a spark may occur, leading to a fire in addition to electrical shocks and death or serious injury.

Avoiding 12-volt battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the 12-volt battery:

- Make sure each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the other end of the jumper cable connected to the "+" terminal to come into contact with any other parts or metal surfaces in the area, such as brackets or unpainted metal.
- Do not allow the + and - clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the 12-volt battery.

12-volt battery precautions

The 12-volt battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the 12-volt battery:

- When working with the 12-volt battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the 12-volt battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the 12-volt battery support, terminals, and other battery-related parts.
- Do not allow children near the 12-volt battery.

WARNING

■ **After recharging the 12-volt battery**

Have the 12-volt battery inspected at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

If the 12-volt battery is deteriorating, continued use may cause the 12-volt battery to emit a malodorous gas, which may be detrimental to the health of passengers.

■ **When replacing the 12-volt battery**

After replacing, securely attach the exhaust hose and exhaust hole plug to the exhaust hole of the replaced 12-volt battery. If not properly installed, gases (hydrogen) may leak into the vehicle interior, and there is the possible danger of the gas igniting and exploding.

NOTICE

■ **When handling jumper cables**

When connecting the jumper cables, ensure that they do not become entangled in the cooling fan or belt.

■ **To prevent damaging the vehicle**

The exclusive jump starting terminal is to be used when charging the 12-volt battery from another vehicle in an emergency. It cannot be used to jump start another vehicle.

If your vehicle overheats

The following may indicate that your vehicle is overheating.

- The needle of the engine coolant temperature gauge (→P. 136) enters the red zone or a loss of hybrid system power is experienced. (For example, the vehicle speed does not increase.)
- "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" or "Hybrid System Overheated Output Power Reduced" is shown on the multi-information display.
- Steam comes out from under the hood.

Correction procedures

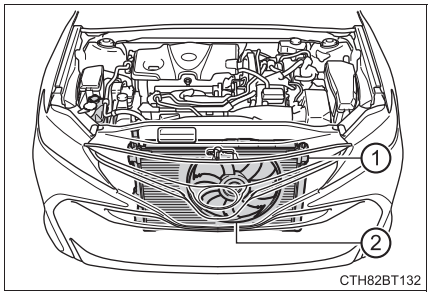
If the needle of the engine coolant temperature gauge enters the red zone or "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" is shown on the multi-information display

1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the hybrid system.

2 If you see steam:
Carefully lift the hood after the steam subsides.

If you do not see steam:
Carefully lift the hood.

3 After the hybrid system has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.



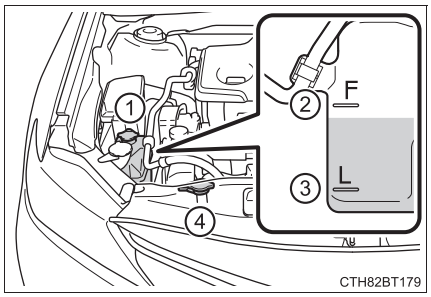
① Radiator

② Cooling fan

If a large amount of coolant leaks, immediately contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

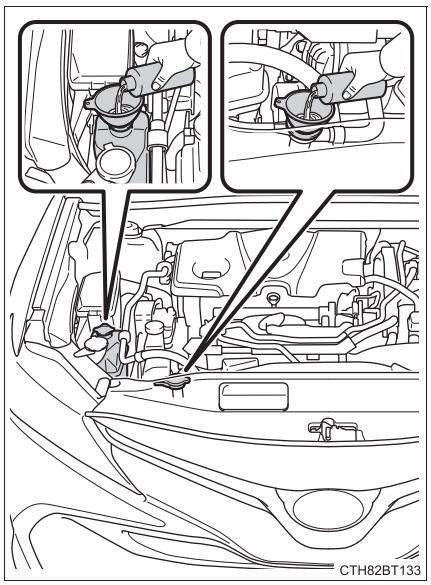
4 The coolant level is satisfactory if it is between the “F” and “L” lines on the reservoir.

