

## Owner's Manual

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

# **CAMRY**





## Pictorial index

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

- Navigation system
- Audio/visual system
- Rear view monitor system
- Toyota parking assist monitor
- Panoramic view 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.

For Eurasian Economic Union: The information on the procedure for the safe use of the vehicle and its systems, presented on the manufacturer's labels on the body in English, is intended only for service workers.

#### Noise from under vehicle after turning off the engine (for Korea)

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

#### Accessories, spare parts and modification of your Toyota

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

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

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

#### Installation of an RF-transmitter system

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

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

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

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

#### Vehicle data recording

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

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

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

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

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

#### Data usage

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

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

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

Recorded image information can be erased by your Toyota dealer.
 The image recording function can be disabled. However, if the function is disabled, data from when the system operates will not be available.

#### **Event data recorder (except for Korea)**

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

#### Event data recorder (for Korea)

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 safety systems in your vehicle (e.g., the airbags and seat belts) were operating;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- · How fast the vehicle was traveling.

The EDR 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, personal data acquired during a defect investigation could be used to manage crash records. A person provided by the Minister of Land Infrastructure and Transport could extract and analyze EDR data for official purpose.

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

#### Disclosure of the EDR data

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

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

However, if necessary, Toyota may:

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

#### Scrapping of your Toyota

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

#### **WARNING**

#### General precautions while driving

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

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

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

#### ■ General precaution regarding children's safety

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

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

### **Reading this manual**



#### **WARNING:**

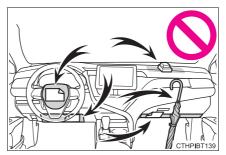
Explains something that, if not obeyed, could cause death or serious injury to people.

## ∧ NOTICE:

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

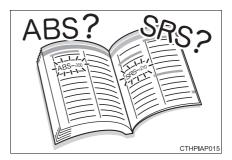
123 ··· Indicates operating or working procedures. Follow the steps in numerical order.

- 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".



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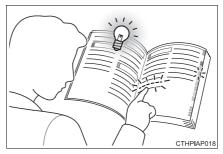
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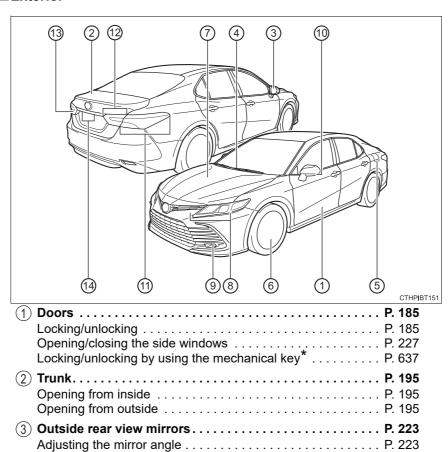


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### **Pictorial index**

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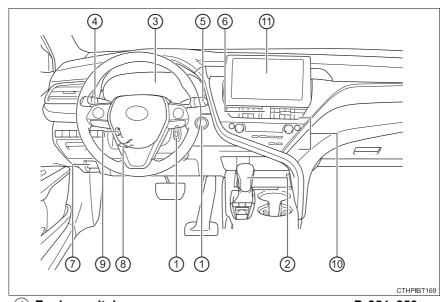


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\*: If equipped

### ■Instrument panel (left-hand drive vehicles)

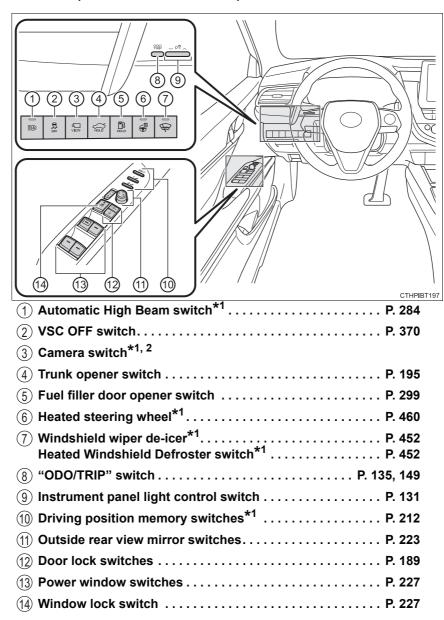


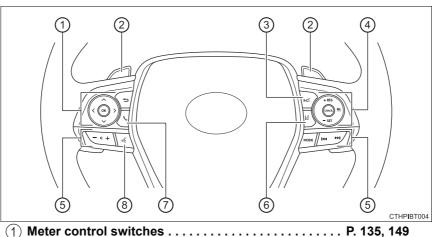
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<sup>\*1:</sup> If equipped
\*2: For vehicles with a navigation or multimedia system, refer to
"Navigation and Multimedia System Owner's Manual".

#### Switches (left-hand drive vehicles)

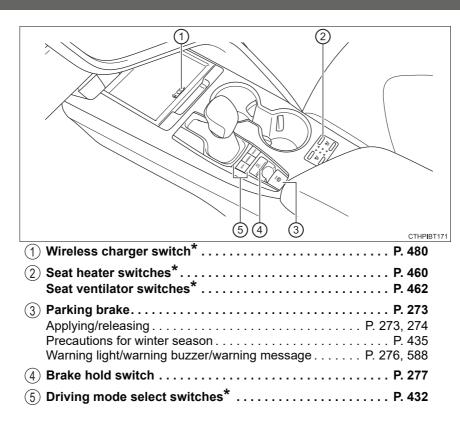




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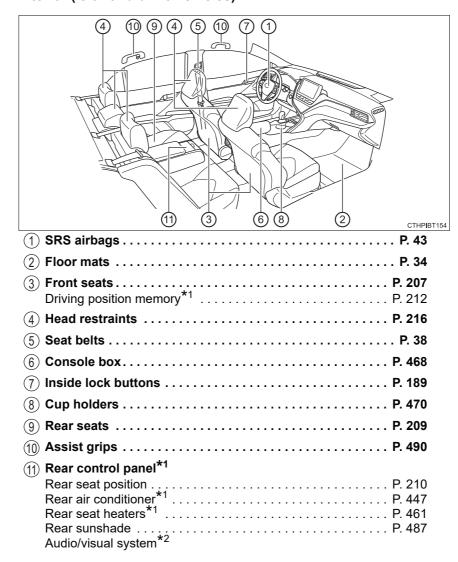
<sup>\*2:</sup> Refer to "Navigation and Multimedia System Owner's Manual".

<sup>\*3:</sup> For vehicles with a navigation or multimedia system, refer to "Navigation and Multimedia System Owner's Manual".



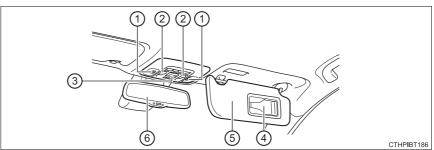
<sup>\*:</sup> If equipped

### Interior (left-hand drive vehicles)



\*1: If equipped

<sup>\*2:</sup> Refer to "Navigation and Multimedia System Owner's Manual".



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<sup>\*3:</sup> Except for Taiwan: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIR-BAG in front of it, DEATH or SERI-OUS INJURY to the CHILD can occur. (→P. 68)



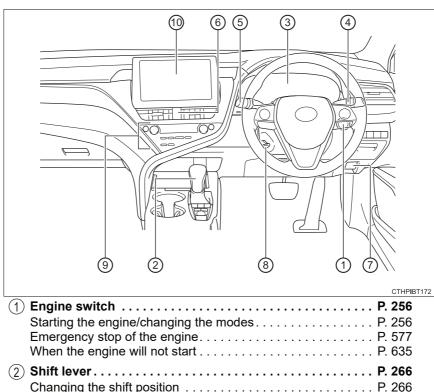
For Taiwan: DO NOT carry baby, infant and children on the front passenger seat. Except for the front passenger seat, NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P. 71)



 $<sup>^{</sup>ullet}$ 1: The illustration shows the front, but they may also be equipped in the rear.

<sup>\*2:</sup> If equipped

### Instrument panel (right-hand drive vehicles)

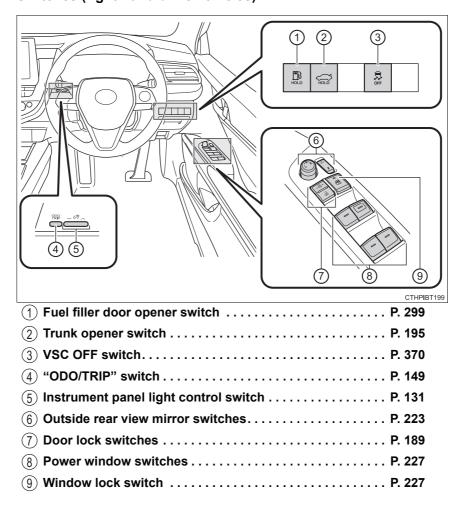


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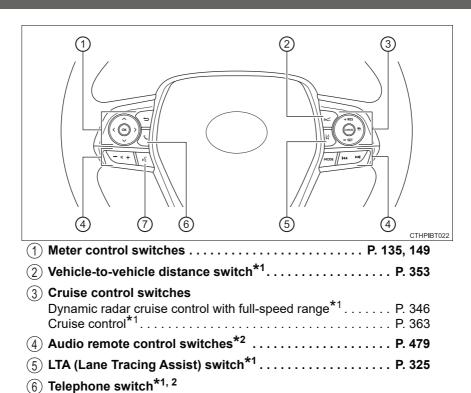
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10	Audio/visual system* Clock*		

<sup>\*:</sup> Refer to "Navigation and Multimedia System Owner's Manual".

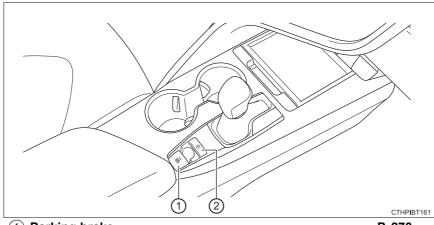
### Switches (right-hand drive vehicles)



(7) Talk switch\*1, 2

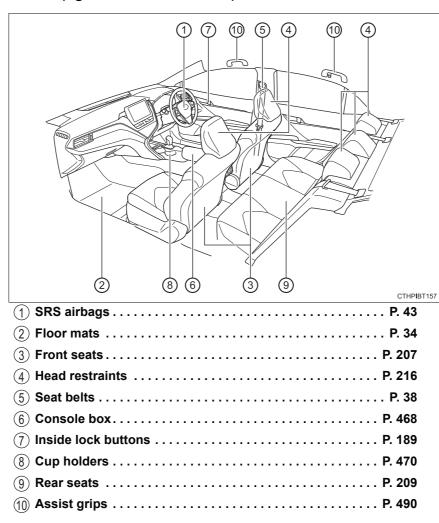


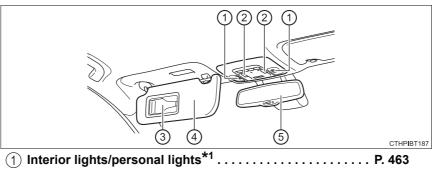
\*1: If equipped
\*2: For vehicles with a navigation or multimedia system, refer to
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#### Interior (right-hand drive vehicles)





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<sup>\*3:</sup> 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. 68)



 $<sup>^{</sup>ullet}$ 1: The illustration shows the front, but they may also be equipped in the rear.

<sup>\*2:</sup> If equipped

## For safety and security

1

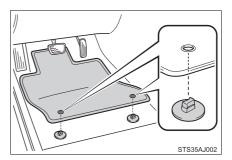
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### **Before driving**

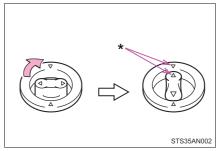
#### Floor mat

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

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



- 2 Turn the upper knob of each retaining hook (clip) to secure the floor mats in place.
  - \*: Always align the  $\triangle$  marks.



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

Observe the following precautions.

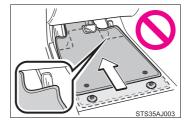
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

### ■When installing the driver's floor mat

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

### ■ Before driving

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

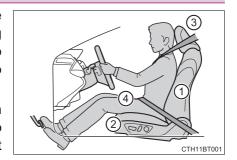


# For safe driving

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

## Correct driving posture

- 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. 207)
- 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. 207)



- ③ Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 216)
- (4) Wear the seat belt correctly. ( $\rightarrow$ P. 38)

### Correct use of the seat belts

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

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.  $(\rightarrow P. 64)$ 

### Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside and outside rear view mirrors properly. (→P. 221, 223)

### MARNING

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.

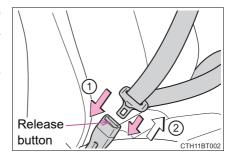
### Correct use of the seat belts

- 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

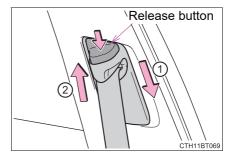
- 1 To fasten the seat belt, push the plate into the buckle until a click sound is heard.
- ② To release the seat belt, press the release button.



# 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.

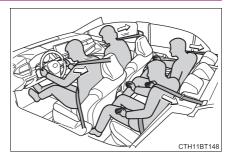
Move the height adjuster up and down as needed until you hear a click.



# Seat belt pretensioners (front seats for all models and outboard rear seats of some models\*1)

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.



- \*1: For vehicles with model code\*2 that has "W" as the last letter.
- \*2: The model code is indicated on the manufacturer's label. ( $\rightarrow$ P. 654)

### ■ 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. 64)
- 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

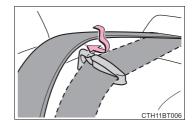
If the vehicle is involved in multiple collisions, the pretensioner will activate for the first collision, but will not activate for the second or subsequent collisions.

#### ■ Seat belt regulations

If seat belt regulations exist in the country where you reside, please contact your Toyota dealer 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

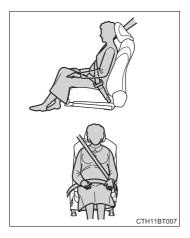
- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Each seat belt should be used by one person only. Do not use a seat belt for more than one person at once, including children.
- Toyota recommends that children be seated in the rear seat and always use a seat belt and/or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



### ■ People suffering illness

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

# **WARNING**

### ■When children are in the vehicle

→P. 104

#### ■ Seat belt pretensioners

- Vehicles with front passenger occupant classification system: Do not place anything, such as a cushion, on the front passenger's seat. Doing so will disperse the passenger's weight, which prevents the sensor from detecting the passenger's weight properly. As a result, the seat belt pretensioner for the front passenger's seat may not activate in the event of a collision.
- If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at your Toyota dealer.

#### ■ Adjustable shoulder anchor

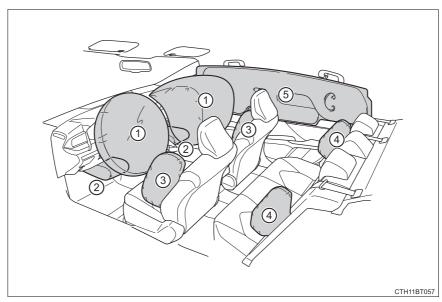
Always make sure the shoulder belt is positioned across the center of your shoulder. The belt should be kept away from your neck, but not falling off your shoulder. Failure to do so could reduce the amount of protection in an accident and cause death or serious injuries in the event of a sudden stop, sudden swerve or accident. ( $\rightarrow$ 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 your Toyota dealer
- Replace the seat assembly, including the belts, if your vehicle has been involved in a serious accident, even if there is no obvious damage.
- Do not attempt to install, remove, modify, disassemble or dispose of the seat belts. Have any necessary repairs carried out by your Toyota dealer. Inappropriate handling may lead to incorrect operation.
- Always make sure the shoulder belt passes through the guide when using the seat belt. Failure to properly position the belt may reduce the amount of protection in an accident and could lead to death or serious injury in a collision or sudden stop.
- Always make sure that the seat belt is not twisted, does not get caught in the guide or the seatback and is arranged in the proper position.

# 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

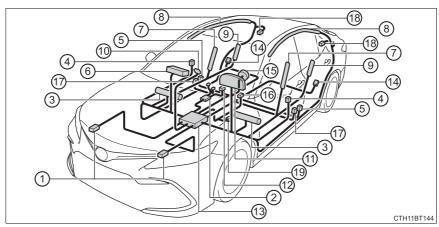
- 1 SRS driver airbag/front passenger airbag
  Can help protect the head and chest of the driver and front passenger from impact with interior components
- ② SRS knee airbags (if equipped)
  Can help provide driver and front passenger protection

## SRS side and curtain shield airbags

- ③ SRS front side airbags (if equipped)
  Can help protect the torso of the front seat occupants
- (4) SRS rear side airbags (if equipped)

  Can help protect the torso of occupants in the rear outer seats
- (5) SRS curtain shield airbags (if equipped) Can help protect primarily the head of occupants in the outer seats

### SRS airbag system components



- (1) Front impact sensors
- ② Front passenger occupant classification system (ECU and sensors) (if equipped)
- (3) Knee airbags (if equipped)
- (4) Side impact sensors (front doors) (if equipped)
- (5) Side impact sensors (front) (if equipped)
- (6) Front passenger airbag
- 7 Front side airbags (if equipped)
- 8 Curtain shield airbags (if equipped)
- (9) Rear side airbags (if equipped)
- (1) "AIRBAG ON" and "AIRBAG OFF" indicator lights (if equipped)

- (11) SRS warning light
- ① Front passenger's seat belt buckle switch (if equipped)
- (13) Airbag sensor assembly
- (4) Side impact sensors (rear) (if equipped)
- (15) Driver airbag
- (f) Driver's seat belt buckle switch (if equipped)
- Seat belt pretensioners and force limiters (front seats)
- (8) Seat belt pretensioners and force limiters (outboard rear seats) (if equipped)
- ① Driver's seat position sensor (if equipped)

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.

### ■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. 64)

## ■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.



 Vehicles with SRS side and curtain shield airbags: Do not lean against the door, the roof side rail or the front, side and rear pillars.



 Vehicles with SRS side airbags: Do not allow anyone to kneel on the passenger seats toward the door or put their head or hands outside the vehicle.



### ■SRS airbag precautions

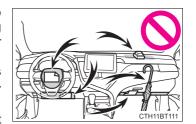
Vehicles without SRS knee airbags: Do not attach anything to or lean anything against areas such as the dashboard or steering wheel pad.

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

Vehicles with SRS knee airbags: 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.

- Vehicles with SRS side and curtain shield airbags: Do not attach anything to areas such as a door, windshield, windows, front or rear pillar, roof side rail and assist grip.
- Vehicles without a smart entry & start system and with an SRS driver's knee airbag: Do not attach any heavy, sharp or hard objects such as keys and accessories to the key. The objects may restrict the SRS knee airbag inflation or be thrust into the driver's seat area by the force of the deploying airbag, thus causing a danger.
- Vehicles with SRS curtain shield airbags: 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.







### ■SRS airbag precautions

- Vehicles with SRS knee airbags: If a vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.
- Vehicles with SRS side airbags: Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the 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.
- Vehicles without SRS side and curtain shield airbags: Do not strike or apply significant levels of force to the area of the SRS airbag components. Doing so can cause the SRS airbags to malfunction.
- Vehicles with SRS side and curtain shield airbags: 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.
- Vehicles without SRS curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad, are damaged or cracked, have them replaced by your Toyota dealer.
- Vehicles with SRS curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillar garnishes, are damaged or cracked, have them replaced by your Toyota dealer.
- Vehicles with front passenger occupant classification system: Do not place anything, such as a cushion, on the front passenger's seat. Doing so will disperse the passenger's weight, which prevents the sensor from detecting the passenger's weight properly. As a result, the SRS front airbags for the front passenger may not deploy in the event of a collision.

### ■ Modification and disposal of SRS airbag system components

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

- Installation, removal, disassembly and repair of the SRS airbags
- Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard, seats or seat upholstery, front, side and rear pillars, roof side rails, front door panels, front door trims or front door speakers
- Vehicles with SRS side and curtain shield airbags: 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 seats (vehicles with SRS side airbags), parts of the front and rear pillars, and roof side rails (vehicles with SRS curtain shield airbags), may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.
- All of the doors will be unlocked. (→P. 193)
- The brakes and stop lights will be controlled automatically. (→P. 368)
- The interior lights will turn on automatically. (→P. 466)
- The emergency flashers will turn on automatically. (→P. 576)
- Fuel supply to the engine will be stopped. (→P. 587)
- Vehicles with ERA-GLONASS/EVAK: If any of the following situations occurs, the system is designed to send an emergency call\* to the ERA-GLONASS/EVAK 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. 110)
  - · An SRS airbag is deployed.
  - A seat belt pretensioner is activated.
  - The vehicle is involved in a severe rear-end collision.
  - The vehicle is involved in a rollover accident.

<sup>\*:</sup> In some cases, the call cannot be made.  $(\rightarrow P. 110)$ 

### ■ 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.
- Vehicles with front passenger occupant classification system: The SRS front airbags for the front passenger will not activate if there is no passenger sitting in the front passenger seat. However, the SRS front airbags for the front passenger may deploy if luggage is put in the seat, even if the seat is unoccupied.

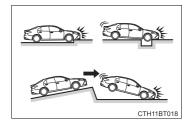
# ■ SRS airbag deployment conditions (SRS side and curtain shield airbags [if equipped])

- 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 (if equipped) may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.

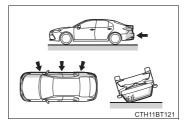
- Hitting a curb, edge of pavement or hard surface
- Falling into or jumping over a deep hole
- Landing hard or falling



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

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

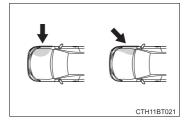
- Collision from the side
- Collision from the rear
- Vehicle rollover



# ■ Types of collisions that may not deploy the SRS airbags (SRS side and curtain shield airbags [if equipped])

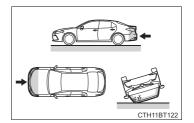
The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.

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



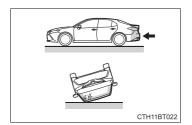
The SRS side airbags do not generally inflate if the vehicle is involved in a frontal or rear collision, if it rolls over, or if it is involved in a low-speed side collision.

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



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

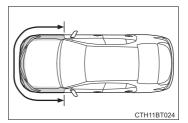
- Collision from the rear
- Vehicle rollover



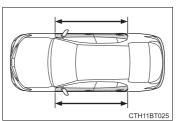
### ■When to contact your Toyota dealer

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

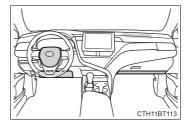
- Any of the SRS airbags have been inflated.
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS front airbags to inflate.



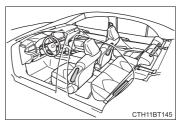
Vehicles with SRS side and curtain shield airbags: A portion of a door or its surrounding area is damaged, deformed or has had a hole made in it, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.



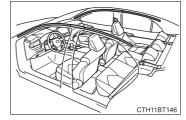
• The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the instrument panel (vehicles with SRS knee airbags) is scratched, cracked, or otherwise damaged.



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

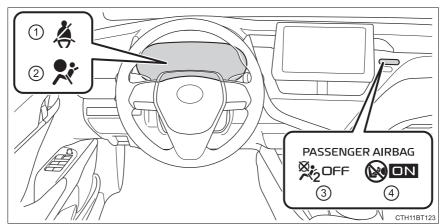


Vehicles with SRS curtain shield airbags: The portion of the front pillars, rear pillars or roof side rail garnishes (padding) containing the SRS curtain shield airbags inside is scratched, cracked, or otherwise damaged.



# Front passenger occupant classification system\*

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



- (1) Driver's and front passenger's seat belt reminder light
- (2) SRS warning light
- (3) "AIRBAG OFF" indicator light
- (4) "AIRBAG ON" indicator light

\*: If equipped

# Condition and operation in the front passenger occupant classification system

# ■ Adult\*1

Indicator/ warning light	"AIRBAG ON" and "AIRBAG OFF" indicator lights	"AIRBAG ON"
	SRS warning light	Off
	Driver's and front passenger's seat belt reminder light	Off <sup>*2</sup> or flashing <sup>*3</sup>
Devices	Front passenger airbag	Activated
	Front passenger knee airbag	

# ■ Child\*4

Indicator/ warning light	"AIRBAG ON" and "AIRBAG OFF" indicator lights	"AIRBAG OFF" or "AIRBAG ON"*4
	SRS warning light	Off
	Driver's and front passenger's seat belt reminder light	Off <sup>*2</sup> or flashing <sup>*3</sup>
Devices	Front passenger airbag	Deactivated or
	Front passenger knee airbag	activated*4

# ■ Child restraint system with infant\*5

Indicator/ warning light	"AIRBAG ON" and "AIRBAG OFF" indicator lights	"AIRBAG OFF" <sup>*6</sup>
	SRS warning light	Off
	Driver's and front passenger's seat belt reminder light	Off <sup>*2</sup> or flashing <sup>*3</sup>
Devices	Front passenger airbag	Deactivated
	Front passenger knee airbag	Deactivated

# ■ Unoccupied

Indicator/ warning light	"AIRBAG ON" and "AIRBAG OFF" indicator lights	"AIRBAG OFF"
	SRS warning light	Off
	Driver's and front passenger's seat belt reminder light	
Devices	Front passenger airbag	- Deactivated
	Front passenger knee airbag	

# ■ There is a malfunction in the system

Indicator/ warning light	"AIRBAG ON" and "AIRBAG OFF" indicator lights	"AIRBAG OFF"
	SRS warning light	On
	Driver's and front passenger's seat belt reminder light	
Devices	Front passenger airbag	Deactivated
	Front passenger knee airbag	

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

- \*5: Never install a rear-facing child restraint system on the front passenger seat. A forward-facing child restraint system should only be installed on the front passenger seat when it is unavoidable. (→P. 64)
- \*6: In case the indicator light is not illuminated, consult this manual on how to install the child restraint system properly. (→P. 67)

<sup>\*2:</sup> In the event the front passenger is wearing a seat belt.

<sup>\*3:</sup> In the event the front passenger does not wear a seat belt.

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

### Front passenger occupant classification system precautions

Observe the following precautions regarding the front passenger occupant classification system.

Failure to do so may cause death or serious injury.

- Wear the seat belt properly.
- Make sure the front passenger's seat belt plate has not been left inserted into the buckle before someone sits in the front passenger seat.
- Make sure the "AIRBAG OFF" indicator light is not illuminated when using the seat belt extender for the front passenger seat. If the "AIRBAG OFF" indicator light is illuminated, disconnect the extender tongue from the seat belt buckle, and reconnect the seat belt. Reconnect the seat belt extender after making sure the "AIRBAG ON" indicator light is illuminated. If you use the seat belt extender while the "AIRBAG OFF" indicator light is illuminated, the SRS airbags for the front passenger will not activate, which could cause death or serious injury in the event of a collision.
- Do not apply a heavy load to the front passenger seat or equipment (e.g. seatback pocket).
- Do not put weight on the front passenger seat by putting your hands or feet on the front passenger seat seatback from the rear passenger seat.
- Do not let a rear passenger lift the front passenger seat with their feet or press on the seatback with their legs.
- Do not put objects under the front passenger seat.

# **WARNING**

### ■Front passenger occupant classification system precautions

- Do not recline the front passenger seatback so far that it touches a rear seat. This may cause the "AIRBAG OFF" indicator light to be illuminated, which indicates that the SRS airbags for the front passenger will not activate in the event of a severe accident. If the seatback touches the rear seat, return the seatback to a position where it does not touch the rear seat. Keep the front passenger seatback as upright as possible when the vehicle is moving. Reclining the seatback excessively may lessen the effectiveness of the seat belt system.
- If an adult sits in the front passenger seat, the "AIRBAG ON" indicator light is illuminated. If the "AIRBAG OFF" indicator is illuminated, ask the passenger to sit up straight, well back in the seat, feet on the floor, and with the seat belt worn correctly. If the "AIRBAG OFF" indicator still remains illuminated, either ask the passenger to move to the rear seat, or if that is not possible, move the front passenger seat fully rearward.
- When it is unavoidable to install a forward-facing child restraint system on the front passenger seat, install the child restraint system on the front passenger seat in the proper order. (→P. 100)
- Do not modify or remove the front seats.
- Do not kick the front passenger seat or subject it to severe impact. Otherwise, the SRS warning light may come on to indicate a malfunction of the front passenger occupant classification system. In this case, contact your Toyota dealer immediately.
- Child restraint systems installed on the rear seat should not contact the front seatbacks.
- Do not use a seat accessory, such as a cushion and seat cover, that covers the seat cushion surface.
- Do not modify or replace the upholstery of the front seat.
- Do not place anything between the console box and front passenger seat.
   Otherwise, the system may not detect the front passenger properly, leading to improper operation of the airbags.
- Adjust the front passenger seat so that the head restraint does not touch the ceiling. If the head restraint is left in contact with the ceiling, the system may not detect the front passenger properly, leading to improper operation of the airbags.

# **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 your Toyota dealer as soon as possible.

### ■When parking

- If the vehicle is in a poorly ventilated area or a closed area, such as a garage, stop the engine.
- Do not leave the vehicle with the engine 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 engine running in an area with snow build-up, or where it is snowing. If snowbanks build up around the vehicle while the engine 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 your Toyota dealer.

# Riding with children

Observe the following precautions when children are in the vehicle.

Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt.

- It is recommended that children sit in the rear seats to avoid accidental contact with the shift lever, wiper switch etc.
- Use the rear door child-protector lock or the window lock switch to avoid children opening the door while driving or operating the power window accidentally.
- 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, the moon roof or panoramic moon roof, or other features of the vehicle. In addition, heat build-up or extremely cold temperatures inside the vehicle can be fatal to children.

# **Child restraint systems**

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

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

## **Table of contents**

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When using a child restraint system	P. 67
Child restraint system compatibility for each seating	
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Fixed with an ISOFIX lower anchorage	P. 105
Using a top tether anchorage	P. 108

### Points to remember

- If child restraint system regulations exist in the country where you reside, please contact your Toyota dealer for the child restraint system installation.
- Use a child restraint system until the child becomes large enough to properly wear the vehicle's seat belt.
- For Egypt, Ukraine, Russia, Armenia, Kazakhstan, Taiwan, Argentina: Choose a child restraint system appropriate to the age and size of the child.
- Except for Egypt, Ukraine, Russia, Armenia, Kazakhstan, Taiwan, Argentina: Choose a child restraint system that suits your vehicle and is appropriate to the age and size of the child.
- For Egypt, Ukraine, Russia, Armenia, Kazakhstan, Taiwan, Argentina: 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. 73, 79, 87, 92)

### ■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.
- For Egypt, Ukraine, Russia, Armenia, Kazakhstan, Taiwan, Argentina: 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. 73, 79, 87, 92) 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.
- Except for Egypt, Ukraine, Russia, Armenia, Kazakhstan, Taiwan, Argentina: Make sure you have complied with all installation instructions provided with the child restraint system manufacturer and that the system is properly secured.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the trunk.

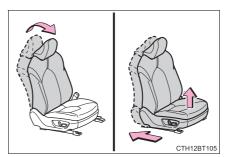
### When using a child restraint system

# ■ When installing a child restraint system to a front passenger seat (except for Taiwan)

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.

 Adjust the seatback angle to the most upright position.

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



- Move the seat fully rearward.
- Move the seat height to the upper most 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.

# **№** WARNING

### ■When using a child restraint system (except for Taiwan)

Observe the following precautions.

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

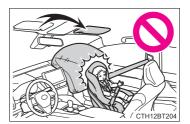
Never use a rear-facing child restraint system on the front passenger seat.

The force of the rapid inflation of the front passenger airbag can cause death or serious injury to children in the event of an accident.



## ■When using a child restraint system (except for Taiwan)

• 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.





### ■When using a child restraint system (except for Taiwan)

- Vehicles with front passenger occupant classification system: Never install a rear-facing child restraint system on the front passenger seat even if the "AIRBAG OFF" indicator light is illuminated. In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child if the rear-facing child restraint system is installed on the front passenger seat.
- Vehicles with front passenger occupant classification system: A forward-facing child restraint system may be installed on the front passenger seat only when it is unavoidable. A child restraint system that requires a top strap should not be used in the front passenger seat since there is no top strap anchor for the front passenger seat.
- Vehicles without front passenger occupant classification system:
  Only put a forward-facing child restraint system on the front seat when unavoidable. When installing a forward-facing child restraint on the front passenger seat, move the seat as far back as possible. Failing to do so may result in death or serious injury if the airbags deploy (inflate).



• Vehicles with front passenger occupant classification system: A forward-facing child restraint system may be installed on the front passenger seat only when it is unavoidable. When installing a forward-facing child restraint system on the front passenger seat, raise the seatback as much as possible, move the seat to the rearmost position, and raise the seat to the highest position, even if the "AIRBAG OFF" indicator light is illuminated.

If the head restraint interferes with the installation of the child restraint system, and the head restraint can be removed, remove the head restraint. If the head restraint cannot be removed, raise it to the uppermost position.

### ■When using a child restraint system (except for Taiwan)

• Vehicles with SRS side airbags: 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 from which the SRS side airbags deploy even if the child is seated in the child restraint system. It is dangerous if the SRS side airbags inflate, and the impact could cause death or serious injury to the child.



- Vehicles with SRS side and curtain shield airbags: Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front or rear pillars, or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the SRS side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.
- When a junior seat (booster seat) is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder.
- Use child restraint system suitable to the age and size of the child and install it to the rear seat.
- If the driver's seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the right-hand rear seat (left-hand drive vehicles) or the left-hand rear seat (right-hand drive vehicles).



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

### **MARNING**

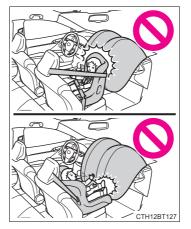
### ■When installing a child restraint system (for Taiwan)

Observe the following precautions.

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

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

The force of the rapid inflation of the front passenger airbag can cause death or serious injury to children in the event of an accident.



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

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





"9L" in the illustration is not related to the contents of the warning label.

### **MARNING**

### ■When using a child restraint system (for Taiwan)

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

• 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 curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the curtain shield airbags inflate, and the impact could cause death or serious injury to the child.



- When a junior seat (booster seat) is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder.
- Use child restraint system suitable to the age and size of the child and install it to the rear seat.
- If the driver's seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the right-hand rear seat.
- Adjust the front passenger seat so that it does not interfere with the child restraint system.



# Child restraint system compatibility for each seating position (for Egypt)

### ■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems ( $\rightarrow$ P. 75) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols.

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

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

1 Checking the child restraint system standards.

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

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

Check for an approval mark attached to the child restraint system

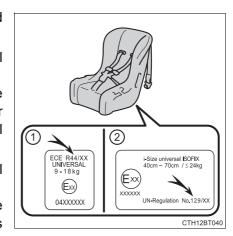
Example of the displayed regulation number

1 UN(ECE) R44 approval mark\*3

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

② UN(ECE) R129 approval mark\*3

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

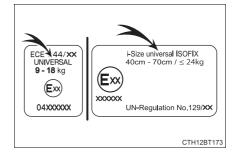


- \*1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.
- \*2: The child restraint systems mentioned in the table may not be available outside of the EU area.
- \*3: The displayed mark may differ depending on the product.
- 2 Checking the category of the child restraint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

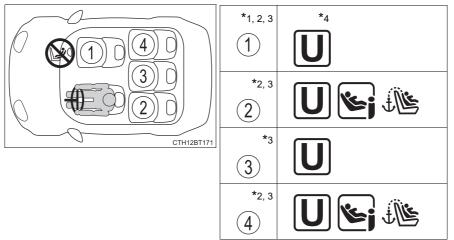
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable.

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

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



# ■ Compatibility of each seating position with child restraint systems





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



Suitable for i-Size and ISOFIX child restraint system.



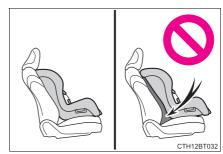
Includes a top tether anchorage point.



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

- \*1: Move the front seat fully rearward. If the passenger seat height can be adjusted, move it to the upper most position.
- \*2: Adjust the seatback angle to the most upright position.

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



- \*3: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.
- \*4: Use only a front-facing child restraint system.

### ■ Detail information for child restraint systems installation

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

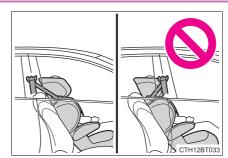
Fixture	Description
F3	Full-height, forward-facing child restraint systems
F2	Reduced-height forward-facing child restraint systems
F2X	Reduced-height forward-facing child restraint systems
R3	Full-size, rearward-facing child restraint systems
R2	Reduced-size, rearward-facing child restraint systems
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
В3	Junior seat

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

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

- When installing a child restraint in the rear seats, adjust the front seat so that it does not interfere with the child or child restraint system.
- When installing a child seat with support base, if the child seat interferes with the seatback when latching it into the support base, adjust the seatback rearward until there is no interference.

 If the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.



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

# Child restraint system compatibility for each seating position (for Ukraine, Russia, Armenia, Kazakhstan)

■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems  $(\rightarrow P.~82)$  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. 85)

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.



<sup>\*1:</sup> UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

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

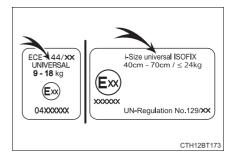
<sup>\*3:</sup> The displayed mark may differ depending on the product.

2 Checking the category of the child restraint system.

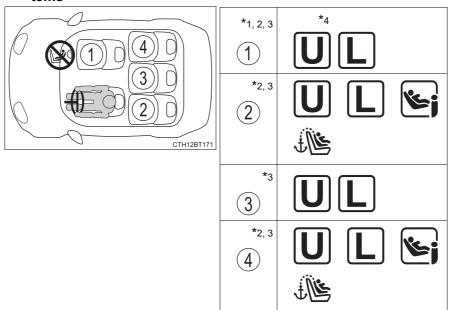
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable.

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





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  $(\rightarrow P.~85)$ 



Suitable for i-Size and ISOFIX child restraint system.



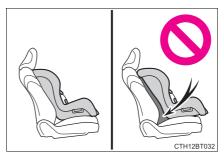
Includes a top tether anchorage point.



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

- \*1: Move the front seat fully rearward. If the passenger seat height can be adjusted, move it to the upper most position.
- \*2: Adjust the seatback angle to the most upright position.

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



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

  Otherwise, put the head restraint in the upper most position.
- \*4: Use only a front-facing child restraint system.

### ■ Detail information for child restraint systems installation

Seat position	Seating position				
number	1	2	3	4	
Seating position suitable for universal belted (Yes/No)	Yes Forward facing only	Yes	Yes	Yes	
i-Size seating position (Yes/No)	No	Yes	No	Yes	
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	No	
Suitable rearward facing fixture (R1/R2X/R2/R3/No)	No	R1, R2X,R2, R3	No	R1, R2X,R2, R3	
Suitable forward facing fixture (F2X/F2/F3/No)	No	F2X, F2, F3	No	F2X, F2, F3	
Suitable junior seat fixture (B2/B3/No)	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
В3	Junior seat

## ■ Recommended child restraint systems and Compatibility table

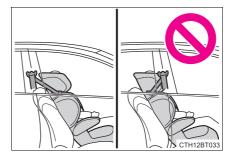
M	Recommended	Seating position			
Mass groups	Child Restraint System	1	2	3	4
0, 0+ Up to 13 kg (28 lb.)	G0+, BABY SAFE PLUS (Yes/No)	No	Yes	Yes	Yes
	G0+ BABY SAFE PLUS with SEAT BELT FIXATION, BASE PLATFORM (Yes/No)	No	Yes	No	Yes
I 9 to 18 kg (20 to 39 lb.)	DUO PLUS (Yes/No)	Yes Belt fix only	Yes	No	Yes
II, III 15 to 36 kg (34 to 79 lb.)	KIDFIX XP SICT (Yes/No)	No	Yes	No	Yes
	MAXI PLUS (Yes/No)	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 compatibility for each seating position (for Taiwan)

### ■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems ( $\rightarrow$ P. 89) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols.

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

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

1 Checking the child restraint system standards.

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

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

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

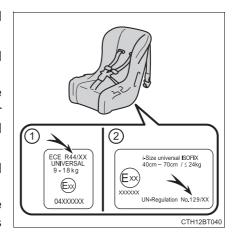
Example of the displayed regulation number

1 UN(ECE) R44 approval mark\*3

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

② UN(ECE) R129 approval mark\*3

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

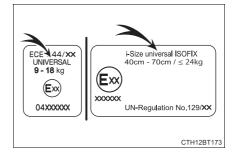


- \*1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.
- \*2: The child restraint systems mentioned in the table may not be available outside of the EU area.
- \*3: The displayed mark may differ depending on the product.
- 2 Checking the category of the child restraint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

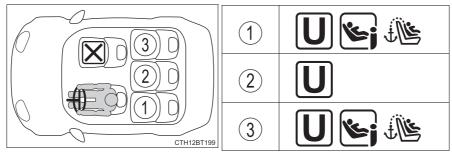
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable.

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

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



# ■ Compatibility of each seating position with child restraint systems





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



Suitable for i-Size and ISOFIX child restraint system.



Includes a top tether anchorage point.



Not suitable for child restraint system.

### ■ Detail information for child restraint systems installation

Seet position number	Seating position			
Seat position number	1	2	3	
Seating position suitable for universal belted (Yes/No)	Yes	Yes	Yes	
i-Size seating position (Yes/No)	Yes	No	Yes	
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	
Suitable rearward facing fixture (R1/R2X/R2/R3/No)	R1, R2X,R2, R3	No	R1, R2X,R2, R3	
Suitable forward facing fixture (F2X/F2/F3/No)	F2X, F2, F3	No	F2X, F2, F3	
Suitable junior seat fixture (B2/B3/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
В3	Junior seat

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

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

• When installing a child restraint in the rear seats, adjust the front seat so that it does not interfere with the child or child restraint system.

# Child restraint system compatibility for each seating position (for Argentina)

### ■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems ( $\rightarrow$ P. 95) 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. ( $\rightarrow$ P. 98)

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

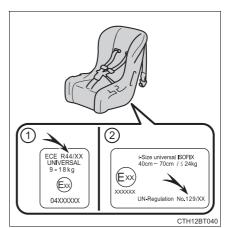
Example of the displayed regulation number

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.



<sup>\*1:</sup> UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

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

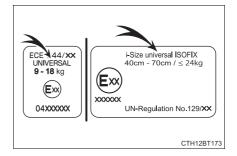
<sup>\*3:</sup> The displayed mark may differ depending on the product.

2 Checking the category of the child restraint system.

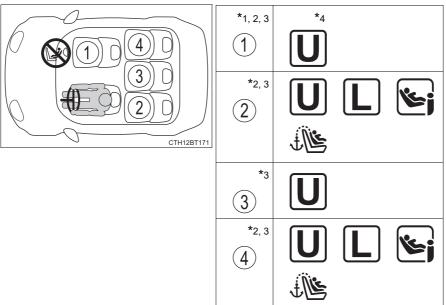
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable.

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





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  $(\rightarrow P. 98)$ 



Suitable for i-Size and ISOFIX child restraint system.



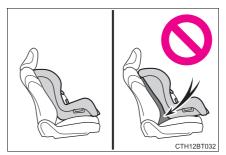
Includes a top tether anchorage point.



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

- \*1: Move the front seat fully rearward. If the passenger seat height can be adjusted, move it to the upper most position.
- \*2: Adjust the seatback angle to the most upright position.

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



- \*3: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.
- \*4: Use only a front-facing child restraint system.

### ■ Detail information for child restraint systems installation

Seat position	Seating position				
number	1	2	3	4	
Seating position suitable for universal belted (Yes/No)	Yes Forward facing only	Yes	Yes	Yes	
i-Size seating position (Yes/No)	No	Yes	No	Yes	
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	No	
Suitable rearward facing fixture (R1/R2X/R2/R3/No)	No	R1, R2X,R2, R3	No	R1, R2X,R2, R3	
Suitable forward facing fixture (F2X/F2/F3/No)	No	F2X, F2, F3	No	F2X, F2, F3	
Suitable junior seat fixture (B2/B3/No)	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
В3	Junior seat

## ■ Recommended child restraint systems and Compatibility table

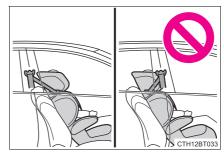
	Recommended	Seating position			
Mass groups	Child Restraint System	1	2	3	4
0, 0+ Up to 13 kg (28 lb.)	MIDI 2 (Yes/No)	No	Yes	No	Yes
I 9 to 18 kg (20 to 39 lb.)	MIDI 2 (Yes/No)	No	Yes	No	Yes

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

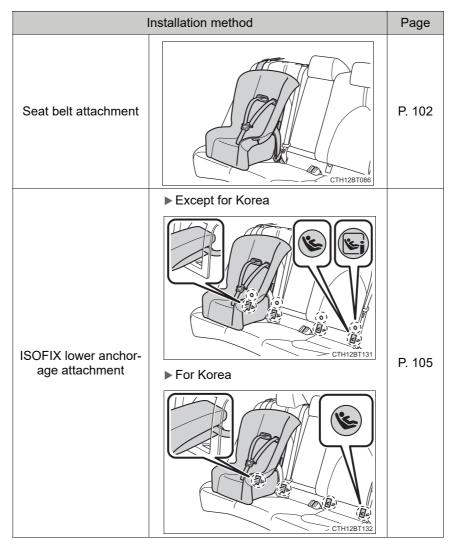
- When installing a child restraint in the rear seats, adjust the front seat so that it does not interfere with the child or child restraint system.
- When installing a child seat with support base, if the child seat interferes with the seatback when latching it into the support base, adjust the seatback 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.