① Reservoir
② “F” line
③ “L” line
④ Radiator cap



5 Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.



6 Start the hybrid system and turn the air conditioning system on to check that the radiator cooling fan operates and to check for coolant leaks from the radiator or hoses.

The fan operates when the air conditioning system is turned on immediately after a cold start. Confirm that the fan is operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly. (The fan may not operate in freezing temperatures.)

7 If the fan is not operating:
Stop the hybrid system immediately and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

If the fan is operating:
Have the vehicle inspected at the nearest any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

■ If “Hybrid System Overheated Output Power Reduced” is shown on the multi-information display

1 Stop the vehicle in a safe place.

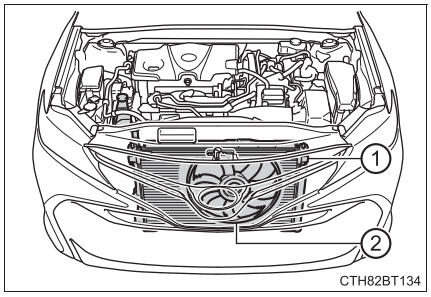
2 Stop the hybrid system and carefully lift the hood.

3 After the hybrid system has cooled down, inspect the hoses and radiator core (radiator) for any leaks.

① Radiator

② Cooling fan

If a large amount of coolant leaks, immediately contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

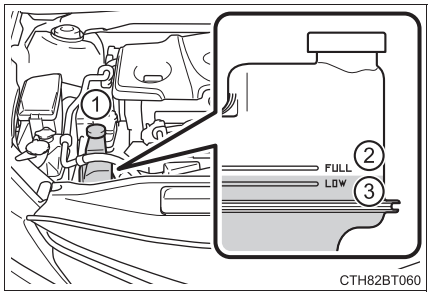


4 The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir.

① Reservoir

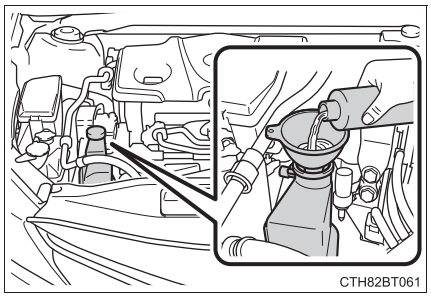
② “FULL” line

③ “LOW” line



5 Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.


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6 After stopping the hybrid system and waiting for 5 minutes or more, start the hybrid system again and check for the multi-information display.

If the message does not disappear:

Stop the hybrid system and contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

WARNING

■ **To prevent an accident or injury when inspecting under the hood of your vehicle**

Observe the following precautions.
Failure to do so may result in serious injury such as burns.

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot.
- After the hybrid system has been turned off, check that the “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 hybrid system and radiator are hot.
  High temperature steam or coolant could spray out.

NOTICE

■ **When adding engine/power control unit coolant**

Wait until the hybrid system has cooled down before adding engine/power control unit coolant.
When adding coolant, do so slowly. 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 additives.

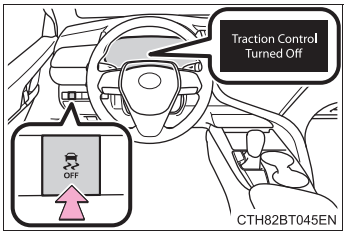
If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

1. Stop the hybrid system. Set the parking brake and shift the shift lever to P.
2. Remove the mud, snow or sand from around the front wheels.
3. Place wood, stones or some other material under the front wheels to help provide traction.
4. Restart the hybrid system.
5. Shift the shift lever to D or R and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

When it is difficult to free the vehicle

Press to turn off TRC.



WARNING

When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed. This may lead to unexpected rapid acceleration of the vehicle that may cause an accident resulting in death or serious injury.

NOTICE

■ **To avoid damaging the transmission and other components**

- Avoid spinning the front wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

Vehicle specifications 8

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Maintenance data (fuel, oil level, etc.)

Dimensions

Overall length			4885 mm (192.3 in.)
Overall width			1840 mm (72.4 in.)
Overall height*			1445 mm (56.8 in.)
Wheelbase			2825 mm (111.2 in.)
Tread*	Front	17-inch tires	1590 mm (62.6 in.)
		18-inch tires	1580 mm (62.2 in.)
	Rear	17-inch tires	1600 mm (63.0 in.)
		18-inch tires	1590 mm (62.6 in.)

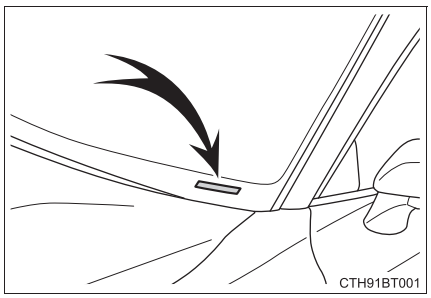
*: Unladen vehicles

Vehicle identification

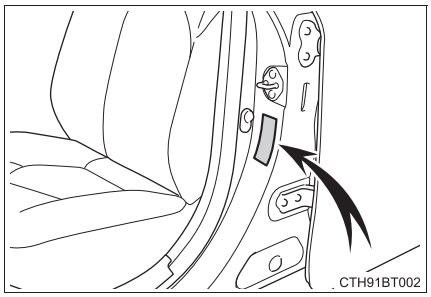
Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

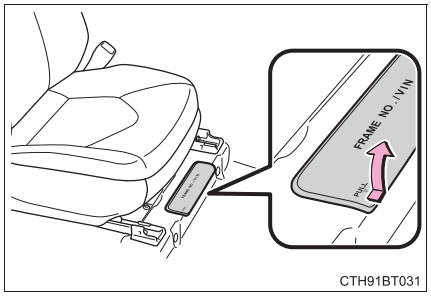
On some models, this number is stamped on the top left of the instrument panel.



This number is also on the manufacturer's label.

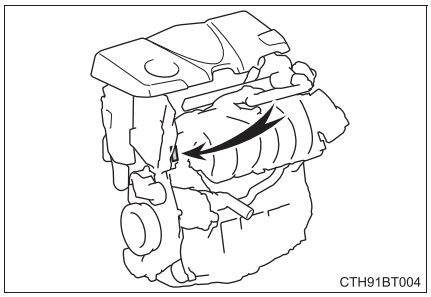


This number is also stamped under the right-hand front seat.



Engine number

The engine number is stamped on the engine block as shown.



Engine

Model	A25A-FXS
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	87.5 x 103.4 mm (3.44 x 4.07 in.)
Displacement	2487 cm^3 (151.8 cu.in.)
Valve clearance	Automatic adjustment

Fuel

Fuel type	When you find these types of fuel label at the gas station, use only the fuel with one of the following labels.  EU area: Unleaded gasoline conforming to European standard EN228 only Except EU area: Unleaded gasoline only
Research octane number	95 or higher
Fuel tank capacity (Reference)	50 L (13.2 gal., 11.0 Imp. gal.)

Electric motor (traction motor)

Type	Permanent magnet synchronous motor
Maximum output	88 kW
Maximum torque	202 N•m (20.6 kgf•m, 149 ft•lbf)

Hybrid battery (traction battery)

Type	Nickel-metal hydride battery
Voltage	7.2 V/module
Capacity	6.5 Ah (3HR)
Quantity	34 modules
Overall voltage	244.8 V

Lubrication system

Oil capacity (Drain and refill [Reference*])

With filter	4.5 L (4.8 qt., 4.0 Imp. qt.)
Without filter	4.2 L (4.4 qt., 3.7 Imp. qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up the engine and turn off the hybrid system, wait more than 5 minutes, and check the oil level on the dipstick.

Engine oil selection

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Toyota recommends the use of approved "Toyota Genuine Motor Oil". Another motor oil of matching quality can also be used.