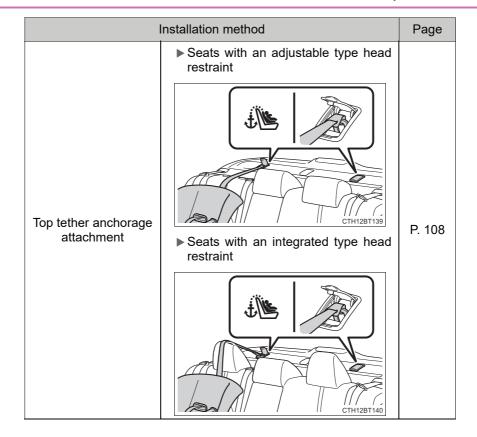


• When installing a junior seat, if the child in your child restraint system is in a very upright position, adjust the seatback angle to the most comfortable position. And if the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.

### Child restraint system installation method

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





#### 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. 74, 75, 81, 82, 88, 89, 94, 95)

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. 67 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.

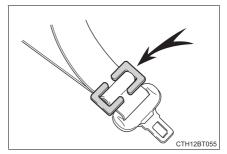
2 If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint.

Otherwise, put the head restraint in the upper most position.  $(\rightarrow P. 216)$ 

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.



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. 104)

### ■ Removing a child restraint system installed with a seat belt

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

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

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

#### ■ When installing a child restraint system

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

### **MARNING**

### ■When installing a child restraint system

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

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

#### Child restraint system fixed with an ISOFIX lower anchorage

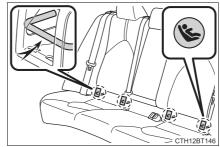
### ■ ISOFIX lower anchorages (ISOFIX child restraint system)

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

▶ Except for Korea







# ■ 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. 74, 75, 81, 82, 88, 89, 94, 95)

- 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 the child restraint system installation and the head restraint can be removed, remove the head restraint.

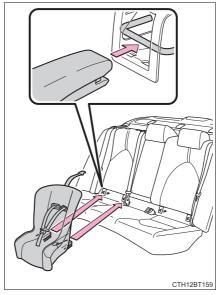
Otherwise, put the head restraint in the upper most position.  $(\rightarrow P. 216)$ 

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.

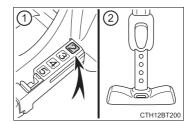


5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P. 104)

#### ■ When using a "MIDI 2" (for Latin American countries\*)

Adjust the support leg and ISOFIX connectors as follows:

- ① Lock the ISOFIX connectors where number 2 can be seen.
- ② Lock the support leg where 4 holes can be seen.
- \*: Argentina, Aruba and Curacao



# **MARNING**

#### ■When installing a child restraint system

Observe the following precautions.

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

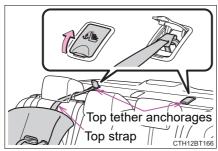
- After securing a child restraint system, never adjust the seat.
- When using the lower anchorages, be sure that there are no foreign objects around the anchorages and that the seat belt is not caught behind the child restraint system.
- Follow all installation instructions provided by the child restraint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

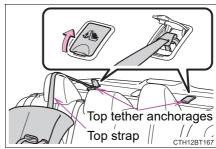
## Using a top tether anchorage

#### ■ Top tether anchorages

Top tether anchorages are provided for the rear outboard seats. Use top tether anchorages when fixing the top strap.

- type head restraint
- ▶ Seats with an adjustable ▶ Seats with an integrated type head restraint



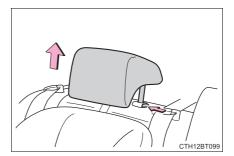


## ■ Fixing the top strap to the top tether anchorage

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 the child restraint system or top strap installation and the head restraint can be removed, remove the head restraint. (→P. 216)

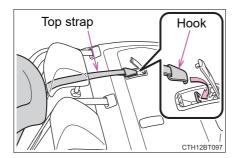


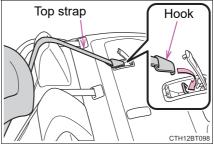
2 Open the top tether anchorage cover, latch the hook onto the top tether anchorage and tighten the top strap.

Make sure the top strap is securely latched. ( $\rightarrow$ P. 104)

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

- type head restraint
- ▶ Seats with an adjustable ▶ 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 anchor-
- 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.

# ERA-GLONASS/EVAK\*1, 2, 3

The Emergency Call system is a device installed on a vehicle to determine its location and movement direction (using GLONASS [Global Navigation Satellite System] and GPS [Global Positioning System] signals), and ensure the generation and transmission of vehicle information (in a nonadjustable form) in case of traffic accidents or other incidents on motor roads in the countries offering emergency notification services. In addition, it ensures two-way voice communication between the vehicle and an ERA-GLONASS/EVAK system operator through cellular networks (GSM).

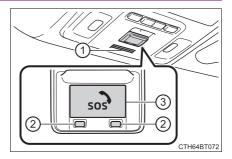
Automatic Emergency Calls (via Automatic Collision Notification) and manual Emergency Calls (by pressing the "SOS" button) can be made to the ERA-GLONASS/EVAK control center.

This service is mandatory according to the technical regulations of the Customs Union.

#### System components

- 1 Microphone
- (2) Indicator lights
- (3) "SOS" button\*
- \*: This button is intended for communication with the ERA-GLONASS/ EVAK 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 ERA-GLONASS/EVAK system operator.



\*1: If equipped

\*2: Operates within regions offering emergency notification services. Ask your Toyota dealer for details.

\*3: The system name differs depending on the country.

#### **Emergency Notification Services**

## ■ Automatic Emergency Calls

If any airbag deploys, the system is designed to automatically call the ERA-GLONASS/EVAK 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. ( $\rightarrow$ P. 113)

# ■ Manual Emergency Calls

In the event of an emergency, press the "SOS" button to call the ERA-GLONASS/EVAK control center.\* The answering operator will determine your vehicle's location, assess the situation, and dispatch the necessary assistance required.

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

<sup>\*:</sup> In some cases, the call cannot be made.  $(\rightarrow P. 113)$ 

#### Indicator lights

When the engine switch is turned to IGNITION ON mode, 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 engine switch is turned to IGNITION ON mode, 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.

#### Device test mode

A test mode is provided for to check the performance of the Emergency Call system. To test the device, contact your Toyota dealer.

#### ■ Free/Open Source Software Information

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

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

http://www.opensourceautomotive.com/dcm/toyota/

# **MARNING**

#### ■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 ERA-GLONASS/EVAK control center if the reception is poor or the line is busy. In such cases, even though the system attempts to connect to the ERA-GLONASS/EVAK control center, you may not be able to connect to the ERA-GLONASS/EVAK 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 ERA-GLONASS/EVAK control center. However, if it cannot connect to the ERA-GLONASS/EVAK 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.
  - This device may not function if a shock is applied to it.
- If the battery's voltage decreases or there is a disconnection, the system may not be able to connect to the ERA-GLONASS/EVAK control center.

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

The Emergency Call system should be registered. Contact your Toyota dealer.

# **MARNING**

#### ■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.
- Since the system detects shocks, the automatic reporting may not always occur synchronized with the operation of the airbag system. (If the vehicle is struck from behind, etc.)
- 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 your Toyota dealer.



#### ■ 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 ERA-GLONASS/EVAK control center operator. If any of the above equipment is damaged, please consult your Toyota dealer.

# **Engine immobilizer system**

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

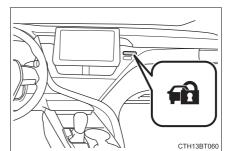
Never leave the keys inside the vehicle when you leave the vehicle.

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

Vehicles without a smart entry & start system:

The indicator light flashes after the key has been removed from the engine switch to indicate that the system is operating.

The indicator light stops flashing after the registered key has been inserted into the engine switch to indicate that the system has been canceled.



Vehicles with a smart entry & start system:

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

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

#### ■System maintenance

The vehicle has a maintenance-free type engine immobilizer system.

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

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



#### NOTICE

#### ■To ensure the system operates correctly

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

# Alarm<sup>\*</sup>

#### The alarm

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

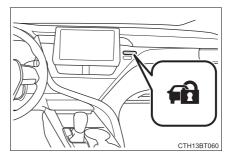
The alarm is triggered in the following situations when the alarm is set:

- ▶ Vehicles without a smart entry & start system
- A locked door or trunk is unlocked or opened in any way other than using the wireless remote control. (The doors will lock again automatically.)
- The hood is opened.
- ▶ Vehicles with a smart entry & start system (except for Hong Kong and Macao)
- A locked door or trunk is unlocked or opened in any way other than using the entry function (if equipped) or wireless remote control. (The doors will lock again automatically.)
- The hood is opened.
- ▶ Vehicles with a smart entry & start system (for Hong Kong and Macao)
- A locked door is unlocked or opened in any way other than using the entry function, wireless remote control or mechanical key. (The doors will lock again automatically.)
- The trunk is opened in any way other than using the entry function or wireless remote control.
- The hood is opened.

#### Setting the alarm system

Vehicles without a smart entry & start system: Close the doors, trunk and hood, and lock all the doors using the wireless remote control. The system will be set automatically after 30 seconds.

Vehicles with a smart entry & start system: Close the doors, trunk and hood, and lock all the doors using the entry function (if equipped) or wireless remote control. The system will be set automatically after 30 seconds.



For Hong Kong and Macao, the alarm can also be set using the mechanical key.

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 alarm:

- ▶ Vehicles without a smart entry & start system
- Unlock the doors or open the trunk using the wireless remote control.
- Start the engine. (The alarm will be deactivated or stopped after a few seconds.)
- ▶ Vehicles with a smart entry & start system (except for Hong Kong and Macao)
- Unlock the doors or open the trunk using the entry function (if equipped) or wireless remote control.
- Start the engine. (The alarm will be deactivated or stopped after a few seconds.)
- ▶ Vehicles with a smart entry & start system (for Hong Kong and Macao)
- Unlock the doors.
- Open the trunk using the entry function or wireless remote control.
- Turn the engine switch to ACCESSORY or IGNITION ON mode, or start the engine. (The alarm will be deactivated or stopped after a few seconds.)

#### ■System maintenance

The vehicle has a maintenance-free type alarm system.

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

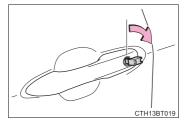
To prevent unexpected triggering of the alarm and vehicle theft, make sure of the following:

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

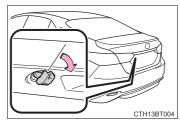
## ■ Triggering of the alarm

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

The doors are unlocked using the key or mechanical key.



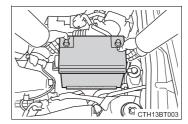
The trunk is opened using the key or mechanical key.



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



The battery is recharged or replaced when the vehicle is locked. (→P. 643)



#### ■ 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 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.

123

# Instrument cluster

2

# 2. Instrument cluster

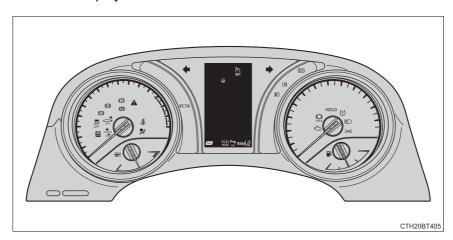
Warning lights and	
indicators	.124
Gauges and meters	.130
Multi-information display	
(4.2-inch display)	.134
Multi-information display	
(7-inch display)	.147
Head-up display	.166
Fuel consumption	
information	173

# **Warning lights and indicators**

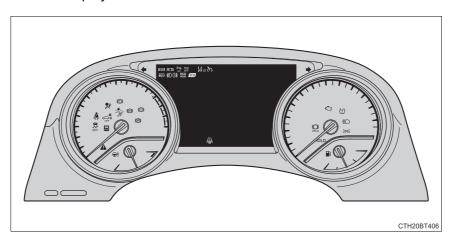
The warning lights and indicators on the instrument cluster, center panel and outside rear view mirrors inform the driver of the status of the vehicle's various systems.

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

#### ▶ 4.2-inch display



# ▶ 7-inch display



# Warning lights

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



Brake system warning light (→P. 588)



Electric power steering system warning light (→P. 589)



Brake system warning light ( $\rightarrow$ P. 588)



PCS warning light (→P. 590)



Malfunction indicator lamp (→P. 588)



PKSB OFF indicator (→P. 590)



SRS warning light (→P. 588)



LTA indicator (→P. 590)



ABS warning light (→P. 589)



Toyota parking assistsensor OFF indicator (→P. 590)



Inappropriate pedal operation warning light (→P. 589)



RCD OFF indicator (→P. 591)



Parking brake indicator (→P. 589)



Slip indicator (→P. 591)



Brake hold operated indicator (→P. 589)



Low fuel level warning light (→P. 591)



Driver's and front passenger's seat belt reminder light (→P. 591)



Master warning light (→P. 591)



Rear passengers' seat belt reminder lights (→P. 591)



Tire pressure warning light (→P. 592)

- \*1: These lights turn on when the engine switch is turned to the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or turn off. Have the vehicle inspected by your Toyota dealer.
- \*2: This light illuminates on the multi-information display with a message.
- \*3: This light flashes to indicate a malfunction.
- \*4: This light illuminates on the center panel.

#### Indicators

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



Turn signal indicator (→P. 272)



Brake hold standby indicator (→P. 277)



Tail light indicator (→P. 279)



Cruise control indicator  $(\rightarrow P. 346, 363)$ 



Headlight high beam indicator (→P. 280)



Dynamic radar cruise control indicator (→P. 346)



Automatic High Beam indicator (→P. 284)



Cruise control "SET" indicator (→P. 346, 363)



Front fog light indicator  $(\rightarrow P. 288)$ 



PCS warning light (→P. 307)



Rear fog light indicator  $(\rightarrow P. 288)$ 



PKSB OFF indicator (→P. 410)



Eco driving indicator (→P. 145, 163)



LTA indicator (→P. 325)



Parking brake indicator (→P. 273)



(Green)

LTA indicator (→P. 308, 325)

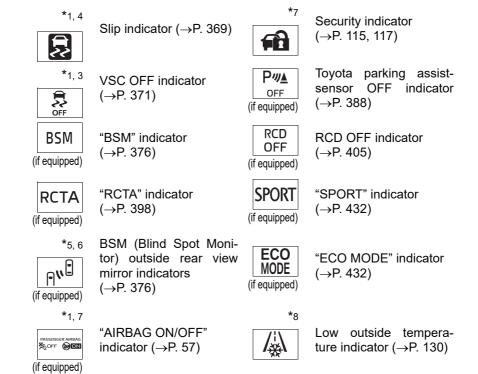


Brake hold operated indicator (→P. 277)



(Yellow)

LTA indicator (→P. 325)



- \*1: These lights turn on when the engine switch is turned to the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or turn off. Have the vehicle inspected by your Toyota dealer.
- \*2: This light does not turn on when the system is disabled.
- \*3: This light turns on when the system is off.
- \*4: This light flashes to indicate that the system is operating.
- \*5: 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 engine switch is turned to IGNITION ON mode.
  - When the engine switch is in IGNITION ON mode and the BSM function is enabled.
  - When the engine switch is in IGNITION 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 your Toyota dealer.
- \*6: This light illuminates on the outside rear view mirrors.
- \*7: This light illuminates on the center panel.
- \*8: When the outside temperature is approximately 3°C (37°F) or lower, this indicator will flash for approximately 10 seconds, then stay on.

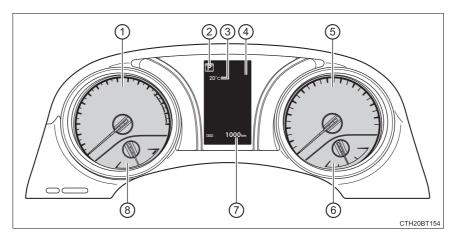
# **WARNING**

#### ■If a safety system warning light does not come on

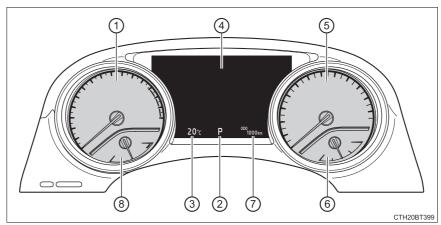
Should a safety system light such as the ABS and SRS warning lights not come on when you start the engine, this could mean that these systems are not available to help protect you in an accident, which could result in death or serious injury. Have the vehicle inspected by your Toyota dealer immediately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

# **Gauges and meters**

# ▶ 4.2-inch display



# ▶ 7-inch display



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

- (1) Tachometer
  - Displays the engine speed in revolutions per minute
- (2) Shift position (→P. 261, 266)
- (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 ( $\rightarrow$ P. 134, 147) Displays warning messages in case of a malfunction ( $\rightarrow$ P. 597)

- (5) Speedometer
- (6) Fuel gauge

Displays the fuel level. In the following situations, the actual fuel level may not be displayed correctly:

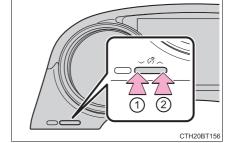
- After refueling only a small amount (approximately 5 L or less)
- · When stopped on a hill or other slope
- · When driving on a slope or around a curve
- (7) Odometer and trip meter ( $\rightarrow$ P. 143, 162)
- (8) Engine coolant temperature gauge

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. 132

#### ■ The meters and display illuminate when

▶ Vehicles without a smart entry & start system

The engine switch is in the "ON" position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION 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.

#### ■ 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 your Toyota dealer.

#### ■ Fuel gauge and driving range display

The fuel gauge and driving range display are linked. If the fuel gauge and driving range display do not update after refueling a small amount, they can be updated by performing the following procedure:

- 1 Stop the vehicle on a level surface.
  - Wait until the fuel in the fuel tank stabilizes.
- 2 Press the ODO/TRIP switch to change the odometer and trip meter display to the odometer.
- 3 Turn the engine switch off.
- 4 Vehicles without a smart entry & start system:

While pressing and holding the ODO/TRIP switch, turn the engine switch to the "ON" position.

Vehicles with a smart entry & start system:

While pressing and holding the ODO/TRIP switch, turn the engine switch to IGNITION ON mode.

5 Continue holding the ODO/TRIP switch for approximately 5 seconds. Release the switch when the odometer begins blinking.

Updating will be complete when the odometer blinks for approximately 5 seconds and then returns to the normal display.

# **№** NOTICE

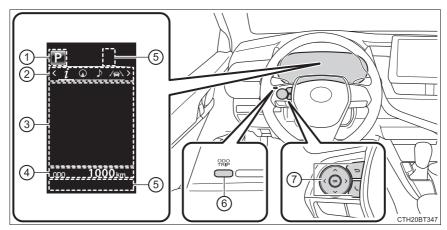
#### ■ To prevent damage to the engine and its components

- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P. 646)

# Multi-information display (4.2-inch 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) Shift position (→P. 261, 266)
- (2) Menu icon display area

Displays the following items.

When a menu icon is not selected, the outside temperature and clock are displayed.

- Menu icons (→P. 136)
- Outside temperature (→P. 130)
- Clock\* (→P. 142)

#### (3) 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. 136)
- Suggestion function (→P. 144)
- Warning message (→P. 597)
- (4) Odometer/trip meter (→P. 143)
- (5) Indicators ( $\rightarrow$ P. 124)

<sup>\*:</sup> Vehicles with a navigation or multimedia system: For clock setting, refer to "Navigation and Multimedia System Owner's Manual".

- (6) "ODO/TRIP" switch (→P. 135)
- (7) Meter control switches (→P. 135)

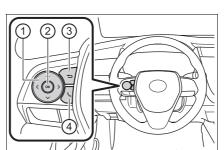
# Using the multi-information display

#### Using the content display area

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

- Scroll screens\*, change the displayed content\* and move the cursor
- ② Press: Enter/Set Press and hold: Reset
- 3 Return to the previous screen

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



(4) Call sending/receiving and history display

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

\*: 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

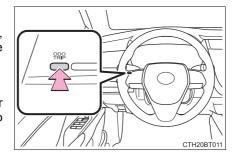
Items in this area are operated using the "ODO/TRIP" switch.

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.



Drive information ( $\rightarrow$ P. 137)

Select to display various drive data.



Navigation system-linked display (if equipped)

Select to display the following navigation system-linked information.

- · Route guidance
- · Compass display (heading-up display)



Audio system-linked display

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



Driving assist system information

Select to display the operational status of the following systems:

- Cruise control (if equipped) (→P. 363)
- Dynamic radar cruise control with full-speed range (if equipped)
   (→P. 346)
- LTA (Lane Tracing Assist) (if equipped) (→P. 325)



Warning message display (→P. 597)

Select to display warning messages and measures to be taken if a malfunction is detected.



Settings display (→P. 139)

Select to change the meter display settings and other settings.

AVG.

10.0 L/100km

40 km/h

0:20

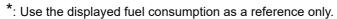
CTH20BT134ME

# Drive information ( i )

#### ■ Trip (after start)

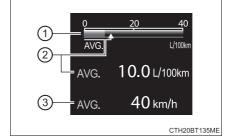
- 1 Average fuel economy\*

  Displays the average fuel consumption since engine start.
- ② Average vehicle speed Displays the average vehicle speed since engine start.
- ③ Elapsed time
  Displays the time elapsed since engine start.



#### ■ Total (after reset)

- ① Current fuel consumption
  Displays the instantaneous current fuel consumption.
- 2 Average fuel economy\*<sup>1, 2</sup> Displays the average fuel consumption since the display was reset.
- 3 Average vehicle speed/ Elapsed time\*1



Displays the average vehicle speed since reset or elapsed time since reset, as selected in  $\square$ . ( $\rightarrow$ P. 139)

- \*1: Pressing and holding will reset the average fuel consumption and average vehicle speed/elapsed time.
- \*2: Use the displayed fuel consumption as a reference only.

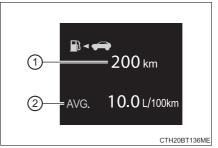
## ■ Tank (after refuel)

① Driving range\*1, 2

Displays the driving range with remaining fuel.

② Average fuel economy\*1, 3

Displays the average fuel consumption since the vehicle was refueled.



\*1: When only a small amount of fuel is added to the tank, the display may not be updated.

When refueling, turn the engine switch off. If the vehicle is refueled without turning the engine switch off, the display may not be updated.

- \*2: 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.
- $^{\star 3}$ : Use the displayed fuel consumption as a reference only.

## **■** Eco Driving Indicator

→P. 145

#### ■ Speedometer

Displays the vehicle speed.

# ■ Tire pressure (vehicles with a tire inflation pressure display function)

→P. 533

### ■ Blank (No items)

Displays no drive information contents.

# Settings display (🎇)

# Changing settings

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

- 1 Press  $\langle$  or  $\rangle$  to select  $\overset{\bullet}{\triangleright}$ .
- 2 Operate the switches to select a desired item.
- 3 Change the setting by referring to the message displayed on the screen.

# Setting items

## ■ Rear sunshade (if equipped) (→P. 487)

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

# ■ kar LTA (Lane Tracing Assist) (if equipped) (→P. 325)

The following LTA system settings can be changed:

Item	Settings	Details
Lane center	On Select to enable/disable	Select to enable/disable the lane
Larie Cerilei	Off	centering function.
Alort consitivity	High	Select to set the warning sensi-
Alert sensitivity	Std.	tivity.
Sway warning	On	Select to enable/disable the vehi-
Sway warning	Off	cle sway warning.
	High	
Sway sensitivity	Std.	Select to set the vehicle sway warning sensitivity.
	Low	3 9.

# Parking assist (Toyota parking assist-sensor) (if equipped)(→P. 388)

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

# ■ See PCS (Pre-Collision System) (if equipped) (→P. 307)

The following pre-collision system settings can be changed:

Item	Settings	Details
PCS	On	Select to enable/disable the pre-
FC3	Off	collision system.
	Early	
Warning sensitivity	Middle	Select to change the warning timing.
	Late	<b>3</b> -

# ■ RCC (Dynamic radar cruise control) (if equipped) (→P. 346)

Iter	n	Settings	Details
Curve	speed	Strong	Select to change the vehicle
reduction		Off	speed reduction strength.

# ■ BSM (Blind Spot Monitor) function (if equipped) (→P. 376)

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

## ■ RCTA (Rear Cross Traffic Alert) function (if equipped) (→P. 398)

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

# ■ Vehicle settings

Settings	Details		
BSM (Blind Spot Monitor) (if equipped) (→P. 376)			
Bright	Select to change the brightness of the outside rear view mirror		
Dim	indicators.		
Early			
Middle			
Late	Select to change the notification timing for an approaching vehi-		
Only when vehicle detected in blind spot	cle.		
raffic Alert) (if equipp	ed) (→P. 398)		
1 (Low)	Select to change the volume of the RCTA buzzer.		
2 (Medium)			
3 (Loud)			
1 (Low)	Select to change the volume of		
2 (Medium)	the Toyota parking assist-sensor buzzer.		
3 (Loud)	buzzei.		
TPWS (Tire pressure warning system) (if equipped) (→P. 533)			
essure warning sys-	Select to initialize the tire pressure warning system. To perform initialization, press and hold the ⊚ switch.  Before performing initialization, make sure to adjust the inflation pressure of each tire to the specified level. (→P. 534)		
	Bright  Dim  Early  Middle  Late  Only when vehicle detected in blind spot  raffic Alert) (if equipped 1 (Low)  2 (Medium)  3 (Loud)  1 (Low)  2 (Medium)  3 (Loud)  warning system) (if		

## 142

Item	Settings	Details	
Change wheel (change the tire pressure warning system sensor ID code set) (vehicles without a tire inflation pressure display function)		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 a Toyota dealer. For information regarding changing the registered ID code set, contact your Toyota dealer. (→P. 536)	
Change wheel (register tire pressure warning system sensor ID codes) (vehicles with a tire inflation pressure display function)		Select to register the ID codes of the tire pressure sensors to the tire pressure warning system.  To register the ID codes, press and hold the	
Rear seat reminder	On	Select to enable/disable the rear	
(→P. 193)	Off	seat reminder.	

# **■** Meter settings

Item	Settings	Details
Language		Select to change the language displayed.
Units		Select to change the units of measure displayed.
(Eco Driving	On	Select to enable/disable the Eco
Indicator Light)	Off	Driving Indicator Light. (→P. 145)
between the information   speed   hetwo	Select to change the display between average speed/elapsed	
(total [after reset])	Elapsed time	time.

Item	Settings	Details
Den un dienleu	Incoming calls (if equipped)	Select to enable/disable the pop-
Pop-up display	Brightness adjust- ment	up display.
Clock (vehicles without a navigation or multi- media system)	12H/24H	Select to adjust the time.
	Hour	Press the ^/ w switch to change the display between 12H
	Minute	and 24H or to adjust the hour of minute.
Default setting		Select to reset the meter display settings to the default setting.

# 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. 672)

#### ■ Suggestion to turn off the headlights

If the headlights are left on for a certain amount of time after the engine 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 engine 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.

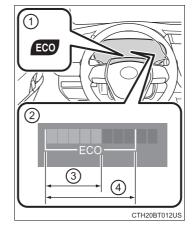
# ■ Suggestion to close the power windows (linked to vehicle speed)

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.

#### ■ Eco Driving Indicator

- ① Eco Driving Indicator Light
  During Eco-friendly acceleration (Eco
  driving), the Eco Driving Indicator Light
  will turn on. When the acceleration
  exceeds the Zone of Eco driving, or
  when the vehicle is stopped, the light
  turns off.
- ② Eco Driving Indicator Zone Display Suggests the Zone of Eco driving with current Eco driving ratio based on acceleration.
- ③ Eco driving ratio based on acceleration If the acceleration exceeds the Zone of Eco driving, the right side of the Eco Driving Indicator Zone Display will illuminate.



4 Zone of Eco driving

Eco Driving Indicator will not operate under the following conditions:

- The shift lever is in any position other than D.
- A paddle shift switch (if equipped) is operated.
- Neither normal mode nor Eco drive mode is selected. (if equipped) (→P. 432)
- The vehicle speed is approximately 130 km/h (80 mph) or higher.

#### ■ 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.

#### ■ Tire pressure (vehicles with a tire inflation pressure display function)

- It may take a few minutes to display the tire inflation pressure after the engine switch is turned to IGNITION ON mode. It may also take a few minutes to display the tire inflation pressure after inflation pressure has been adjusted.
- "---" may be displayed if the tire position information cannot be determined due to unfavorable radio wave conditions.
- Tire inflation pressure changes with temperature. The displayed values may also be different from the values measured using a tire pressure gauge.

## ■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. 139, 672)



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



#### **NOTICE**

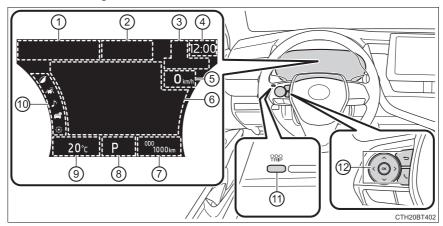
#### ■While setting up the display

To prevent battery discharge, ensure that the engine is running while setting up the display features.

# Multi-information display (7-inch 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. 124)
- (2) Driving assist system status display area

Displays the operational status of the following systems:

- Cruise control (if equipped) (→P. 363)
- Dynamic radar cruise control with full-speed range (if equipped)
   (→P. 346)
- LTA (Lane Tracing Assist) (if equipped) (→P. 325)
- ③ RSA (Road Sign Assist) (if equipped) (→P. 340)
- (4) Clock\* (→P. 161)
- \*: Vehicles with a navigation or multimedia system: For clock setting, refer to "Navigation and Multimedia System Owner's Manual".
- (5) Speedometer

The speedometer display can be enabled/disabled in  $\bigcirc$  on the multi-information display. ( $\rightarrow$ P. 154)

# 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.

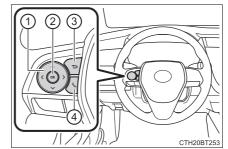
- Menu icon content (→P. 150)
- Suggestion function (→P. 162)
- Warning message (→P. 597)
- ⑦ Odometer/trip meter (→P. 162)
- (8) Shift position (→P. 266)
- (9) Outside temperature (→P. 130)
- (10) Menu icons (→P. 150)
- 1) "ODO/TRIP" switch ( $\rightarrow$ P. 149)
- ① Meter control switches (→P. 149)

# Using the multi-information display

## Using the content display area

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

- 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.

(4) Call sending/receiving and history display

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

\*: 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

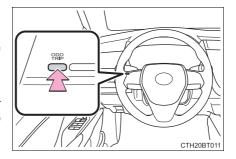
Items in this area are operated using the "ODO/TRIP" switch.

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. 597)

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. 151)

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:

- Cruise control (if equipped) (→P. 363)
- Dynamic radar cruise control with full-speed range (if equipped) (→P. 346)
- LTA (Lane Tracing Assist) (if equipped) (→P. 325)
- RSA (Road Sign Assist) (if equipped) (→P. 340)

Display the following navigation system-linked information (if equipped):

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



Audio system-linked display

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:

• Tire inflation pressure (vehicles with a tire inflation pressure display function) ( $\rightarrow$ P. 533)

Enable/Disable the following systems:

- Parking assist (Toyota parking assist-sensor) (if equipped) (→P. 388)
- BSM (Blind Spot Monitor) function (if equipped) (→P. 376)
- RCTA (Rear Cross Traffic Alert) function (if equipped) (→P. 398)



Settings display (→P. 154)

Select to change the meter display settings and other settings.

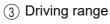
# Eco-friendly driving information (



# **■** Fuel consumption

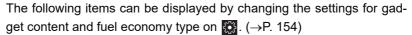
- 1 Current fuel consumption Displays the instantaneous current fuel consumption.
- 2 Average fuel economy (after start)

Displays the average fuel consumption since engine start.\*1



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





Displayable item			
Gadget content	Fuel economy type	Content	
Average vehicle	Trip (after start)	Displays the average vehicle speed since engine start.	
speed	Total (after reset)	Displays the average vehicle speed since the display was reset.*5	
	Trip (after start)	Displays the distance driven since vehicle start.	
Distance	Total (after reset)	Displays the distance driven since the display was reset.*5	
Elapsed	Trip (after start)	Displays the elapsed time since engine start.	
time	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  $(\rightarrow P. 154)$ 

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.  $^{\rm \star 1,\,2}$ 

- \*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 engine switch off. If the vehicle is refueled without turning the engine 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 while it is displayed.

#### ■ Eco indicator

- Eco Driving Indicator
  - →P. 163
- · Driving range

Displays the driving range with remaining fuel.

When only a small amount of fuel is added to the tank, the display may not be updated.

When refueling, turn the engine switch off. If the vehicle is refueled without turning the engine switch off, the display may not be updated.

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.

# ■ Speedometer display/Driving range

- Speedometer display
   Displays the vehicle speed.
- 2 Driving range

Displays the driving range with remaining fuel.

When only a small amount of fuel is added to the tank, the display may not be updated.

When refueling, turn the engine switch off. If the vehicle is refueled without turning the engine switch off, the display may not be updated.



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.

# 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

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

## Setting items

# ■ Kara LTA (Lane Tracing Assist) (if equipped) (→P. 325)

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

Item	Settings	Details
1	On	Select to enable/disable the lane
Lane center	Off	centering function.
Alert sensitivity	High	Select to set the warning sensi-
	Std.	tivity.
Sway warning	On	Select to enable/disable the vehi- cle sway warning.
	Off	
Sway sensitivity	High	
	Std.	Select to set the vehicle sway warning sensitivity.
	Low	

# ■ PCS (Pre-Collision System) (if equipped) (→P. 307)

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

Item	Settings	Details
PCS	On	Select to enable/disable the pre- collision system.
	Off	
Warning sensitivity	<b>Early</b>	
	Middle	Select to change the warning timing.
	Late	

# ■ RCC (Dynamic radar cruise control) (if equipped) (→P. 346)

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

Item	Settings	Details
	Strong	
Curve speed reduction	Weak	Select to change the vehicle speed reduction strength.
	Off	
DRCC with RSA (if	On	Select to enable/disable the
equipped)	Off	DRCC with RSA function.

# **■ BSM** (Blind Spot Monitor) (if equipped) (→P. 376)

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

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

Item	Settings	Details
Outside rear view	Bright	Select to change the brightness of the outside rear view mirror
brightness	Dim	indicators.
Notification timing for presence of approaching vehi- cle (sensitivity)	Early	
	Middle	
	Late	Select to change the notification
	Only when vehicle detected in blind spot	timing for an approaching vehi- cle.

# ■ RCTA (Rear Cross Traffic Alert) (if equipped) (→P. 398)

Press o to enable/disable the Rear Cross Traffic Alert function.

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

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

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

# ■ RCD (Rear camera detection) function (if equipped) (→P. 405)

Press (x) to enable/disable the rear camera detection function.

Item	Settings	Details
RCD	On	Select to enable/disable the rear
ROD	Off	camera detection.

# ■ Simplified PKSB (Parking Support Brake) (if equipped) (→P. 409)

Item	Settings	Details
PKSB	On	Select to enable/disable the
FNOD	Off	Parking Support Brake system.

# ■ Parking assist (Toyota parking assist-sensor) (if equipped) (→P. 388)

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

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

Press and hold o 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
	2 (Medium)	
	3 (Loud)	buzzer.

# ■ HUD (Head-up display) (if equipped) (→P. 166)

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

Press and hold or 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 <b>〈</b> / <b>&gt;</b> switch to adjust the display brightness.
		• Press the ∧/∨ switch to adjust the display position.
HUD Driving support	Tachometer set- tings	Select to change the display between the following:
	Navigation system (if equipped)	
	Lane	Select to enable/disable head-up display content.
	Driving Assist	
	Compass (if equipped)	
Rotation	-	Select to adjust the angle of the head-up display.
Notation		Press the $\langle / \rangle$ switch to adjust the display angle.

# ■ Rear sunshade (if equipped) (→P. 487)

Press on to raise/lower the rear sunshade.

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

# ■ RSA (Road Sign Assist) (if equipped) (→P. 340)

Press and hold  $\bigcirc$  to change the settings of the following items:

Item	Settings	Details
RSA	On	Select to enable/disable the
	Off	RSA.
Notification method	Excess speed notification	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  Display only  Display and buzzer
	Other notifications	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  • Display only  • Display and buzzer
Excess speed noti- fication level	10 km/h (5 mph)	Select a speed threshold over
	5 km/h (3 mph)	which the excess speed notifica- tion will start to operate when a speed limit sign is displayed on
	2 km/h (1 mph)	the multi-information display.

# ■ <a>Z</a> Vehicle settings

Press and hold  $\bigcirc$  to change the settings of the following items:

Item	Settings	Details
TPWS (Tire pressure warning system) (if equipped) (→P. 533)		
Set pressure (tire pressure warning system initialization)		Select to initialize the tire pressure warning system. To perform initialization, press and hold the switch.  Before performing initialization, make sure to adjust the inflation pressure of each tire to the specified level. (→P. 534)
Change wheel (change the tire pressure warning system sensor ID code set) (vehicles without a tire inflation pressure display function)		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 a Toyota dealer. For information regarding changing the registered ID code set, contact your Toyota dealer.  (→P. 536)
Change wheel (register tire pressure warning system sensor ID codes) (vehicles with a tire inflation pressure display function)		Select to register the ID codes of the tire pressure sensors to the tire pressure warning system. To register the ID codes, press and hold the $\bigcirc$ switch. $(\rightarrow P. 536)$
Rear seat reminder	On	Select to enable/disable the rear
(→P. 193)	Off	seat reminder.

# ■ Meter settings

Item	Settings	Details	
Language		Select to change the language displayed.	
Units		Select to change the units of measure displayed.	
(Eco Driving	On	Select to enable/disable the Eco	
Indicator Light)	Off	Driving Indicator Light. (→P. 163)	
Speedometer	On	Select to enable/disable the	
Speedometer	Off	speedometer display.	
	Off	No display	
Gadget content	Average vehicle speed	Select to turn the display of a	
	Distance	gadget.	
	Elapsed time		
	Trip (after start)*1		
Fuel economy type	Total (after reset)	Select to change the averag fuel consumption display and a	
Taci occinomy typo	Tank (after refuel)*2	item to be displayed as gadget.	
Multi-information display off		Select to turn the multi-information display off. To turn the multi-information display on again, press any direction switch ( ^/ / / / ).	
	Intersection guid- ance (if equipped)		
Pop-up display	Incoming calls	Select to enable/disable the pop- up display.	
	Brightness adjust- ment		
Clock (vehicles without a navigation or multi- media system)	12H/24H	Select to adjust the time.	
	Hour	Press the	
	Minute		

Item	Settings	Details
Default setting		Select to reset the meter display settings to the default setting.

<sup>\*1:</sup> Selecting this item will only change the gadget.

## 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. 672)

## ■ Suggestion to turn off the headlights

If the headlights are left on for a certain amount of time after the engine 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 engine 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.

<sup>\*2:</sup> Selecting this item will turn the display of the gadget off.

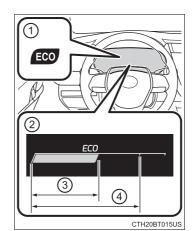
# ■ Suggestion to close the power windows (linked to vehicle speed)

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.

#### ■ Eco Driving Indicator

- ① Eco Driving Indicator Light
  During Eco-friendly acceleration (Eco
  driving), the Eco Driving Indicator Light
  will turn on. When the acceleration
  exceeds the Zone of Eco driving, or
  when the vehicle is stopped, the light
  turns off.
- ② Eco Driving Indicator Zone Display Suggests the Zone of Eco driving with current Eco driving ratio based on acceleration.
- ③ Eco driving ratio based on acceleration If the acceleration exceeds the Zone of Eco driving, the right side of the Eco Driving Indicator Zone Display will illuminate.



4 Zone of Eco driving

Eco Driving Indicator will not operate under the following conditions:

- The shift lever is in any position other than D.
- A paddle shift switch (if equipped) is operated.
- Neither normal mode nor Eco drive mode is selected. (if equipped)
   (→P. 432)
- The vehicle speed is approximately 130 km/h (80 mph) or higher.

#### ■ 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.

#### ■ Tire pressure (vehicles with a tire inflation pressure display function)

- It may take a few minutes to display the tire inflation pressure after the engine switch is turned to IGNITION ON mode. It may also take a few minutes to display the tire inflation pressure after inflation pressure has been adjusted.
- "---" may be displayed if the tire position information cannot be determined due to unfavorable radio wave conditions.
- Tire inflation pressure changes with temperature. The displayed values may also be different from the values measured using a tire pressure gauge.

#### ■ 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. 154, 672)



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

# **№** NOTICE

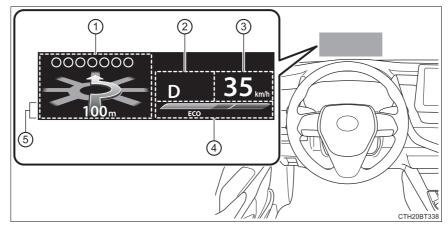
# ■While setting up the display

To prevent battery discharge, ensure that the engine is running 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.



 Driving assist system status/navigation system-linked display area (if equipped) (→P. 168)

The following pop-up displays will be displayed in certain situations:

- Pre-collision warning (pre-collision system)
- Alert from the Parking Support Brake system
- ② Shift position/RSA (Road Sign Assist) display
  - Shift position (→P. 261, 266)
  - RSA (Road Sign Assist) display (if equipped) (→P. 340)
- (3) Vehicle speed display
- (4) Eco Driving Indicator/Tachometer (→P. 169)
- ⑤ Information display area (→P. 170)

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

# Enabling/disabling the head-up display

Press (x) to enable/disable the head-up display.

## Changing the head-up display settings

Press and hold o to change the following settings:

# **■** Eco Driving Indicator/Tachometer

Select to display Eco Driving 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 (if equipped)
- · Driving assist system status
- · Compass (if equipped)
- · 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 (if equipped)

## Driving assist system status display

Displays the operational status of the following systems:

- Dynamic radar cruise control with full-speed range (if equipped)
   (→P. 346)
- LTA (Lane Tracing Assist) (if equipped) (→P. 325)
- Toyota parking assist-sensor (→P. 388)

## ◆ Navigation system-linked display area (if equipped)

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

#### ■ Street name

When the navigation system is performing route guidance, the name of the next street will be displayed on the top of the display area.

#### ■ 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

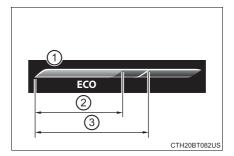
Displays the direction of travel.

# Eco Driving Indicator/Tachometer

# **■** Eco Driving Indicator

- 1 Eco Driving Indicator Zone Display
- ② Eco driving ratio based on acceleration
- (3) Zone of Eco driving

Displayed content is the same as that displayed on the multi-information display (Eco Driving Indicator). For details, refer to P. 163.



## **■** 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 LTA (Lane Tracing Assist) (if equipped)
- Dynamic radar cruise control with full-speed range (if equipped)
- Brake Override System/Drive-Start Control
- (i) message

Displayed when a suggestion/advice pop-up display is displayed on the multi-information display. (→P. 162)

message

Displayed when a warning message is displayed on the multi-information display. ( $\rightarrow$ P. 597)

Outside temperature

Displayed in the following situations:

- When the engine switch is turned to IGNITION 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. ( $\rightarrow$ P. 130)

# ■ 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 in the multiinformation 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 engine switch is turned off then back to IGNITION ON mode.

#### ■ Street name display

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



# **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 engine needs to be running while changing the settings of the headup 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 headup 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.



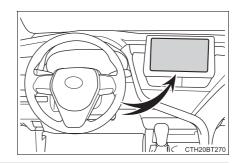
## ■When changing the settings of the head-up display

To prevent battery discharge, ensure that the engine is running while the changing the settings of the head-up display.

# **Fuel consumption information**

Fuel consumption information can be displayed on the audio system screen.

The illustrations below are for left-hand drive vehicles.

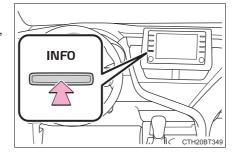


# Trip information

▶ Without navigation function

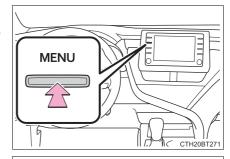
Press the "INFO" button.

If the "History" screen is displayed, select "Trip information".



- ▶ With navigation function
- 1 Press the "MENU" button.
- 2 Select "Information" on the "Menu" screen.

If the "History" screen is displayed, select "Trip information".



- Resetting the consumption data
- 2 Average vehicle speed since the engine was started
- ③ Elapsed time since the engine was started
- 4 Fuel consumption in the past 15 minutes
- (5) Cruising range (→P. 176)
- (6) Current fuel consumption

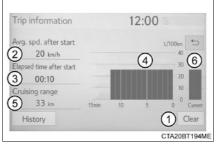
Vehicles without a smart entry & start system:

Average fuel consumption for the past 15 minutes is divided by color into past averages and averages attained since the engine switch was last turned to the "ON" position. Use the displayed average fuel consumption as a reference.

Vehicles with a smart entry & start system:

Average fuel consumption for the past 15 minutes is divided by color into past averages and averages attained since the engine switch was last turned to IGNITION ON mode. Use the displayed average fuel consumption as a reference.

This image is an example only.



# History

▶ Without navigation function

Press the "INFO" button.

If the "Trip information" screen is displayed, select "History".

- ▶ With navigation function
- 1 Press the "MENU" button.
- 2 Select "Information" on the "Menu" screen.

If the "Trip information" screen is displayed, select "History".

- Resetting the past record data
- ② Best recorded fuel consumption
- (3) Current fuel economy
- 4 Previous fuel consumption record



Displays the daily average fuel consumption. (Instead of the date, "Trip 1" through "Trip 5" will be displayed.)

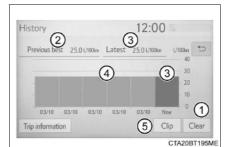
▶ With navigation function

Displays the daily average fuel consumption.

(5) Updating the average fuel consumption data

The average fuel consumption history is divided by color into past averages and the average fuel consumption since the last updated. Use the displayed average fuel consumption as a reference.

This image is an example only.