Oil grade:

0W-16:

API grade SN "Resource-Conserving" or SN PLUS "Resource-Conserving" multigrade engine oil

0W-20, 5W-30 and 10W-30:

API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving" or SN PLUS "Resource-Conserving"; or ILSAC multigrade engine oil

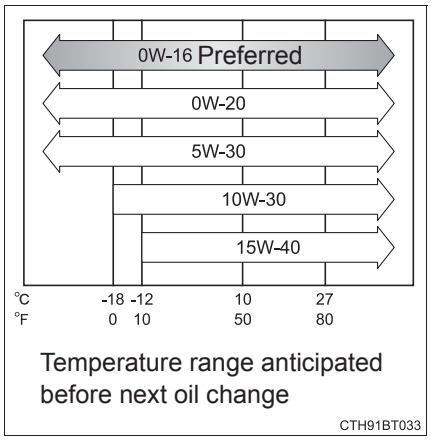
15W-40:

API grade SL, SM, SN or SN PLUS multigrade engine oil

Recommended viscosity (SAE):

SAE 0W-16 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.
If SAE 0W-16 oil is not available, SAE 0W-20 oil may be used. However, it should be replaced with SAE 0W-16 at the next oil change.

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-16, 0W-20 or 5W-30 engine oil is recommended.



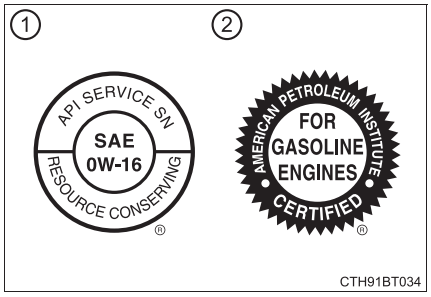
Temperature range anticipated before next oil change
CTH91BT033

Oil viscosity (0W-16 is explained here as an example):

- The 0W in 0W-16 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 16 in 0W-16 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container 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 SN” means the oil quality designation by American Petroleum Institute (API).
Center portion: “SAE 0W-16” means the SAE viscosity grade.
Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

② ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

Cooling system

Capacity (Reference)	▶ Gasoline engine 6.1 L (6.4 qt., 5.4 Imp. qt.) ▶ Power control unit 1.8 L (1.9 qt., 1.6 Imp. qt.)
Coolant type	Use either of the following: • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

Ignition system

Spark plug	
Make	DENSO FC16HR-Q8
Gap	0.8 mm (0.031 in.)

NOTICE

Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust spark plug gap.

Electrical system

12-volt battery Specific voltage reading at 20°C (68°F):	12.0 V or higher If the voltage is lower than the standard value, charge the battery. (When checking the voltage, after turning the power switch off, wait for 30 seconds with the high beam headlights illuminated, then turn the high beam headlights off and check the voltage.)
Charging rates	5 A max.

Transmission

Fluid capacity*	3.9 L (4.1 qt., 3.4 Imp. qt.)
Fluid type	Toyota Genuine ATF WS

*: The fluid capacity is a reference quantity.
If replacement is necessary, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

NOTICE

Transmission fluid type

Using transmission fluid other than “Toyota Genuine ATF WS” may ultimately damage the transmission of your vehicle.

Brakes

Pedal clearance*	85 mm (3.3 in.)
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)
Brake pad wear limit	1.0 mm (0.04 in.)
Fluid type	SAE J1703 or FMVSS No.116 DOT 3 SAE J1704 or FMVSS No.116 DOT 4

*: Minimum pedal clearance when depressed with a force of 300 N (31 kgf, 67 lbf) while the hybrid system operating.

Steering

Free play	Less than 30 mm (1.2 in.)