#### ■Updating the past record data

Update the average fuel consumption by selecting "Clip" to measure the current fuel consumption again.

## ■ Resetting the data

The fuel consumption data can be deleted by selecting "Clear".

#### ■ Cruising range

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

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

# Operation of each component

3

3-1.	Key information	
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	Panoramic moon roof	236

# Keys

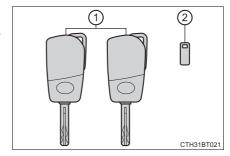
# The keys

The following keys are provided with the vehicle.

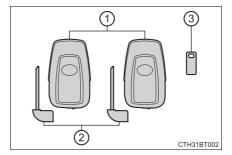
- ▶ Vehicles without a smart entry & start system
- 1 Keys

Operating the wireless remote control function ( $\rightarrow$ P. 179)

(2) Key number plate



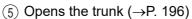
- ▶ Vehicles with a smart entry & start system
- 1 Electronic keys
  - Operating the smart entry & start system (→P. 200)
  - Operating the wireless remote control function (→P. 179)
- (2) Mechanical keys
- (3) Key number plate



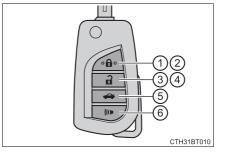
CTH31BT016

### Wireless remote control

- ▶ Vehicles without a smart entry & start system
- 1 Locks all the doors ( $\rightarrow$ P. 186)
- Closes the windows\*2 and the panoramic moon roof\*1, 2 (→P. 186)
- (3) Unlocks all the doors (→P. 186)
- ④ Opens the windows\*2 and the panoramic moon roof\*1, 2 (→P. 186)
- (5) Opens the trunk ( $\rightarrow$ P. 196)
- (6) Sounds the alarm\*1 ( $\rightarrow$ P. 181)
- \*1: If equipped
- \*2: This setting must be customized at your Toyota dealer.
- ▶ Vehicles with a smart entry & start system
- (1) Locks all the doors (→P. 186)
- ② Except for Korea: Closes the windows\*2 and the moon roof\*1, 2 or panoramic moon roof\*1, 2 (→P. 186)
- $\bigcirc$  Unlocks all the doors ( $\rightarrow$ P. 186)
- (4) Except for Korea: Opens the windows\*2 and the moon roof\*1, 2 or panoramic moon roof\*1, 2 (→P. 186)



- (6) Sounds the alarm\*1 ( $\rightarrow$ P. 181)
- \*1: If equipped
- \*2: This setting must be customized at your Toyota dealer.



(((▶

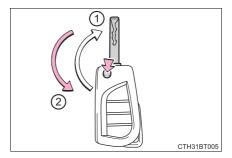
## Using the key (vehicles without a smart entry & start system)

(1) Releasing

To release the key, press the button.

(2) Folding

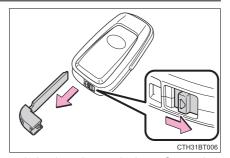
To stow the key, press the button then fold the key



# Using the mechanical key (vehicles with a smart entry & start system)

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 reattempt 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. ( $\rightarrow$ P. 637)

#### ■ Panic mode (if equipped)

▶ Vehicles without a smart entry & start system

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

To stop the alarm, press any button on the wireless remote control.



▶ Vehicles with a smart entry & start system

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

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



■When required to leave the vehicle's key with a parking attendant (vehicles with a smart entry & start system and glove box with a key hole)

Lock the glove box as circumstances demand. (→P. 468)

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 your Toyota dealer using the other key (vehicles without a smart entry & start system) or the other mechanical key (vehicles with a smart entry & start system) 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 a key with wireless remote control function onto an aircraft, make sure you do not press any button on the key while inside the aircraft cabin. If you are carrying the key in your bag etc., ensure that the buttons are not likely to be pressed accidentally. Pressing a button may cause the key to emit radio waves that could interfere with the operation of the aircraft.

#### **■** Conditions affecting operation

▶ Vehicles without a smart entry & start system

The wireless remote control function may not operate normally in the following situations:

- When the wireless key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone or other wireless communication devices
- When the wireless key is in contact with, or is covered by a metallic object
- When other wireless key (that emit radio waves) is being used nearby
- If window tint with a metallic content or metallic objects are attached to the rear window
- ▶ Vehicles with a smart entry & start system
- →P. 203

### ■ Key battery depletion

- ▶ Vehicles without smart entry & start system
- The standard battery life is 1 to 2 years.
- Even if the key is not used, the battery may become depleted and the following symptoms may occur. Replace the battery with a new one when necessary. (→P. 555)
  - The wireless remote control function does not operate.
  - The area in which the wireless remote control function can be operated becomes smaller.
- ▶ Vehicles with smart entry & start system
- The standard battery life is 1 to 2 years.
- If the battery becomes low, an alarm will sound in the cabin when the engine 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. 555)
  - 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. 203)
- 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. 555

## ■ Confirmation of the registered key number (vehicles with a smart entry & start system)

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

#### ■If a wrong key is used (vehicles with a smart entry & start system)

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 key with a wireless remote control function.
- Vehicles with a smart entry & start system: 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 (vehicles with a smart entry & start system)

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 (vehicles with a smart entry & start system)

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

■When an electronic key is lost (vehicles with a smart entry & start system)

If the electronic key remains lost, the risk of vehicle theft increases significantly. Visit your Toyota dealer immediately with all remaining electronic keys that were provided with your vehicle.

## **Doors**

## Unlocking and locking the doors from the outside

### Entry function (if equipped)

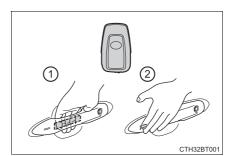
Carry the electronic key to enable this function.

- ▶ Except for Korea
- 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.

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.

- ▶ For Korea
- ① Grip the driver's door handle to unlock the door. Holding the driver's door handle for approximately 2 seconds unlocks all the doors. Grip the front passenger's door handle 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. 192, 676)
- 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

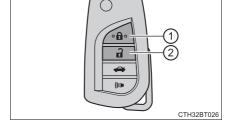
- ▶ Vehicles without a smart entry & start system
- 1 Locks all the doors

Check that the door is securely locked.

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

(2) Unlocks all the doors

Press and hold to open the windows  $^{\star 2}$  and the panoramic moon roof  $^{\star 1,\,2}$ 



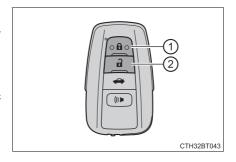
- \*1: If equipped
- \*2: This setting must be customized at your Toyota dealer.
- ▶ Vehicles with a smart entry & start system
- 1 Locks all the doors

Check that the door is securely locked.

Except for Korea: Press and hold to close the windows<sup>\*2</sup> and the moon roof<sup>\*1, 2</sup> or panoramic moon roof<sup>\*1, 2</sup>

(2) Unlocks all the doors

For Korea: Pressing the button unlocks the driver's door. Pressing the button again within 3 seconds unlocks the other doors.



Except for Korea: Press and hold to open the windows  $^{\rm *2}$  and the moon roof  $^{\rm *1,\,2}$  or panoramic moon roof  $^{\rm *1,\,2}$ 

- \*1: If equipped
- \*2: This setting must be customized at your Toyota dealer.

## Key

Turning the key operates the doors as follows:

- ▶ Vehicles without a smart entry & start system
- 1 Locks all the doors

Turn and hold to close the windows \*2 and the panoramic moon roof \*1, 2

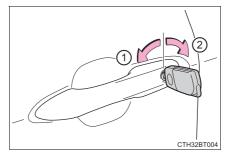
(2) Unlocks all the doors

Turn and hold to open the windows\*2 and the panoramic moon roof\*1, 2



- \*2: This setting must be customized at your Toyota dealer.
- ▶ Vehicles with a smart entry & start system

The doors can also be locked and unlocked with the mechanical key.  $(\rightarrow P. 637)$ 



#### ■Operation signals

Doors:

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

Windows and moon roof or panoramic moon roof:

Except for Korea: A buzzer sounds to indicate that the windows and moon roof or panoramic moon roof are operating.

\*: On some models

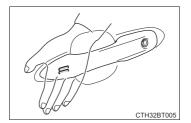
#### ■ Security feature

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. 117)

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

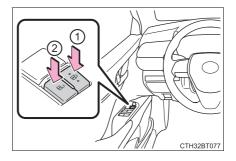
Vehicles with a smart entry & start system: Use the mechanical key to lock and unlock the doors.  $(\rightarrow P. 637)$ 

Replace the battery with a new one if it is depleted. (→P. 555)

## Unlocking and locking the doors from the inside

#### Door lock switches

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

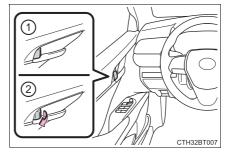


#### Inside lock buttons

- (1) Locks the door
- (2) Unlocks the door

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

For Korea: The front doors can be opened by pulling the inside handle even if the lock buttons are in the lock position.



### Locking the front doors from the outside without a key

- 1 Move the inside lock button to the lock position.
- 2 Except for Korea: Close the door while pulling the door handle. For Korea: Close the door.
- ▶ Vehicles without a smart entry & start system

The door cannot be locked if the driver's door is open and the key is in the engine switch.

▶ Vehicles with a smart entry & start system

The door cannot be locked if the engine switch is in ACCESSORY or IGNITION 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. 674.

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.	

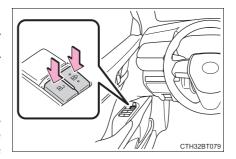
Operation of each component

## ■ Setting and canceling the functions (vehicles without a navigation or multimedia system)

To switch between setting and canceling, follow the procedure below.

- 1 Vehicles without a smart entry & start system: Close all the doors and turn the engine switch to the "ON" position. (Perform step 2 within 20 seconds.)
  - Vehicles with a smart entry & start system: Close all the doors and turn the engine switch to IGNITION ON mode. (Perform step within 20 seconds.)
- 2 Shift the shift lever to P or N, and press and hold the door lock switch (☐ or ☐) for approximately 5 seconds and then release.

The shift lever and switch positions corresponding to the desired function to be set are shown as follows.



Use the same procedure to cancel the function.

Function	Shift lever position	Door lock switch position
Shift position linked door locking function	Р	Ð
Shift position linked door unlocking function		Ē
Speed linked door locking function	N	Ð
Driver's door linked door unlocking function		(E

When the setting or canceling operation is complete, all doors are locked and then unlocked.

## ■ Switching the door unlock function (vehicles with a smart entry & start system)

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

- 1 Turn the engine switch off.
- ② When the indicator light on the key surface is not on, press and hold → , or ((\*) (if equipped) 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	Веер
*1 *2 (Left-hand drive vehicles)	Holding the driver's door handle unlocks only the driver's door.	Exterior: Beeps 3 times
*1 *2 (Right-hand drive vehicles)	Holding the front passenger's door handle unlocks all the doors.	Interior: Pings once
*1 *2	Holding either front door handle unlocks all the doors.	•

<sup>\*1: 4.2-</sup>inch display

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 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. ( $\rightarrow$ P. 119)

<sup>\*2: 7-</sup>inch display

#### ■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.

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

- ▶ Vehicles without a smart entry & start system
- →P. 182
- ▶ Vehicles with a smart entry & start system
- →P. 203

#### ■ Rear seat reminder function

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

- The engine is started within 10 minutes after opening and closing a rear door
- A rear door has been opened and closed after the engine was started.

However, if a rear door is opened and then closed within approximately 2 seconds, the rear seat reminder function may not operate.

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

The rear seat reminder function can be enabled/disabled. (→P. 141, 160)

#### ■ Customization

Some functions can be customized. ( $\rightarrow$ P. 672)

## **MARNING**

#### ■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 (except for Korea) or front doors (for Korea), 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 or the moon roof or panoramic moon roof (except for Korea)

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

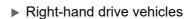
## **Trunk**

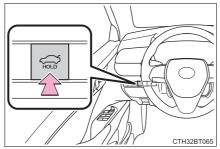
The trunk can be opened using the trunk opener switch, Trunk button (if equipped), wireless remote control or key.

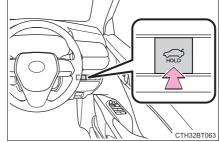
#### Opening the trunk from inside the vehicle

Press and hold the trunk opener switch.

▶ Left-hand drive vehicles





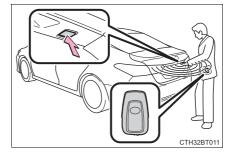


## Opening the trunk from outside the vehicle

- Trunk button (vehicles with a smart entry & start system)
  - ▶ Vehicles with entry function

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

Except Argentina, Hong Kong and Macao: When all the doors are unlocked using one of the following methods, the trunk can be opened without the electronic key:

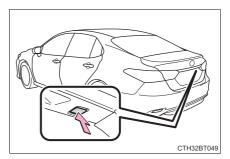


- Entry function
- · Wireless remote control
- · Door lock switches
- · Automatic door unlocking system (if equipped)
- · Mechanical key

▶ Vehicles without entry function

Unlock all the doors using one of the following methods and then press the button on the trunk lid:

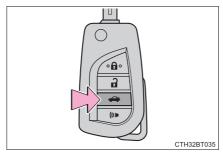
- · Wireless remote control
- · Door lock switches
- · Mechanical key



#### Wireless remote control

entry & start system







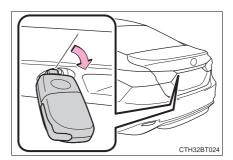
Press and hold the switch.

A buzzer sounds. (on some models)

## Key

▶ Vehicles without a smart entry & start system

Turn the key clockwise to release the trunk lid.

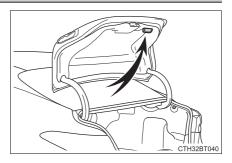


▶ Vehicles with a smart entry & start system

The trunk can be also opened using the mechanical key. ( $\rightarrow$ P. 638)

### 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.



#### ■Trunk light

The trunk light turns on when the trunk is opened.

## ■ Function to prevent the trunk being locked with the electronic key inside (vehicles with a smart entry & start system)

- 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

Vehicles with a smart entry & start system: Use the mechanical key to unlock the trunk. ( $\rightarrow$ P. 638)

Replace the key battery with a new one if it is depleted. ( $\rightarrow$ P. 555)

#### ■ Customization

Some functions can be customized. (→P. 672)

## **MARNING**

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.

## **MARNING**

#### **■**Using the trunk

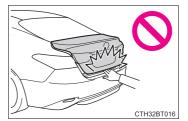
Observe the following precautions.

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.



- 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.



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.

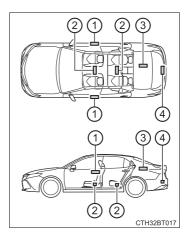
## Smart entry & start system\*

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 (vehicles with entry function)
   (→P. 185)
- Opens the trunk (vehicles with entry function) (→P. 195)
- Starts the engine (→P. 256)

#### ■Antenna location

- 1 Antennas outside the cabin (vehicles with entry function)
- 2 Antennas inside the cabin
- 3 Antenna inside the trunk
- 4 Antenna outside the trunk (vehicles with entry function)

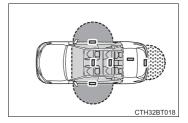


\*: If equipped

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

When locking or unlocking the doors (vehicles with entry function)

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 engine or changing engine switch modes

  The system can be operated when the electronic key is inside the vehicle.
- When opening the trunk (vehicles with entry function)

  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.  $(\rightarrow P. 597)$ 

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

Alarm	Situation	Correction procedure
	An attempt was made to lock the vehicle while a door was open.	Close all of the doors and lock the doors again.
Exterior alarm sounds once for 5 seconds	The trunk was closed while the electronic key was still inside the trunk and all the doors were locked.	Retrieve the electronic key from the trunk and close the trunk lid.
Interior alarm pings repeatedly	The engine switch was turned to ACCESSORY mode while the driver's door was open (The driver's door was opened when the engine switch was in ACCESSORY mode).	Turn the engine switch off and close the driver's door.
	The engine switch was turned off while the driver's door was open.	Close the driver's door.

#### ■ Battery-saving function (vehicles with entry function)

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

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

#### ■ Electronic Key Battery-Saving Function

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

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

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



#### ■ Conditions affecting operation

The smart entry & start system, wireless remote control and engine 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 engine immobilizer system from operating properly. (Ways of coping: →P. 637)

- 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 (if equipped)

- 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 engine is started or engine 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 engine 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. 203)
- 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 your Toyota dealer.

#### ■ 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. 672)
- Setting the electronic key to battery-saving mode helps to reduce key battery depletion. (→P. 203)

#### ■ 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 (vehicles with entry function): Use the mechanical key. (→P. 637)
- Starting the engine: →P. 638

#### **■** Customization

Some functions can be customized. (→P. 672)

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

- Locking and unlocking the doors and opening the trunk (vehicles with entry function):
  - Use the wireless remote control or mechanical key. (→P. 186, 196, 637)
- Starting the engine and changing engine switch modes: →P. 638
- Stopping the engine: →P. 256

## **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. 200) The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Toyota dealer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.
- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio

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

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

## **Front seats**

## Adjustment procedure

- ▶ Manual seat
- (1) Seat position adjustment lever
- ② Seatback angle adjustment lever
- ③ Vertical height adjustment lever (if equipped)



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



## **MARNING**

#### ■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.



#### ■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:

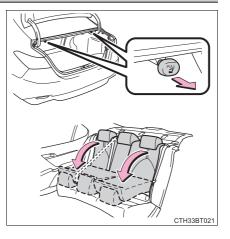
The seatbacks of the rear seats can be folded down.

#### 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)

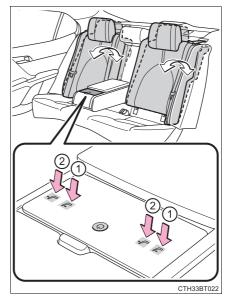
Press  $(\circlearrowleft)$  to display the but-

tons and then touch

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. 456)

## **MARNING**

#### ■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.



#### ■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.

## **Driving position memory**\*

This feature automatically adjusts the driver's seat, steering wheel and outside rear view mirrors to make entering and exiting the vehicle easier or to suit your preferences.

### **Driving position memory**

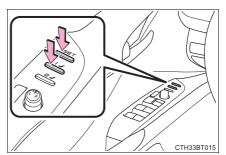
Your preferred driving position (the position of the driver's seat, steering wheel and outside rear view mirrors) can be recorded and recalled by pressing a button.

Two different driving positions can be recorded into memory.

#### ■ Recording procedure

- 1 Check that the shift lever is in P.
- 2 Turn the engine switch to IGNITION ON mode.
- Adjust the driver's seat, steering wheel, and outside rear view mirrors to the desired positions.
- While pressing the "SET" button, or within 3 seconds after the "SET" button is pressed, press button "1" or "2" until the buzzer sounds.

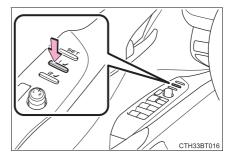
If the selected button has already been preset, the previously recorded position will be overwritten.



\*: If equipped

### ■ Recall procedure

- 1 Check that the shift lever is in P.
- Turn the engine switch to IGNITION ON mode.
- 3 Press one of the buttons for the driving position you want to recall until the buzzer sounds.



#### ■ To stop the position recall operation part-way through

Perform any of the following operations:

- Press the "SET" button.
- Press the "1" or "2" button.
- Operate any of the seat adjustment switches (only cancels seat position recall).
- Operate the tilt and telescopic steering control switch (only cancels steering wheel position recall).

#### ■ Seat positions that can be memorized ( $\rightarrow$ P. 207)

The adjusted positions other than the position adjusted by lumbar support switch can be recorded.

## Operating the driving position memory after turning the engine switch off

Recorded seat positions can be activated up to 180 seconds after the driver's door is opened and another 60 seconds after it is closed again.

### ■In order to correctly use the driving position memory function

If a seat position is already in the furthest possible position and the seat is operated in the same direction, the recorded position may be slightly different when it is recalled.

#### ■When the recorded seat position cannot be recalled

The seat position may not be recalled in some situations when the seat position is recorded in a certain range. For details, contact your Toyota dealer.

#### Memory recall function

Each electronic key can be registered to recall your preferred driving position.

#### **■** Registering procedure

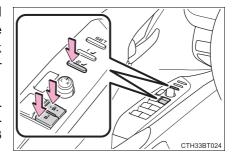
Record your driving position to button 1 or 2 before performing the following:

Carry only the key you want to register, and then close the driver's door.

If 2 or more keys are in the vehicle, the driving position cannot be recorded properly.

- 1 Check that the shift lever is in P.
- 2 Turn the engine switch to IGNITION ON mode.
- Recall the driving position that you want to record.
- While pressing the recalled button, press and hold the door lock switch (either lock or unlock) until the buzzer sounds.

If the button could not be registered, the buzzer sounds continuously for approximately 3 seconds.



#### ■ Recall procedure

1 Make sure that the doors are locked before recalling the driving position. Carry the electronic key that has been registered to the driving position, and then unlock and open the driver's door using the smart entry & start system or wireless remote control.

The driving position will move to the recorded position (not including the steering wheel).

If the driving position is in a position that has already been recorded, the seat and outside rear view mirrors will not move.

2 Turn the engine switch to ACCESSORY mode or IGNITION ON mode.

The seat and steering wheel will move to the recorded position.

# ■ Cancelation procedure

Carry only the key you want to cancel and then close the driver's door.

If 2 or more keys are in the vehicle, the driving position cannot be canceled properly.

- 1 Turn the engine switch to IGNITION ON mode.
- While pressing the "SET" button, press and hold the door lock switch (either lock or unlock) until the buzzer sounds twice.

If it button could not be canceled, the buzzer sounds continuously for approximately 3 seconds.

#### ■ Recalling the driving position using the memory recall function

- Different driving positions can be registered for each electronic key. Therefore, the driving position that is recalled may be different depending on the key being carried.
- If a door other than the driver's door is unlocked with the smart entry & start system, the driving position cannot be recalled. In this case, press the driving position button which has been set.

#### ■ Customization

Some functions can be customized. (→P. 672)



#### ■ Seat adjustment caution

Take care during seat adjustment so that the seat does not strike the rear passenger or squeeze your body against the steering wheel.

# **Head restraints**

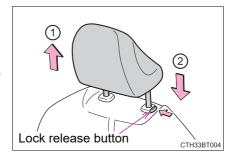
# Head restraints are provided for all seats.

- ▶ Adjustable type
- (1) Up

Pull the head restraint up.

(2) Down

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



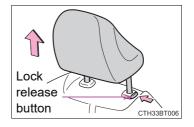
# ▶ Integrated type

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.  $(\rightarrow P. 207)$ 

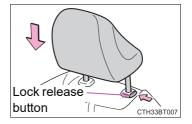


## ■Installing the head restraints

▶ Front seats and reclining type rear outboard seats

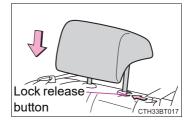
Align the head restraint with the installation holes and push it down to the lock position.

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



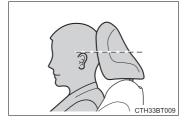
▶ Reclining type rear center seat and outboard seats of the rear folding seat

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.

# **MARNING**

### ■ Head restraint precautions

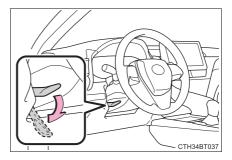
Observe the following precautions regarding the head restraints. Failure to do so may result in death or serious injury.

- 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. 64)

# **Steering wheel**

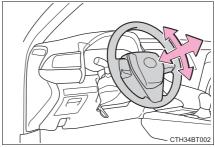
# Adjustment procedure

- ▶ 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.

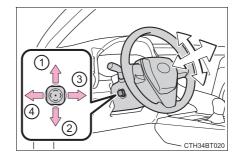
After adjustment, pull the lever up to secure the steering wheel.



▶ Power type

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

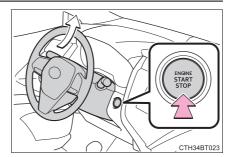
- (1) Up
- (2) Down
- (3) Toward the driver
- (4) Away from the driver



## Auto tilt away (power type)

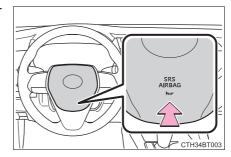
When the engine switch is turned off, the steering wheel returns to its stowed position by moving up and away to enable easier driver entry and exit.

Turning the engine switch to ACCESSORY or IGNITION 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 engine switch is in ACCESSORY or IGNITION ON mode.

#### ■ Automatic adjustment of the steering position (if equipped)

A desired steering position can be entered to memory and recalled automatically by the driving position memory system. ( $\rightarrow$ P. 212)

#### ■ Customization

Some functions can be customized.  $(\rightarrow P. 672)$ 



#### 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.

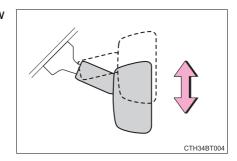
# Inside rear view mirror

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

# Adjusting the height of rear view mirror

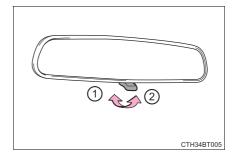
The height of the rear view mirror can be adjusted to suit your driving posture.

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.

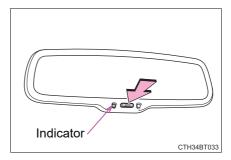
Changing automatic anti-glare function mode

#### On/off

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

Vehicles without a smart entry & start system: The function will set to ON mode each time the engine switch is turned to the "ON" position.

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

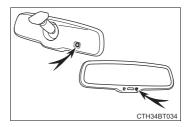


Vehicles with a smart entry & start system: The function will set to ON mode each time the engine switch is turned to IGNITION ON mode.

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

#### ■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

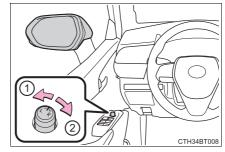
Do not adjust the position of the mirror while driving.

Doing so may lead to mishandling of the vehicle and cause an accident, resulting in death or serious injury.

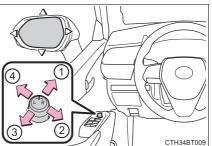
# **Outside rear view mirrors**

# Adjustment procedure

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



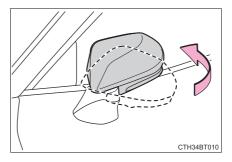
- 2 To adjust the mirror, operate the switch.
  - ① Up
  - 2 Right
  - ③ Down
  - 4 Left



# Folding and extending the mirrors

# ▶ Manual type

Push the mirror back in the direction of the vehicle's rear.



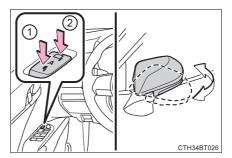
# ▶ Power type

- (1) Folds the mirrors
- (2) Extends the mirrors

Vehicles with an automatic folding/ extending mirror function:

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

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



# Linked mirror function when reversing (if equipped)

When the mirror select switch is in the "L" or "R" position, the outside rear view mirrors will automatically angle downwards when the vehicle is reversing in order to give a better view of the ground.

To disable this function, select neither "L" nor "R" of the mirror select switch.

#### ■ Adjusting the mirror angle when the vehicle is reversing

With the shift lever in R, adjust the mirror angle at a desired position.

The adjusted angle will be memorized and the mirror will automatically tilt to the memorized angle whenever the shift lever is shifted to R from next time.

The memorized downward tilt position of the mirror is linked to the normal position (angle adjusted with the shift lever in other than R). Therefore, if the normal position is changed after adjustment, the tilt position will also change.

When the normal position is changed, readjust the angle in reversing.

### ■ Mirror angle can be adjusted when

▶ Vehicles without a smart entry & start system

The engine switch is in the "ACC" or "ON" position.

▶ Vehicles with a smart entry & start system

The engine switch is in ACCESSORY or IGNITION ON mode.

### ■ When the mirrors are fogged up (if equipped)

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. ( $\rightarrow$ P. 451)

# ■ Automatic adjustment of the mirror angle (vehicles with driving position memory)

A desired mirror face angle can be entered to memory and recalled automatically by the driving position memory. ( $\rightarrow$ P. 212)

## Using automatic mode in cold weather (vehicles with an automatic folding/extending mirror function)

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

#### ■ Customization

Some functions can be customized. ( $\rightarrow$ P. 672)

# **MARNING**

### ■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 (if equipped)

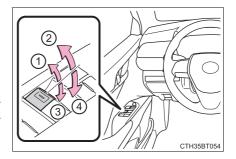
Do not touch the rear view mirror surfaces, as they can become very hot and burn you.

# **Power windows**

# Opening and closing procedures

The power windows can be opened and closed using the switches. Operating the switch moves the 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.



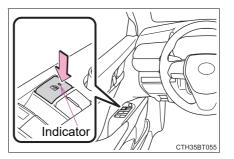
# Preventing accidental operation (window lock switch)

This function can be used to prevent children from accidentally opening or closing a passenger window.

Press the switch.

The indicator will come on and the passenger windows will be locked.

The passenger windows can still be opened and closed using the driver's switch even if the lock switch is on.



#### ■ The power windows can be operated when

▶ Vehicles without a smart entry & start system

The engine switch is in the "ON" position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

#### ■ Operating the power windows after turning the engine off

▶ Vehicles without a smart entry & start system

The power windows can be operated for approximately 45 seconds even after the engine switch is turned to the "ACC" or "LOCK" position. They cannot, however, be operated once either front door is opened.

▶ Vehicles with a smart entry & start system

The power windows can be operated for approximately 45 seconds even after the engine 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.

- Vehicles without a smart entry & start system: Stop the vehicle. With the engine switch in the "ON" position, 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.
  - Vehicles with a smart entry & start system: Stop the vehicle. With the engine switch in IGNITION 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 Vehicles without a smart entry & start system: Turn the engine switch to the "ON" position.
  - Vehicles with a smart entry & start system: Turn the engine switch to IGNITION 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.
- Release the power window switch for a moment, resume pushing the switch in the one-touch opening direction, and hold it there for approximately 4 seconds or more.
- 6 Pull and hold the power window switch in the one-touch closing direction again. After the door window is completely closed, continue holding the switch for a further 1 second or more.

If you release the switch while the window is moving, start again from the beginning.

If the window reverses and cannot be fully closed or opened, have the vehicle inspected by your Toyota dealer.

#### **■** Door lock linked window operation

- Vehicles without a smart entry & start system: The power windows can be opened and closed using the key.\* (→P. 187)
  - Vehicles with a smart entry & start system: The power windows can be opened and closed using the mechanical key.\* ( $\rightarrow$ P. 637)
- Except for Korea: The power windows can be opened and closed using the wireless remote control.\* (→P. 186)
- \*: These settings must be customized at your Toyota dealer.

### ■ 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. ( $\rightarrow$ P. 119)

#### ■ Power windows open warning buzzer

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

#### **■** Customization

Some functions can be customized. ( $\rightarrow$ P. 672)

# **▲** 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. 227)
- 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 (except for Korea), key 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 (except for Korea), key or mechanical key. It is possible for children and other passengers to get caught in the power window.
- When exiting the vehicle, turn the engine 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.

# Moon roof\*

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

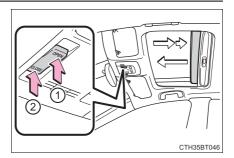
# Opening and closing

1 Opens the moon roof\*

The moon roof stops slightly before the fully open position to reduce wind noise.

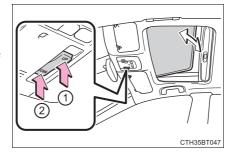
Press the switch again to fully open the moon roof.

- ② Closes the moon roof\*
  - \*: Lightly press either side of the moon roof switch to stop the moon roof partway.



# Tilting up and down

- 1) Tilts the moon roof up\*
- (2) Tilts the moon roof down\*
- \*: Lightly press either side of the moon roof switch to stop the moon roof partway.



\*: If equipped

#### ■ The moon roof can be operated when

The engine switch is in IGNITION ON mode.

#### ■ Operating the moon roof after turning the engine off

The moon roof can be operated for approximately 45 seconds after the engine switch is turned to ACCESSORY mode or turned off. It cannot, however, be operated once either front door is opened.

#### ■ Jam protection function

If an object is detected between the moon roof and the frame while the moon roof is closing or tilting down, travel is stopped and the moon roof opens slightly.

#### ■Sunshade

The sunshade can be opened and closed manually. However, the sunshade will open automatically when the moon roof is opened.

#### ■ Door lock linked moon roof operation

- The moon roof can be opened and closed using the mechanical key.\*
  (→P. 637)
- The moon roof can be opened and closed using the wireless remote control.\* ( $\rightarrow$ P. 186)
- \*: These settings must be customized at your Toyota dealer.

#### ■When the moon roof does not close normally

Perform the following procedure:

- If the moon roof closes but then re-opens slightly
- 1 Stop the vehicle.
- 2 Press and hold the "CLOSE" switch.\*1

  The moon roof will close, reopen and pause for approximately 10 seconds.\*2 Then it will close again, tilt up and pause for approximately 1 second. Finally, it will tilt down, open and close.
- 3 Check to make sure that the moon roof is completely closed and then release the switch.
- If the moon roof tilts down but then tilts back up
- 1 Stop the vehicle.
- 2 Press and hold the "UP" switch\*1 until the moon roof moves into the tilt up position and stops.
- 3 Release the "UP" switch once and then press and hold the "UP" switch again. \*1

The moon roof will pause for approximately 10 seconds in the tilt up position.\*2 Then it will adjust slightly and pause for approximately 1 second. Finally, it will tilt down, open and close.

- 4 Check to make sure that the moon roof is completely closed and then release the switch.
- \*1: If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.
- \*2: If the switch is released after the above mentioned 10 second pause, automatic operation will be disabled. In that case, press and hold the "CLOSE" or "UP" switch, and the moon roof will tilt up and pause for approximately 1 second. Then it will tilt down, open and close. Check to make sure that the moon roof is completely closed and then release the switch.

If the moon roof does not fully close even after performing the above procedure correctly, have the vehicle inspected by your Toyota dealer.

#### ■ Moon roof open warning buzzer

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

#### **■** Customization

Some functions can be customized. ( $\rightarrow$ P. 672)

# **MARNING**

Observe the following precautions.

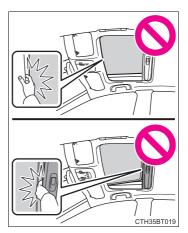
Failing to do so may cause death or serious injury.

#### Opening the moon roof

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

## ■ Opening and closing the moon roof

- The driver is responsible for moon roof opening and closing operations. In order to prevent accidental operation, especially by a child, do not let a child operate the moon roof. It is possible for children and other passengers to have body parts caught in the moon roof.
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the moon roof is being operated.
- When using the wireless remote control or mechanical key and operating the moon roof, operate the moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the moon roof. Also, do not let a child operate moon roof by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the moon roof.



• When exiting the vehicle, turn the engine switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

#### Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the moon roof is fully closed. Also, the jam protection function is not designed to operate while the switch is being pressed. Take care so that your fingers, etc. do not get caught.

# Panoramic moon roof\*

Use the overhead switches to operate the panoramic moon roof and electronic sunshade.

# Opening and closing the electronic sunshade

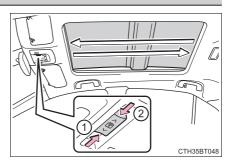
(1) Opens the electronic sunshade

Slide and hold the switch with water will fully open automatically.\*

(2) Closes the electronic sunshade

Slide and hold the switch forward. The electronic sunshade will fully close automatically.\*

\*: Quickly slide and release the electronic sunshade partway.



switch in either direction to stop the

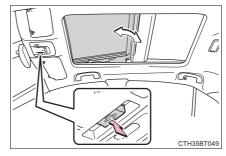
#### Tilting the panoramic moon roof up and down

**=** 

Tilts the panoramic moon roof up (press)\*

When the panoramic moon roof is tilted up, the electronic sunshade will open to the half-open position of the roof.

\*: Lightly press the switch again to stop the panoramic moon roof partway.



Tilts the panoramic moon roof down (press and hold)

The panoramic moon roof can be tilted down only when it is in the tilt-up position.

\*: If equipped

# Opening and closing the panoramic moon roof

Opens the panoramic moon roof\*

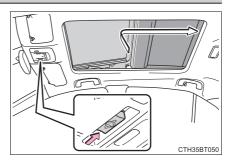
Slide and hold the switch backward. The panoramic moon roof and electronic sunshade will open automatically.

The panoramic moon roof can be opened from the tilt-up position.

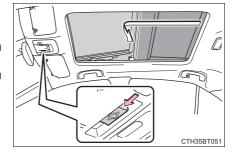
\*: Quickly slide and release the panoramic moon roof partway.

Closes the panoramic moon roof

Slide and hold the switch forward. The panoramic moon roof will fully close automatically.



switch in either direction to stop the



#### ■ The panoramic moon roof can be operated when

▶ Vehicles without a smart entry & start system

The engine switch is in the "ON" position.

▶ Vehicles with a smart entry & start system

The engine switch is in IGNITION ON mode.

#### ■ Operating the panoramic moon roof after turning the engine off

▶ Vehicles without a smart entry & start system

The panoramic moon roof can be operated for approximately 45 seconds after the engine switch is turned to the "ACC" or "LOCK" position. It cannot, however, be operated once either front door is opened.

▶ Vehicles with a smart entry & start system

The panoramic moon roof can be operated for approximately 45 seconds after the engine switch is turned to ACCESSORY mode or turned off. It cannot, however, be operated once either front door is opened.

#### ■ Jam protection function

If an object is detected between the panoramic moon roof and the frame in the following situations, travel is stopped and the panoramic moon roof opens slightly:

- The panoramic moon roof is closing or tilting down.
- The electronic sunshade is closing.

#### ■ Door lock linked panoramic moon roof operation

- Vehicles without a smart entry & start system: The panoramic moon roof can be opened and closed using the key.\* (→P. 187) Vehicles with a smart entry & start system: The panoramic moon roof can be opened and closed using the mechanical key.\* (→P. 637)
- Except for Korea: The panoramic moon roof can be opened and closed using the wireless remote control.\* (→P. 186)

#### ■ Closing both the panoramic moon roof and electronic sunshade

Slide the switch forward.

The electronic sunshade will close to the half-open position and pause. The panoramic moon roof will then fully close. Then the electronic sunshade will fully close.

<sup>\*:</sup> These settings must be customized at your Toyota dealer.

#### ■When the panoramic moon roof or electronic sunshade does not close normally

Perform the following procedure:

- 1 Stop the vehicle.
- ▶ Vehicles without a smart entry & start system
- Turn the engine switch to the "ON" position.
  - ▶ Vehicles with a smart entry & start system
- Turn the engine switch to IGNITION ON mode.
- 3 Slide and hold the switch or switch forward. Continue pressing the switch for approximately 10 seconds after the panoramic moon roof or electronic sunshade closes and reopens. The panoramic moon roof and electronic sunshade will start to close.\*
- 4 Check that the panoramic moon roof and electronic sunshade are fully closed and release the switch.
- \*: If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

If the panoramic moon roof or electronic sunshade does not fully close even after performing the above procedure correctly, have the vehicle inspected by your Toyota dealer.

#### ■ Alarm (if equipped)

The alarm may be triggered if the alarm is set and the panoramic moon roof is closed using the door lock linked panoramic moon roof operation function.  $(\rightarrow P. 119)$ 

#### ■ Panoramic moon roof open warning buzzer

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

### **■** Customization

Some functions can be customized. ( $\rightarrow$ P. 672)

# **№** WARNING

Observe the following precautions.

Failing to do so may cause death or serious injury.

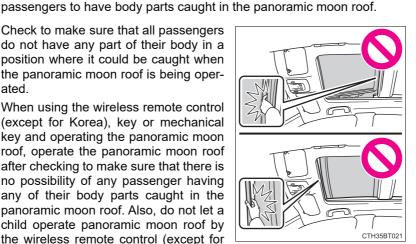
#### Opening and closing the electronic sunshade

- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the electronic sunshade is being operated.
- Do not let a child operate the electronic sunshade. Closing the electronic sunshade on someone can cause death or serious injury.



#### Opening and closing the panoramic moon roof

- The driver is responsible for panoramic moon roof opening and closing operations. In order to prevent accidental operation, especially by a child, do not let a child operate the panoramic moon roof. It is possible for children and other
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the panoramic moon roof is being operated.
- When using the wireless remote control (except for Korea), key or mechanical key and operating the panoramic moon roof, operate the panoramic moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the panoramic moon roof. Also, do not let a child operate panoramic moon roof by the wireless remote control (except for Korea), key or mechanical key. It is possible for children and other passengers to get caught in the panoramic moon roof.



When exiting the vehicle, turn the engine 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.

# **MARNING**

#### ■Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the panoramic moon roof or electronic sunshade is fully closed. Also, the jam protection function is not designed to operate while the switch is being pressed. Take care so that your fingers, etc. do not get caught.

#### ■To prevent burns or injuries

Do not touch the area between the underside of the panoramic moon roof and the electronic sunshade. Your hand may get caught and you could injure yourself. Also, if the vehicle is left in direct sunlight for a long time, the underside of the panoramic moon roof could become very hot and could cause burns.

# **↑** NOTICE

#### ■ To prevent damage to the panoramic moon roof

- Before opening the panoramic moon roof, make sure that there are no foreign objects, such as stones or ice, around the opening.
- Do not hit the surface or edge of the panoramic moon roof with hard objects.
- Do not continuously press the switch after the panoramic moon roof has been fully opened or closed.

#### ■ After the vehicle has been washed or rained on

Before opening the panoramic moon roof, wipe any water off the panoramic moon roof. Otherwise, water may enter the cabin when the panoramic moon roof is opened.

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# Driving

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# **Driving the vehicle**

The following procedures should be observed to ensure safe driving:

### Starting the engine

→P. 254, 256

# Driving

- With the brake pedal depressed, shift the shift lever to D. (→P. 261, 266)
- 2 Release the parking brake. (→P. 273)
- 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 or N. (→P. 261, 266)

#### Parking the vehicle

- 1 With the shift lever in D, depress the brake pedal.
- 2 Set the parking brake ( $\rightarrow$ P. 273), and shift the shift lever to P ( $\rightarrow$ P. 261, 266).
- 3 Vehicles without a smart entry & start system:
  Turn the engine switch to the "LOCK" position to stop the engine.
  Vehicles with a smart entry & start system:
  Press the engine switch to stop the engine.
- 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.

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

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

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

When the system operates, a message appears on the multi-information display and head-up display (if equipped). Read the message and follow the instruction.

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

#### ■When starting off on a uphill

The hill-start assist control will activate. ( $\rightarrow$ P. 368)

#### ■ 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.

## ■ Engine speed while driving

In the following conditions, the engine speed may become high while driving. This is due to automatic up-shifting control or down-shifting implementation to meet driving conditions. It does not indicate sudden acceleration.

- The vehicle is judged to be driving uphill or downhill
- When the accelerator pedal is released

#### ■ Restraining the engine output (Brake Override System)

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

#### ■ Drive-Start Control (DSC)

When the TRC is turned off ( $\rightarrow$ P. 371), sudden start restraint control also does not operate. If your vehicle have trouble escaping from the mud or fresh snow due to sudden start restraint control operation, deactivate TRC ( $\rightarrow$ P. 371) 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.  $(\rightarrow P. 658)$ 

#### ■ Eco-friendly driving

→P. 145, 163, 169

# **▲** 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 engine running. 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.
- 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 engine. Turning the engine off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so.
  - However, in the event of an emergency, such as if it becomes impossible to stop the vehicle in the normal way: →P. 577
- 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. ( $\rightarrow$ P. 261, 266)
- 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.

# **MARNING**

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 cause the engine to stall or lead to poor brake and steering performance, resulting 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 engine from the transmission. 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 a gear other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

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

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

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

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

# **WARNING**

Observe the following precautions.

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

#### When the vehicle is stopped

- Do not race the engine. If the shift lever is 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 the engine is running, 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
- 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 vehi-
- 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 engine and lock the vehicle.

Do not leave the vehicle unattended while the engine is running. If the vehicle is parked with the shift lever in P but the parking brake is not set, the vehicle may start to move, possibly leading to an accident.

 Do not touch the exhaust pipes while the engine is running or immediately after turning the engine off.
 Doing so may cause burns.

#### ■When taking a nap in the vehicle

Always turn the engine off. Otherwise, if you accidentally move the shift lever or depress the accelerator pedal, this could cause an accident or fire due to engine overheating. Additionally, if the vehicle is parked in a poorly ventilated area, exhaust gases may collect and enter the vehicle, leading to death or a serious health hazard.

#### When braking

- When the brakes are wet, drive more cautiously. Braking distance increases when the brakes are wet, and this may cause one side of the vehicle to brake differently than the other side. Also, the parking brake may not securely hold the vehicle.
- If the brake booster device 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.
- Do not pump the brake pedal if the engine stalls. Each push on the brake pedal uses up the reserve for the power-assisted brakes.
- The brake system consists of 2 individual hydraulic systems; if one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase.

Have your brakes fixed immediately.

# ♠ NOTICE

# ■When driving the vehicle

- Do not depress the accelerator and brake pedals at the same time during driving, as this may restrain engine 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 vehi-

- 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 ( $\rightarrow$ P. 602, 620)

# When encountering flooded roads

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

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

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

- Brake function
- Changes in quantity and quality of oil and fluid used for the engine, transaxle, 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.

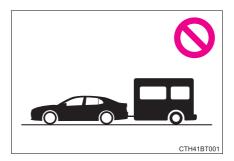
Failure to do so may prevent the pedals from being depressed properly, may block the driver's vision, or may result in items hitting the driver or passengers, possibly causing an accident.

- 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.

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



4

# Engine (ignition) switch (vehicles without a smart entry & start system)

# Starting the engine

- 1 Check that the parking brake is set.
- 2 Check that the shift lever is in P.
- 3 Firmly depress the brake pedal.
- 4 Turn the engine switch to the "START" position and start the engine.