Tires and wheels

▶ 17-inch tires

Tire size	215/55R17 94W	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	240 (2.4, 35)	240 (2.4, 35)
Wheel size	17 × 7 1/2J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

▶ 18-inch tires

Tire size	235/45R18 94W	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	240 (2.4, 35)	240 (2.4, 35)
Wheel size	18 × 8J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

Tire size	235/45R18 94Y	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	240 (2.4, 35)	240 (2.4, 35)
Wheel size	18 × 8J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

▶ Compact spare tire

Tire size	T155/70D17 110M
Spare tire inflation pressure (Recommended cold tire inflation pressure)	420 kPa (4.2 kgf/cm^2 or bar, 60 psi)
Wheel size	17 × 4 T
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

Light bulbs*

	Light bulbs	W	Type
Exterior	Front turn signal lights (bulb type)	21	A
	Rear turn signal lights (bulb type)	21	A
	Back-up lights (bulb type)	16	B
Interior	Door courtesy lights	5	B
	Vanity lights	8	B
	Trunk light	5	B

A: Wedge base bulbs (amber) B: Wedge base bulbs (clear)

*: Light bulbs not listed in this table are LED bulbs.

Fuel information

When you find these types of fuel label at the gas station, use only the fuel with one of the following labels.



EU area:
You must only use unleaded gasoline conforming to European standard EN228.
Select unleaded gasoline with a Research Octane Number of 95 or higher for optimum engine performance.

Except EU area:
You must only use unleaded gasoline.
Select unleaded gasoline with a Research Octane Number of 95 or higher for optimum engine performance.

Use of ethanol blended gasoline in a gasoline engine

Toyota allows the use of ethanol blended gasoline where the ethanol content is up to 10%. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

If your engine knocks

- Consult any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- 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.
- EU area: Bioethanol fuel sold under names such as “E50” or “E85” 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 any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Except EU area: Bioethanol fuel sold under names such as “E50” or “E85” and fuel containing a large amount of ethanol should not be used. Your vehicle can use gasoline mixed with 10% max ethanol. The use of fuel with more than 10% ethanol content (E10) will damage the vehicle’s fuel system. You must ensure that refueling is carried out only from a source where fuel specification and quality can be guaranteed. In case of any doubt, ask any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- Do not use the methanol blended gasoline such as M15, M85, M100. The use of gasoline containing methanol may cause engine damage or failure.

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. The settings of these features can be changed using the multi-information display, on the audio system screen, or at any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Customizing vehicle features

When customizing vehicle features, ensure that the vehicle is parked in a safe place with the shift lever in P and the parking brake set.

■ **Changing on the audio system screen**

1 Press the “SETUP” button.

2 Select “General” or “Vehicle” on the “Setup” screen.

Various setting can be changed. Refer to the list of settings that can be changed for details.

■ **Changing using the multi-information display**

→P. 148

Customizable features

Some function settings are changed simultaneously with other functions being customized. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer for further details.

① Settings that can be changed on the audio system screen

② Settings that can be changed by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer

Definition of symbols: O = Available, — = Not available

■ Gauges, meters and multi-information display (→P. 136, 140)

Function	Default setting	Customized setting	①	②
Units*	km (L/100 km)	km (km/L)	O	—
		miles (MPG)		
Convenience services (Suggestion function)	On	On (when the vehicle is stopped)	O	O
		Off		

*: The default setting varies according to country.

■ **Door lock (→P. 174, 181, 577)**

Function	Default setting	Customized setting	①	②
Unlocking using the mechanical key	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two steps	—	O
Speed linked door locking function*	On	Off	O	O
Shift position linked door locking function*	Off	On	O	O
Shift position linked door unlocking function*	Off	On	O	O
Driver's door linked door unlocking function*	Off	On	O	O
Locking/unlocking of the trunk when all doors are locked/unlocked	On	Off	—	O

*: If equipped

■ **Smart entry & start system and wireless remote control (→P. 174, 181, 185)**

Function	Default setting	Customized setting	①	②
Operation signal (Emergency flashers)	On	Off	O	O
Time elapsed before automatic door lock function is activated if door is not opened after being unlocked	30 seconds	60 seconds	—	O
		120 seconds		
Open door warning buzzer	On	Off	—	O

■ **Smart entry & start system (→P. 174, 181, 185)**

Function	Default setting	Customized setting	①	②
Smart entry & start system	On	Off	O	O
Smart door unlocking	All the doors	Driver's door	O	O
Time elapsed before unlocking all the door when gripping and holding the driver's door handle	Off	2 seconds	—	O
Number of consecutive door lock operations	2 times	As many as desired	—	O

■ **Wireless remote control (→P. 170, 174, 181)**

Function	Default setting	Customized setting	①	②
Wireless remote control	On	Off	—	O
Unlocking operation	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two steps	O	O
Trunk unlocking operation	Press and hold (short)	One short press	—	O
		Push twice		
		Press and hold (long)		
		Off		

■ **Power windows (→P. 237)**

Function	Default setting	Customized setting	①	②
Mechanical key linked operation	Off	On	—	O
Wireless remote control linked operation	Off	On	—	O
Wireless remote control linked operation signal (buzzer)	On	Off	—	O

■ **Steering wheel* (→P. 230)**

Function	Default setting	Customized setting	①	②
Auto tilt away function	Tilt only	Telescopic only	O	O
		Tilt & telescopic		
		Off		

*: Vehicles with power adjustment steering wheel

■ **Automatic light control system (→P. 275)**

Function	Default setting	Customized setting	①	②
Light sensor sensitivity	Standard	-2 to 2	O	O

■ **Toyota parking assist-sensor (→P. 374)**

Function	Default setting	Customized setting	①	②
Buzzer volume	2	1 to 3	—	O

■ **BSM (Blind Spot Monitor)* (→P. 356)**

Function	Default setting	Customized setting	①	②
Outside rear view mirror indicator brightness	Bright	Dim	—	O

*: If equipped

■ **RCTA (Rear Crossing Traffic Alert)* (→P. 356)**

Function	Default setting	Customized setting	①	②
Buzzer volume	2	1 to 3	—	O

*: If equipped

■ **Automatic air conditioning system (→P. 414)**

Function	Default setting	Customized setting	①	②
Switching between outside air and recirculated air mode linked to “AUTO” switch operation	Auto	Manual	O	O
A/C auto switch operation	Auto	Manual	O	O

■ **Illumination (→P. 426)**

Function	Default setting	Customized setting	①	②
Time elapsed before lights turn off	15 seconds	Off	O	O
		7.5 seconds		
		30 seconds		
Operation after the power switch turned off	On	Off	—	O
Operation when the doors are unlocked	On	Off	—	O
Operation when you approach the vehicle with the electronic key on your person	On	Off	—	O
Footwell lights	On	Off	—	O
Inside door handle lights	On	Off	—	O

WARNING

During customization

As the hybrid system needs to be operating during customization, ensure that the vehicle is parked in a place with adequate ventilation. In a closed area such as a garage, exhaust gases including harmful carbon monoxide (CO) may collect and enter the vehicle. This may lead to death or a serious health hazard.

NOTICE

During customization

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

Items to initialize

The following items must be initialized for normal system operation after such cases as the 12-volt battery being reconnected, or maintenance being performed on the vehicle:

Item	When to initialize	Reference
Tire pressure warning system	• When the tire inflation pressure is changed such as when changing traveling speed or load weight • When the tire inflation pressure is changed such as when the tire size is changed • When rotating the tires • After performing the transmitter ID code registration procedure	P. 482
Intelligent Clearance Sonar (ICS)*	• After reconnecting or changing the 12-volt battery	P. 393

*: If equipped

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Refer to the “Navigation and multimedia system Owner’s manual” for information regarding the equipment listed below.

- Navigation system
- Audio/visual system
- Toyota parking assist monitor

What to do if... (Troubleshooting)

If you have a problem, check the following before contacting any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

The doors cannot be locked, unlocked, opened or closed



You lose your keys

- If you lose your mechanical keys, new genuine mechanical keys can be made by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer. (→P. 171)
- If you lose your electronic keys, the risk of vehicle theft increases significantly. Contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer immediately. (→P. 173)



The doors cannot be locked or unlocked

- Is the key battery weak or depleted? (→P. 507)
- Is the power switch in ON mode?
  When locking the doors, turn the power switch off. (→P. 253)
- Is the electronic key left inside the vehicle?
  When locking the doors, make sure that you have the electronic key on your person.
- The function may not operate properly due to the condition of the radio wave. (→P. 188)