# Changing the engine switch positions

(1) "LOCK"

The steering wheel is locked and the key can be removed. (The key can be removed only when the shift lever is in P.)

(2) "ACC"

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



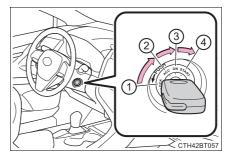
All electrical components can be used.

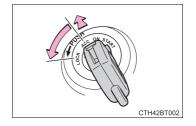
(4) "START"

For starting the engine.

# ■Turning the key from "ACC" to "LOCK"

- 1 Shift the shift lever to P. ( $\rightarrow$ P. 261, 266)
- 2 Push in the key and turn it to the "LOCK" position.





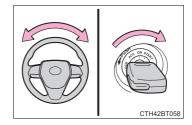
Depress the brake pedal and then turn the engine switch to the "START" position to start the engine.

# ■ If the engine does not start

The engine immobilizer system may not have been deactivated. ( $\rightarrow$ P. 115) Contact your Toyota dealer.

# ■When the steering lock cannot be released

When starting the engine, the engine switch may seem stuck in the "LOCK" position. To free it, turn the key while turning the steering wheel slightly left and right.



# ■ Key reminder function

A buzzer sounds if the driver's door is opened while the engine switch is in the "LOCK" or "ACC" position to remind you to remove the key.



# ■When starting the engine

Always start the engine while sitting in the driver's seat. Do not depress the accelerator pedal while starting the engine under any circumstances. Doing so may cause an accident resulting in death or serious injury.

# ■ Caution when driving

Do not turn the engine switch to the "LOCK" position while driving. If, in an emergency, you must turn the engine off while the vehicle is moving, turn the engine switch only to the "ACC" position to stop the engine. An accident may result if the engine is stopped while driving.  $(\rightarrow P. 577)$ 

# <u>^</u>

# NOTICE

# ■To prevent battery discharge

Do not leave the engine switch in the "ACC" or "ON" position for long periods of time without the engine running.

# ■When starting the engine

- Do not crank the engine for more than 30 seconds at a time. This may overheat the starter and wiring system.
- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have your vehicle checked by your Toyota dealer immediately.

4

# Engine (ignition) switch (vehicles with a smart entry & start system)

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

# Starting the engine

- 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 engine cannot be started.

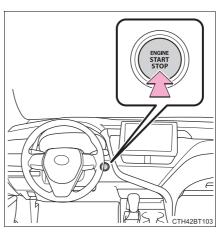
4 Press the engine switch shortly and firmly.

When operating the engine switch, one short, firm press is enough. It is not necessary to press and hold the switch.

The engine will crank until it starts or for up to 30 seconds, whichever is less.

Continue depressing the brake pedal until the engine is completely started.

The engine can be started from any engine switch mode.



# Stopping the engine

- 1 Stop the vehicle.
- 2 Set the parking brake ( $\rightarrow$ P. 274), and shift the shift lever to P.
- 3 Press the engine switch.

Driving-related data will be displayed on the multi-information display.

# Changing engine switch modes

Modes can be changed by pressing the engine switch with the brake pedal released. (The mode changes each time the switch is pressed.)

(1) Off\*

The emergency flashers can be used.

The multi-information display will not be displayed.

# (2) ACCESSORY mode

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

A message indicating how to start the engine will be displayed on the multi-information display.



All electrical components can be used.

\*: If the shift lever is in a position other than P when turning off the engine, the engine switch will be turned to ACCESSORY mode, not to off.

# 1 ACCESSORY 3 IGNITION ON CTH42BT059ME

# When stopping the engine with the shift lever in a position other than P

If the engine is stopped with the shift lever in a position other than P, the engine 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 engine 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 IGNITION ON mode (with the engine not running) for more than an hour with the shift lever in P, the engine switch will automatically turn off. However, this function cannot entirely prevent battery discharge. Do not leave the vehicle with the engine switch in ACCESSORY or IGNITION ON mode for long periods of time when the engine is not running.

# ■ Electronic key battery depletion

→P. 183

# ■ Conditions affecting operation

→P. 203

# ■ Notes for the entry function

→P. 204

# ■ If the engine does not start

- The engine immobilizer system may not have been deactivated. (→P. 115) Contact your Toyota dealer.
- Check that the shift lever is securely set in P. The engine may not start if the shift lever is displaced out of P.

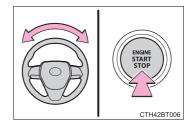
# ■ Steering lock

After turning the engine switch off and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the engine 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 engine 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 engine is turned on and off repeatedly in a short period of time. In this case, refrain from operating the engine. After about 10 seconds, the steering lock motor will resume functioning.

# ■When "Check Fuel Cap" is displayed on the multi-information display (for Korea)

→P. 300

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

# ■ If the electronic key battery is depleted

→P. 555

# **■** Operation of the engine switch

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

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

→P. 637

# **MARNING**

# ■When starting the engine

Always start the engine while sitting in the driver's seat. Do not depress the accelerator pedal while starting the engine under any circumstances. Doing so may cause an accident resulting in death or serious injury.

# ■ Caution while driving

If engine 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 engine in an emergency

• If you want to stop the engine in an emergency while driving the vehicle, press and hold the engine switch for more than 2 seconds, or press it briefly 3 times or more in succession. (→P. 577)

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

- If the engine 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 engine after it was turned off while driving, shift the shift lever to N and press the engine switch.

4

# **NOTICE**

# ■To prevent battery discharge

- Do not leave the engine switch in ACCESSORY or IGNITION ON mode for long periods of time without the engine running.
- If "ACCESSORY" or "IGNITION ON" is displayed on the multi-information display while the engine is not running, the engine switch is not off. Exit the vehicle after turning the engine switch off.
- Do not stop the engine when the shift lever is in a position other than P. If the engine is stopped in another shift lever position, the engine switch will not be turned off but instead be turned to ACCESSORY mode. If the vehicle is left in ACCESSORY mode, battery discharge may occur.

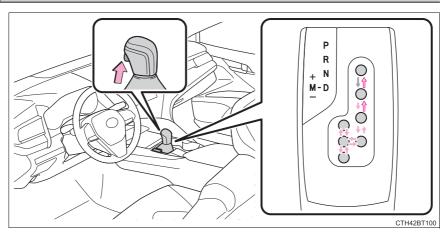
# **■When starting the engine**

- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have your vehicle checked by your Toyota dealer immediately.
- Symptoms indicating a malfunction with the engine switch

  If the engine switch seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact your Toyota dealer immediately.

# **Continuously variable transmission**\*

# Shifting the shift lever



Vehicles without a smart entry & start system:

While the engine switch is in the "ON" position and the brake pedal depressed\*, shift the shift lever while pushing the shift release button on the shift knob.

Vehicles with a smart entry & start system:

While the engine switch is in IGNITION 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.

\*: If equipped

# Shift position purpose

Shift position	Objective or function
Р	Parking the vehicle/starting the engine
R	Reversing
N	Neutral
D	Normal driving <sup>*1</sup>
М	10-speed sport sequential shiftmatic mode driving*2 (→P. 262)

<sup>\*1:</sup> To improve fuel efficiency and reduce noises, set the shift lever in D for normal driving.

# Changing gear steps in the M position

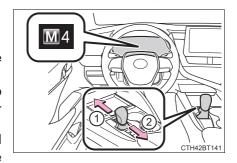
To enter 10-speed sport sequential shiftmatic mode, shift the shift lever to M. Gear steps can then be selected by operating the shift lever, allowing you to drive in the gear step of your choosing.

- 1 Upshifting
- 2 Downshifting

The gear changes once every time the shift lever is operated.

The selected gear step, from M1 to M10, will be displayed on the multi-information display.

However, even when in the M position, the gear steps will be automatically changed if the engine speed is too high, or too low.



<sup>\*2:</sup> Selecting gear step using the M position achieves suitable engine braking forces by operating the shift lever.

# ■ Gear step functions

- You can choose from 10 levels of engine braking force.
- A lower gear step will provide greater engine braking force than a higher gear step, and the engine speed will also increase.

# ■If the 10-speed sport sequential shiftmatic mode indicator does not come on even after shifting the shift lever to M

This may indicate a malfunction in the continuously variable transmission system. Have the vehicle inspected by your Toyota dealer immediately. (In this situation, the transmission will operate in the same manner as when the shift lever is in D.)

# ■When the vehicle comes to a stop with the shift lever in the M position

- The transmission will automatically downshift to M1 once the vehicle is stopped.
- After a stop, the vehicle will start off in M1.
- When the vehicle is stopped, the transmission is set at M1.

# ■When driving with dynamic radar cruise control with full-speed range activated (if equipped)

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 M mode, downshifting to 9, 8, 7, 6, 5 or 4.  $(\rightarrow P. 346)$ 

# ■ Downshifting restrictions warning buzzer

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever is operated. (A buzzer will sound twice.)

# ■ Continuously variable transmission fail-safe control

The system detects malfunctioning parts targeted (all of the solenoids that perform the shifting function) by the On-Board Diagnostics, and performs failsafe mechanisms, such as restricting the shifting function or transmission ratio control.

In this event, the malfunction indicator lamp turns on.

# ■ Restraining sudden start (Drive-start Control)

→P. 246

# ■ Reverse warning buzzer (for Taiwan)

When shifting into R, a buzzer will sound to inform the driver that the shift position is in R.

# ■ 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 engine switch is in the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) and the brake pedal is being depressed.

# ■ If the shift lever cannot be shifted from P

First, check whether the brake pedal is being depressed.

If the shift lever cannot be shifted with your foot on the brake pedal, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.

The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

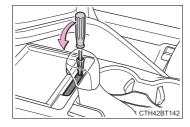
Releasing the shift lock:

- 1 Set the parking brake.
- 2 Vehicles without a smart entry & start system: Turn the engine switch to the "LOCK" position.

Vehicles with a smart entry & start system: Turn the engine switch to off.

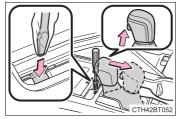
- 3 Depress the brake pedal.
- 4 Pry the cover up with a flathead screw-driver or equivalent tool.

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.



# **■** G AI-SHIFT

G Al-SHIFT automatically selects a suitable gear for sporty driving according to driver's input and driving conditions. G Al-SHIFT operates automatically when the shift lever is in D and sport mode is selected for the driving mode. (Selecting normal or eco drive mode ( $\rightarrow$ P. 432), or shifting the shift lever to the M position cancels this function.)

Make sure to return to D position driving and reduce speed by easing off the accelerator pedal. Stop the vehicle in a safe place, shift the shift lever to P and let the engine idle until the warning message goes out.

When the warning message goes out, the vehicle can be driven again.

If the warning message does not go out after waiting a while, have your vehicle inspected by your Toyota dealer.

# **MARNING**

# ■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

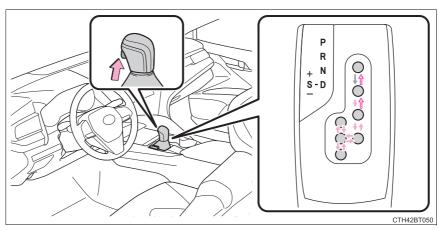
Before pressing the shift lock override button, make sure to set the parking brake and depress the brake pedal.

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.

4

# **Automatic transmission**

# Shifting the shift lever



Vehicles without a smart entry & start system:

While the engine switch is in the "ON" position and the brake pedal depressed\*, shift the shift lever while pushing the shift release button on the shift knob.

Vehicles with a smart entry & start system:

While the engine switch is in IGNITION 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
Р	Parking the vehicle/starting the engine
R	Reversing
N	Neutral
D	Normal driving <sup>*1</sup>
S	S mode driving*2 (→P. 267)

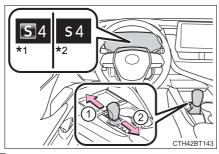
- \*1: Shifting to the D position allows the system to select a gear suitable for the driving conditions. Setting the shift lever to the D position is recommended for normal driving.
- \*2: Selecting shift ranges using S mode restricts the upper limit of the possible gear ranges, controls engine braking force, and prevents unnecessary upshifting.

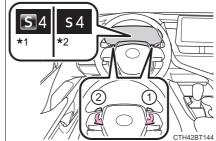
# Changing shift ranges in S mode

When the shift lever is in the S position, the shift lever or paddle shift switches (if equipped) can be operated as follows:

▶ Shift lever

▶ Paddle shift switches (if equipped)





- (1) Upshifting
- (2) Downshifting

The initial shift range in S mode is set automatically to 4, 5 or 6 according to vehicle speed. However, the initial shift range may be set to 3 if AI-SHIFT has operated while the shift lever was in the D position. (→P. 271)

- \*1: Vehicles with 4.2-inch display
- \*2: Vehicles with 7-inch display

# ■ Shift ranges and their functions

Meter display	Function
S2 - S8	A gear in the range between 1 and the selected gear is automatically chosen depending on vehicle speed and driving conditions
S1	Setting the gear at 1

A lower shift range will provide greater engine braking forces than a higher shift range.

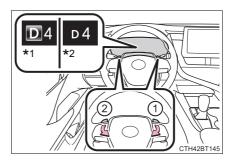
# Selecting shift ranges in the D position (vehicles with paddle shift switches)

To drive using temporary shift range selection, operate the "-" paddle shift switch. The shift range can then be selected by operating the "-" and "+" paddle shift switches. Changing the shift range allows restriction of the highest gear, preventing upshifting and enabling the level of engine braking force to be selected.

- (1) Upshifting
- (2) Downshifting

The selected shift range, from 1 to 8, or D will be displayed on the multi-information display.

<sup>\*2:</sup> Vehicles with 7-inch display



<sup>\*1:</sup> Vehicles with 4.2-inch display

Shift range selection in the D position will be deactivated in the following situations:

- The "+" paddle shift switch is held down for a period of time
- When the vehicle comes to a stop
- If the accelerator pedal is depressed for more than a certain period of time
- When the shift lever is shifted to a position other than D

## S mode

- •When the shift range is 7 or lower, holding the shift lever toward "+" sets the shift range to 8.
- To prevent the engine from over-revving, upshifting may automatically occur.
- To protect the automatic transmission, a function is adopted that automatically selects a higher shift range when the fluid temperature is high.
- Downshift restriction warning buzzer (S mode or paddle shifting)

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever or paddle shift switches are operated. (A buzzer will sound twice.)

■When driving with dynamic radar cruise control with full-speed range or cruise control 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 or cruise control will not be canceled.

- While driving in D or S mode, downshifting to 7, 6, 5, or 4. ( $\rightarrow$ P. 346, 363)
- ■When switching the driving mode to sport mode while driving in the D position. (→P. 432)
- Restraining sudden start (Drive-start Control)

→P. 246

4

# ■ 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 engine switch is in the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), the brake pedal is depressed and the shift release button is pushed.

# ■ If the shift lever cannot be shifted from P

First, check whether the brake pedal is being depressed.

If the shift lever cannot be shifted even though the brake pedal is depressed and the shift release button is pushed, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately. The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

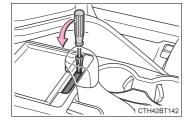
Releasing the shift lock:

- 1 Set the parking brake.
- 2 Vehicles without a smart entry & start system: Turn the engine switch to the "LOCK" position.

Vehicles with a smart entry & start system: Turn the engine switch off.

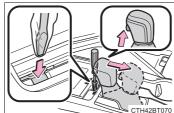
- 3 Depress the brake pedal.
- 4 Pry the cover up with a flathead screw-driver or equivalent tool.

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 your Toyota dealer immediately.

(In this situation, the transmission will operate in the same manner as when the shift lever is in D.)

The AI-SHIFT automatically selects the suitable gear according to driver performance and driving conditions.

The AI-SHIFT automatically operates when the shift lever is in D. (Shifting the shift lever to the S position or paddle shifting cancels the function.)

# 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.

# Turn signal lever

# Operating instructions

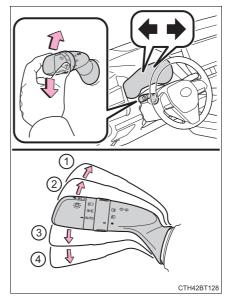
- (1) Right turn
- 2 Lane change to the right (move the lever partway and release it)

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

Vehicles without a smart entry & start system:

The engine switch is in the "ON" position.

Vehicles with a smart entry & start system:

The engine switch is in IGNITION 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.

# A mode can be selected from the following modes.

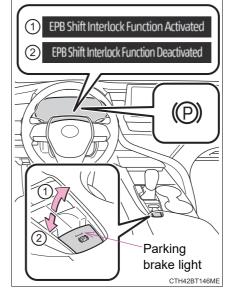
# Automatic mode

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. ( $\rightarrow$ P. 274)

- 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.



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.

4

# Manual mode

The parking brake can be set and released manually.

# (1) Sets the parking brake

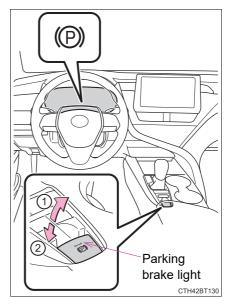
The parking brake indicator light and parking brake light will turn on. Pull and hold the parking brake switch if an emergency occurs and it is necessary to operate the parking brake while driving.

# (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

If the parking brake indicator light or parking brake light flashes, operate the switch again.

(→P. 589)



# ■ Parking the vehicle

→P. 244

# ■ Parking brake operation

- When the engine switch is not in the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), the parking brake cannot be released using the parking brake
- When the engine switch is not in the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), 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 illumi-

If the automatic release function does not operate, manually release the parking brake.

# ■If "Parking Brake Temporarily Unavailable" is displayed on the multiinformation 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

# ■If "Parking Brake Unavailable" is displayed on the multi-information display

Operate the parking brake switch. If the message does not disappear after operating the switch several times, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer 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 engine switch position or mode, the parking brake indicator light and parking brake light will turn on and stay on as described below:
  - ▶ Vehicles without a smart entry & start system

In the "ON" position: Comes on until the parking brake is released.

Not in the "ON" position: Stays on for approximately 15 seconds.

▶ Vehicles with a smart entry & start system

IGNITION ON mode: Comes on until the parking brake is released.

Not in IGNITION ON mode: Stays on for approximately 15 seconds.

When the engine 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. 588

# ■Usage in winter time

→P. 434



# ■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.



# ■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.

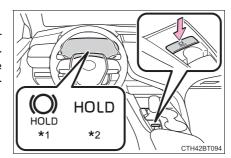
# ■When the parking brake cannot be released due to a malfunction

Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear. Contact your Toyota dealer immediately if this occurs.

Turns the brake hold system on

The brake hold standby indicator (green) comes on. While the system is holding the brakes, the brake hold operated indicator (yellow) will illuminate.

- \*1: Brake hold standby indicator
- \*2: Brake hold operated indicator



4

■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's seat belt is not buckled.

If either of the above is 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 brakes, 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 brakes, 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 brakes, firmly depress the brake pedal and press the switch 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.  $(\rightarrow P. 273)$ 

# ■When an inspection at your Toyota dealer is necessary

When the brake hold standby indicator (green) does not illuminate even when the brake hold switch is pressed with the brake hold system operating conditions met, the system may be malfunctioning. Have the vehicle inspected at your Toyota dealer.

# **■** 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. 589

# 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 engine switch off while the system is holding the brakes may release the brakes, which would cause the vehicle to move. When operating the engine switch, depress the brake pedal, shift the shift lever to P and set the parking brake.

# The headlights can be operated manually or automatically.

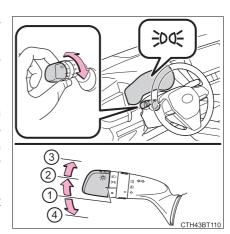
# Operating instructions

Operating the -\hat{\tilde{\ti

- ▶ Type A
- AUTO The headlights, day-time running lights (→P. 281) and all the lights listed below turn on and off automatically.
   (Vehicles without a

(Vehicles without a smart entry & start system: When the engine switch is in the "ON" position)

(Vehicles with a smart entry & start system: When the engine switch is in IGNITION ON mode)



₽

- 2 >D05 The front position, tail, rear side marker, license plate and instrument panel lights turn on.
- (3) The headlights and all the lights listed above turn on.
- (4) The daytime running lights turn on. ( $\rightarrow$ P. 281)

# ▶ Type B

1 AUTO The headlights, daytime running lights (→P. 281) and all the lights listed below turn on and off automatically.

(Vehicles without a smart entry & start system: When the engine switch is in the "ON" position)

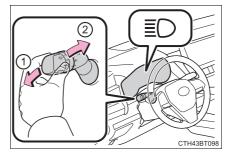
(Vehicles with a smart entry & start system: When the engine switch is in IGNITION ON mode)



- 2 >DOC 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.

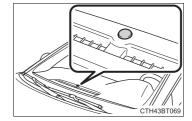
# ■ Daytime running light system

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever the engine 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

# ▶ Type A

The headlights and all lights turn off after the engine switch is turned off and the driver's door is opened.

To turn the lights on again, turn the engine switch to the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), or turn the light switch to the ▲UTO or position once and then back to the ♣D€ or ▮D position.

- ▶ Type B (Vehicles without a smart entry & start system)
- When only the tail lights are on: The tail lights turn off automatically if the engine switch is turned to the "ACC" or "LOCK" position and the driver's door is opened.

To turn the lights on again, turn the engine switch to "ON" position, or turn the light switch off once and then back to  $\Rightarrow$ 0 or  $\equiv$ 0.

If any of the doors or trunk lid is kept open, the lights automatically turn off after 20 minutes.

- ▶ Type B (Vehicles with a smart entry & start system)
- When the headlights are on: The headlights and tail lights turn off 30 seconds after the engine switch is turned to ACCESSORY mode or turned off and a door is opened and closed. (The lights turn off immediately if no the key is pressed twice after all the doors are closed.)
- When only the tail lights are on: The tail lights turn off automatically if the engine switch is turned to ACCESSORY mode or turned off and the driver's door is opened.

To turn the lights on again, turn the engine switch to IGNITION ON mode, or turn the light switch off once and then back to ⇒ or D.

If any of the doors or trunk lid is kept open, the lights automatically turn off after 20 minutes.

# ■ Light reminder buzzer (except when the light switch is in AUTO )

Vehicles without a smart entry & start system:

A buzzer sounds when the engine switch is turned to the "LOCK" or "ACC" position and the driver's door is opened with the key removed from the engine switch while the lights are turned on.

Vehicles with a smart entry & start system:

A buzzer sounds when the engine switch is turned off or turned to ACCES-SORY mode and the driver's door is opened while the lights are turned on.

# ■Automatic headlight leveling system (if equipped)

The level of the headlights is automatically adjusted according to the number of passengers and the loading condition of the vehicle to ensure that the headlights do not interfere with other road users.

# ■ Battery-saving function

In the following conditions, the headlights and the other remaining lights will go off automatically after 20 minutes in order to prevent the vehicle battery from being discharged:

- The headlights and/or tail lights are on.
- Vehicles without a smart entry & start system: The engine switch is in the "ACC" or "LOCK" position.

Vehicles with a smart entry & start system:

The engine switch is in ACCESSORY mode or turned off.