The rear door cannot be opened

- Is the child-protector lock set?
  The rear door cannot be opened from inside the vehicle when the lock is set. Open the rear door from outside and then unlock the child-protector lock. (→P. 177)



The trunk lid is closed with the electronic key left inside

- The function to prevent the electronic key from being left inside the trunk will operate and you can open the trunk as usual. Take the key out from the trunk. (→P. 182)

If you think something is wrong

The hybrid system does not start

- Did you press the power switch while firmly depressing the brake pedal? (→P. 252)
- Is the shift lever in P? (→P. 254)
- Is the electronic key anywhere detectable inside the vehicle? (→P. 186)
- Is the steering wheel unlocked? (→P. 254)
- Is the electronic key battery weak or depleted?
  In this case, the hybrid system can be started in a temporary way. (→P. 578)
- Is the 12-volt battery discharged? (→P. 580)

The shift lever cannot be shifted from P even if you depress the brake pedal

- Is the power switch in ON mode?
  If you cannot release the shift lever by depressing the brake pedal with the power switch in ON mode. (→P. 265)

The steering wheel cannot be turned after the hybrid system is stopped

- It is locked automatically to prevent theft of the vehicle. (→P. 254)

The windows do not open or close by operating the power window switches

- Is the window lock switch pressed?
  The power window except for the one at the driver's seat cannot be operated if the window lock switch is pressed. (→P. 237)

The power switch is turned off automatically

- The auto power off function will be operated if the vehicle is left in ACCESSORY or ON mode (the hybrid system is not operating) for a period of time. (→P. 254)

A warning buzzer sounds during driving

- The seat belt reminder light is flashing
  Are the driver and the front passenger wearing the seat belts? (→P. 534)
- The parking brake indicator is on
  Is the parking brake released? (→P. 268)

Depending on the situation, other types of warning buzzer may also sound. (→P. 531, 538)

An alarm is activated and the horn sounds (vehicles with an alarm)

- Did anyone inside the vehicle open a door during setting the alarm?
  The sensor detects it and the alarm sounds. (→P. 126)

Do one of the following to stop the alarm:

- Unlock the doors or open the trunk using the entry function or wireless remote control.
- Start the hybrid system.

A warning buzzer sounds when leaving the vehicle

- Is the message displayed on the multi-information display?
  Check the message on the multi-information display. (→P. 538)

A warning light turns on or a warning message is displayed

- When a warning light turns on or a warning message is displayed, refer to P. 531, 538.

When a problem has occurred



If you have a flat tire

- Vehicles with an emergency tire puncture repair kit: Stop the vehicle in a safe place and repair the flat tire temporarily with the emergency tire puncture repair kit. (→P. 544)
- Vehicles with spare tire: Stop the vehicle in a safe place and replace the flat tire with the spare tire. (→P. 561)



The vehicle becomes stuck

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P. 592)

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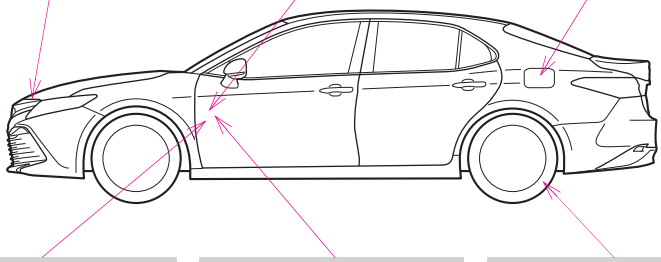
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GAS STATION INFORMATION

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P. 467	P. 181	P. 290



Hood lock release lever	Fuel filler door opener	Tire inflation pressure
P. 467	P. 290	P. 604

Fuel tank capacity (Reference)	50 L (13.2 gal., 11.0 Imp. gal.)
Fuel type	P. 598, 607
Cold tire inflation pressure	P. 604
Engine oil capacity (Drain and refill — reference)	P. 599
Engine oil type	“Toyota Genuine Motor Oil” or equivalent P. 599