This function will be canceled in any of the following situations:

Vehicles without a smart entry & start system: When the engine switch is turned to the "ON" position.

Vehicles with a smart entry & start system:

When the engine switch is turned to IGNITION ON mode.

- When the light switch is operated
- When a door or the trunk is opened or closed

# Customization

Some functions can be customized. ( $\rightarrow$ P. 672)

# ■To prevent battery discharge

Do not leave the lights on longer than necessary when the engine is not running.

4

# AHB (Automatic High Beam)\*

The Automatic High Beam uses a front camera 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.

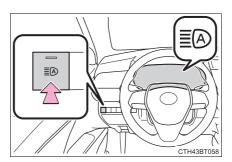
# Activating the Automatic High Beam

- 1 Turn the headlight switch to the 

  or auto position.

  (→P. 279)
- 2 Press the Automatic High Beam switch.

When the headlight switch lever is in the low beam position, the AHB system will be enabled and the AHB indicator will illuminate.



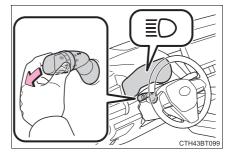
\*: If equipped

# ■ Switching to the high beams

Push the lever away from you.

The Automatic High Beam indicator will turn off and the high beam indicator will turn on.

Pull the lever to its original position to activate the Automatic High Beam system again.

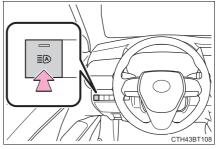


# ■ Switching to the low beams

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off.

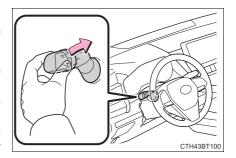
Press the switch to activate the Automatic High Beam system again.



# ■ Temporarily switching to the low beams

Pull the lever toward you and then return it to its original position.

The high beams are on while the lever is pulled toward you. However, after the lever is returned to its original position, the low beams remain on for a certain amount of time. Afterwards, the Automatic High Beam will be activated again.



# ■ Temporarily switching to the low beams

It is recommended to switch to the low beams when the high beam may cause problems or distress to other drivers or pedestrians nearby.

# ■ 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 30 km/h (19 mph)\* or more.
  - The area ahead of the vehicle is dark.
  - There are no vehicles ahead with headlights or tail lights turned on.
  - · There are few streetlights on the road ahead.
- If any of the following conditions is met, the high beams will turn off automatically:
  - The vehicle speed is below approximately 25 km/h (16 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.
- \*: The vehicle speed at which the high beams are automatically turned on/off may vary depending on the country for which the vehicle is approved.

# ■ Front camera 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 front camera is deformed or dirty
  - When the temperature of the front camera 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

# Fog light switch\*

The fog lights secure excellent visibility in difficult driving conditions, such as in rain and fog.

- ▶ Front fog light switch
- Turns the front fog lights off
- ② # Turns the front fog lights on

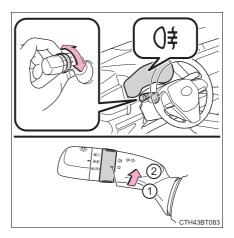


- ► Rear fog light switch
- 1 O Turns the rear fog light off
- ② ()

  Turns the rear fog light on

Releasing the switch ring returns it to  $\bigcirc$  .

Operating the switch ring again turns the rear fog light off.



\*: If equipped

- ▶ Front and rear fog light switch
- 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  $\frac{1}{2}$ .

Operating the switch ring again turns only the rear fog light off.



#### ■Fog lights can be used when

▶ Vehicles with a front fog light switch

The headlights or front position lights are turned on.

▶ 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.

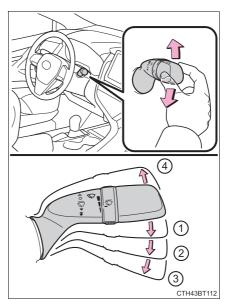
4

# Windshield wipers and washer

# Operating the wiper lever

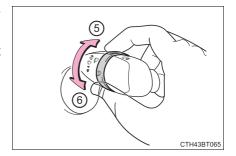
▶ Intermittent windshield wipers with interval adjuster

- Intermittent windshield wiper operation
  The intermittent windshield wiper operates more frequently as vehicle speed becomes higher.
- 2 ▼ Low speed windshield wiper operation
- (4) △ Temporary operation



Wiper intervals can be adjusted when intermittent operation is selected.

- (5) Increases the intermittent windshield wiper frequency
- 6 Decreases the intermittent windshield wiper frequency



7

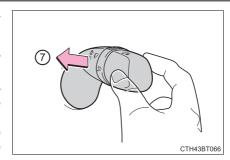
 $\Diamond$ 

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.

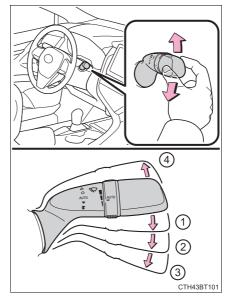
(After operating several times, the wipers operate once more time after a short delay to prevent dripping. However, the dripping prevention does not operate while the vehicle is moving.)



▶ Rain-sensing windshield wipers

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.

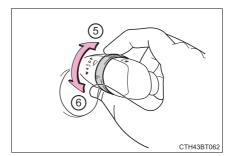
- 1 AUTO Rain-sensing windshield wiper operation
- 2 ▼ Low speed windshield wiper operation
- ∃ High speed windshield wiper operation
- ④ ▲ Temporary operation



When "AUTO" is selected, the sensor sensitivity can be adjusted as follows by turning the switch ring.

4

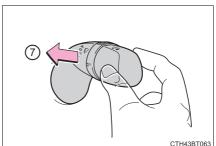
- (5) Increases the rain-sensing windshield wiper sensitivity
- 6 Decreases the rain-sensing windshield wiper sensitivity



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.)



Vehicles with headlight cleaners:

When the engine switch is in the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) 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

Vehicles without a smart entry & start system:

The engine switch is in the "ON" position.

Vehicles with a smart entry & start system:

The engine switch is in IGNITION ON mode.

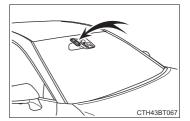
# ■ Effects of vehicle speed on wiper operation

Vehicle speed affects the intermittent wiper interval.

#### ■ Raindrop sensor (vehicles with rain-sensing windshield wipers)

The raindrop sensor judges the amount of raindrops.

An optical sensor is adopted. It may not operate properly when sunlight from the rising or setting of the sun intermittently strikes the windshield, or if bugs etc. are present on the windshield.



Vehicles without a smart entry & start system:

If the wiper switch is turned to the "AUTO" position while the engine switch is in the "ON" position, the wiper will operate once to show that "AUTO" mode is activated

Vehicles with a smart entry & start system:

If the wiper switch is turned to the "AUTO" position while the engine switch is in IGNITION 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 (vehicles with rain-sensing windshield wipers)

When "AUTO" is selected and the windshield wipers are operating, if a front door is opened, the operation of the windshield wipers will be stopped to prevent anyone near the vehicle from being sprayed by water from the wipers, provided the vehicle is stopped. When the front door is closed, wiper operation will resume.

#### ■When stopping the engine in an emergency while driving

If the windshield wipers are operating when the engine is stopped, the windshield wipers will operate in high speed operation. After the vehicle is stopped, operation will return to normal when the engine switch is turned to "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system), or operation will stop when the driver's door is opened.

4

# **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 your Toyota dealer.

Do not try to clear it with a pin or other object. The nozzle will be damaged.

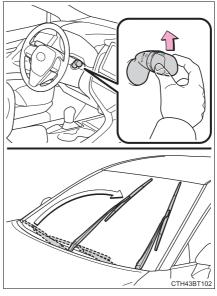
# Changing the windshield wiper rest position/Lifting the windshield wipers

When the windshield wipers are not being used, they retract to below the hood. To enable the windshield wipers to be lifted when parking in cold conditions or when replacing a windshield wiper insert, change the rest position of the windshield wipers to the service position using the wiper lever.

# ■ Raising the wipers to the service position

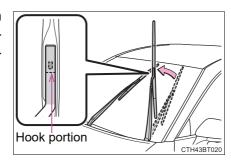
Within approximately 45 seconds of turning the engine switch off, move the wiper lever to the  $\Delta$  position and hold it for approximately 2 seconds or more.

The wipers will move to the service position.



While holding the hook portion of the wiper arm, lift the windshield wiper from the windshield.

■ Lifting the windshield wipers



#### ■ Lowering the windshield wipers to the retracted position

With the windshield wipers placed on the windshield, turn the engine switch to "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system) 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

- Vehicles without a smart entry & start system
   Turn the engine switch to the "LOCK" position and ensure that all the doors and windows are closed.
- Vehicles with a smart entry & start system
   Turn the engine switch off and ensure that all the doors and windows are closed.
- Confirm the type of fuel.

#### ■ Fuel types

→P. 671

#### ■ 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.

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#### ■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

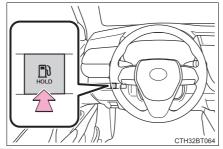
#### Refueling

Do not spill fuel during refueling.

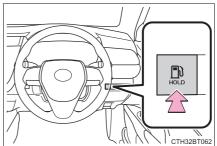
Doing so may damage the vehicle, such as causing the emission control system to operate abnormally or damaging fuel system components or the vehicle's painted surface.

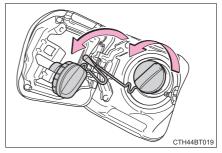
- 1 Press and hold the opener switch to open the fuel filler door.
- ▶ Left-hand drive vehicles

▶ Right-hand drive vehicles



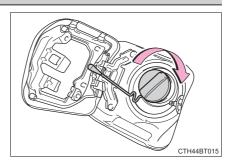
2 Turn the fuel tank cap slowly to remove it and hang it on the back of the fuel filler door.





# 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.



#### ■ If the fuel filler door cannot be opened

Remove the cover inside the trunk and pull the lever.



#### ■When "Check Fuel Cap" is displayed on the multi-information display (for Korea)

The fuel tank cap may be unfastened or loose. Turn the engine switch off, check the cap and tighten it securely. If the message remains, wait a few seconds and then turn the engine switch off once again.



#### ▲ WARNING

#### ■When replacing the fuel tank cap

Do not use anything but a genuine Toyota fuel tank cap designed for your vehicle. Doing so may cause a fire or other incident which may result in death or serious injury.

The Toyota Safety Sense consists of the following drive assist systems and contributes to a safe and comfortable driving experience:

#### **Driving assist system**

PCS (Pre-Collision System)

→P. 307

◆ LTA (Lane Tracing Assist)

→P. 325

◆ AHB (Automatic High Beam)

→P. 284

RSA (Road Sign Assist)\*

→P. 340

Dynamic radar cruise control with full-speed range

→P. 346

# **MARNING**

#### ■ 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.

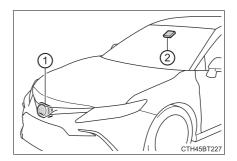
\*: If equipped

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#### Sensors

Two types of sensors, located behind the front grille and windshield, detect information necessary to operate the drive assist systems.

- (1) Radar sensor
- (2) Front camera



# **MARNING**

#### ■ To avoid malfunction of the radar sensor

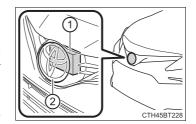
Observe the following precautions.

Otherwise, the radar sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the radar sensor and the radar sensor cover clean at all times.
- (1) Radar sensor
- ② Radar sensor cover

If the front of the radar sensor or the front or back of the radar sensor cover is dirty or covered with water droplets, snow, etc., clean it.

Clean the radar sensor and radar sensor cover with a soft cloth to avoid damaging them.



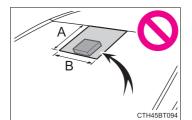
- Do not attach accessories, stickers (including transparent stickers) or other items to the radar sensor, radar sensor cover or surrounding area.
- Do not subject the radar sensor or its surrounding area to a strong impact. If the radar sensor, front grille, or front bumper has been subjected to a strong impact, have the vehicle inspected by your Toyota dealer.
- Do not disassemble the radar sensor.
- Do not modify or paint the radar sensor or radar sensor cover.
- In the following cases, the radar sensor must be recalibrated. Contact your Toyota dealer for details.
  - When the radar sensor or front grille are removed and installed, or replaced
  - · When the front bumper is replaced

#### ■To avoid malfunction of the front camera

Observe the following precautions.

Otherwise, the front camera may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the windshield clean at all times.
  - If the windshield is dirty or covered with an oily film, water droplets, snow, etc., clean the windshield.
  - If a glass coating agent is applied to the windshield, it will still be necessary to use the windshield wipers to remove water droplets, etc. from the area of the windshield in front of the front camera.
  - If the inner side of the windshield where the front camera is installed is dirty, contact your Toyota dealer.
- Do not attach objects, such as stickers, transparent stickers, etc., to the outer side of the windshield in front of the front camera (shaded area in the illustration).
  - A: From the top of the windshield to approximately 1 cm (0.4 in.) below the bottom of the front camera



- B: Approximately 20 cm (7.9 in.) (Approximately 10 cm [4.0 in.] to the right and left from the center of the front camera)
- If the part of the windshield in front of the front camera is fogged up or covered with condensation or ice, use the windshield defogger to remove the fog, condensation or ice. (→P. 443, 451)
- If water droplets cannot be properly removed from the area of the windshield in front of the front camera by the windshield wipers, replace the wiper insert or wiper blade.
- Do not attach window tint to the windshield.
- Replace the windshield if it is damaged or cracked.
   After replacing the windshield, the front camera must be recalibrated. Contact your Toyota dealer for details.
- Do not allow liquids to contact the front camera.
- Do not allow bright lights to shine into the front camera.
- Do not dirty or damage the front camera. When cleaning the inside of the windshield, do not allow glass cleaner to contact the lens of the front camera. Also, do not touch the lens. If the lens is dirty or damaged, contact your Toyota dealer.

- Do not subject the front camera to a strong impact.
- Do not change the installation position or direction of the front camera or remove it.
- Do not disassemble the front camera.
- Do not modify any components of the vehicle around the front camera (inside rear view mirror, etc.) or ceiling.
- Do not attach any accessories to the hood, front grille or front bumper that may obstruct the front camera. Contact your Toyota dealer for details.
- If a surfboard or other long object is to be mounted on the roof, make sure that it will not obstruct the front camera.
- Do not modify the headlights or other lights.

# ■ If a warning message is displayed on the multi-information display

A system may be temporarily unavailable or there may be a malfunction in the system.

• In the following situations, perform the actions specified in the table. When the normal operating conditions are detected, the message will disappear and the system will become operational.

If the message does not disappear, contact your Toyota dealer.

Situation	Actions
When the area around a camera is covered with dirt, moisture (fogged up, covered with condensation, ice, etc.), or other foreign matter	Using the wiper and A/C function, remove the dirt and other attached matter. (→P. 443, 451)
When the temperature around the front camera is outside of the operational range, such as when the vehicle is in the sun or in an extremely cold environment	If the front camera is hot, such as after the vehicle had been parked in the sun, use the air conditioning system to decrease the temperature around the front camera.  If a sunshade was used when the vehicle was parked, depending on its type, the sunlight reflected from the surface of the sunshade may cause the temperature of the front camera to become excessively high.
	If the front camera is cold, such after the vehicle is parked in an extremely cold environment, use the air condi- tioning system to increase the tem- perature around the front camera.
The area in front of the front camera is obstructed, such as when the hood is open or a sticker is attached to the part of the windshield in front of the front camera.	Close the hood, remove the sticker, etc. to clear the obstruction.
When "Pre-Collision System Unavailable See Owner's Manual" is displayed.	Check whether there is attached materials on the radar sensor and radar sensor cover, and if there is, remove it.

• In the following situations, if the situation has changed (or the vehicle has been driven for some time) and the normal operating conditions are detected, the message will disappear and the system will become operational.

If the message does not disappear, contact your Toyota dealer.

- When the temperature around the radar sensor is outside of the operational range, such as when the vehicle is in the sun or in an extremely cold environment
- When the front camera cannot detect objects in front of the vehicle, such as when driving in the dark, snow, or fog, or when bright lights are shining into the front camera
- Depending on the conditions in the vicinity of the vehicle, the radar may judge the surrounding environment cannot be properly recognized. In that case, "Pre-Collision System Unavailable See Owner's Manual" is displayed.

# PCS (Pre-Collision System)

The pre-collision system uses a radar sensor and front camera to detect objects ( $\rightarrow$ P. 307) in front of the vehicle. When the system determines that the possibility of a frontal collision with an object is high, a warning operates to urge the driver to take evasive action and the potential brake pressure is increased to help the driver avoid the collision. If the system determines that the possibility of a frontal collision with an object is extremely high, the brakes are automatically applied to help avoid the collision or help reduce the impact of the collision.

The pre-collision system can be disabled/enabled and the warning timing can be changed. ( $\rightarrow$ P. 313)

### Detectable objects and function availability

The system can detect the following (The detectable objects differs depending on the function.):

	_	·	
Regions	Detectable objects	Function availability	Countries/areas
А	<ul><li> Vehicles</li><li> Bicyclists</li><li> Pedestrians</li></ul>	The pre-collision warning, pre-collision brake assist, pre-collision braking, emergency steering assist and intersection right/left turn assistance are available	Ukraine, Russia, Kazakhstan, Korea, Taiwan, Hong Kong, Macao, GCC countries*
В		The pre-collision	Argentina
С	Vehicles	warning, pre-collision brake assist and pre- collision braking are available	Azerbaijan, Georgia, Armenia

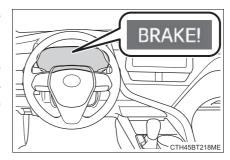
<sup>\*:</sup> Saudi Arabia, Oman, Bahrain, United Arab Emirates, Qatar, Kuwait The countries and areas for each region listed in the table are current as of February 2021. However, depending on when the vehicle was sold, the countries and areas of each region may be different. Contact your Toyota dealer for details.

\*: If equipped

#### System functions

# ■ Pre-collision warning

When the system determines that the possibility of a frontal collision is high, a buzzer will sound and a warning message will be displayed on the multi-information display to urge the driver to take evasive action.



#### ■ Pre-collision brake assist

When the system determines that the possibility of a frontal collision is high, the system applies greater braking force in relation to how strongly the brake pedal is depressed.

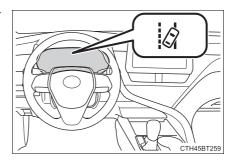
#### ■ Pre-collision braking

If the system determines that the possibility of a frontal collision is extremely high, the brakes are automatically applied to help avoid the collision or reduce the impact of the collision.

#### **■** Emergency steering assist (for region A)

If the system determines that the possibility of a frontal collision is high and that there is sufficient space for the vehicle to be steered into within its lane, and the driver has begun evasive maneuver or steering, emergency steering assist will assist the steering movements to help enhance the vehicle stability and for lane departure prevention.

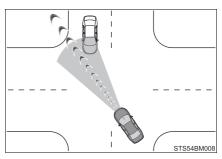
During operation, the indicator will illuminate in green.



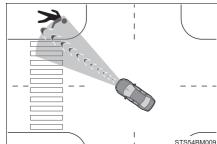
If the system determines that there is a high possibility of a collision in the following situations, it will assist with Pre-collision warning and, if necessary Pre-collision braking.

Depending on the configuration of the intersection, it may not be possible to support.

 When you turn right/left at an intersection and cross the path of an oncoming vehicle



 When you turn right/left, pedestrian is detected in the forward direction and estimated to enter your vehicle's path (bicyclists are not detected.)



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#### ■ Limitations of the pre-collision system

- The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
  - Do not use the pre-collision system instead of normal braking operations under any circumstances. This system will not prevent collisions or lessen collision damage or injury in every situation. Do not overly rely on this system. Failure to do so may lead to an accident, resulting in death or serious injury.
- Although this system is designed to help avoid a collision or help reduce the impact of the collision, its effectiveness may change according to various conditions, therefore the system may not always be able to achieve the same level of performance.
  - Read the following conditions carefully. Do not overly rely on this system and always drive carefully.
  - Conditions under which the system may operate even if there is no possibility of a collision: →P. 319
  - Conditions under which the system may not operate properly: →P. 321
- 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.

#### ■ Emergency steering assist (for region A)

- As emergency steering assist operation will be canceled when the system determines that lane departure prevention function has been completed.
- Emergency steering assist may not operate or may be cancel in the following cases as the system may determine the driver is taking actions.
  - If the accelerator pedal is being depressed strongly, the steering wheel
    is being operated sharply, the brake pedal is being depressed or the
    turn signal lever is being operated. In this case, the system may determine that the driver is taking evasive action and the emergency steering
    assist may not operate.
  - In some situations, while the emergency steering assist is operating, operation of the function may be canceled if the accelerator pedal is depressed strongly, the steering wheel is operated sharply or the brake pedal is being depressed and the system determines that the driver is taking evasive action.
  - When the emergency steering assist is operating, if the steering wheel is held firmly or is operated in the opposite direction to that which the system is generating torque, the function may be canceled.

#### ■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 engine running and the tires are allowed to rotate freely
- When inspecting the vehicle using a drum tester such as a chassis dynamometer or speedometer tester, or when using an on vehicle wheel balancer
- When a strong impact is applied to the front bumper or front grille, due to an accident or other reasons
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- When the vehicle is driven in a sporty manner or off-road
- When the tires are not properly inflated
- When the tires are very worn
- When tires of a size other than specified are installed
- When tire chains are installed
- When a compact spare tire or an emergency tire puncture repair kit is used
- If equipment (snow plow, etc.) that may obstruct the radar sensor or front camera is temporarily installed to the vehicle

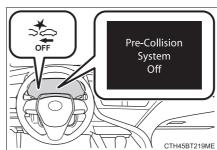
# ■ Enabling/disabling the pre-collision system

The pre-collision system can be enabled/disabled on (4.2-inch display) (or (7-inch display)) ( $\rightarrow$ P. 140, 155) of the multi-information display.

Vehicles without a smart entry & start system: The system is automatically enabled each time the engine switch is turned to the "ON" position.

Vehicles with a smart entry & start system: The system is automatically enabled each time the engine switch is turned to IGNITION 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.



4

Drivina

# ■ Changing the pre-collision warning timing

The pre-collision warning timing can be changed on (4.2-inch display) or (7-inch display) ( $\rightarrow$ P. 140, 155) of the multi-information display.

The warning timing setting is retained when the engine switch is turned off. However, if the pre-collision system is disabled and re-enabled, the operation timing will return to the default setting (middle).

For region A: If the pre-collision warning timing is changed, emergency steering assist timing will also be changed accordingly.

If late is selected, emergency steering assist would not operate in case of an emergency.

- (1) Early
- ② Middle This is the default setting.
- (3) Late



The pre-collision system is enabled and the system determines that the possibility of a frontal collision with a detected object is high.

The system may not operate in the following situations:

- If a battery terminal has been disconnected and reconnected and then the vehicle has not been driven for a certain amount of time
- · If the shift lever is in R
- When the VSC OFF indicator is illuminated (only the pre-collision warning function will be operational)
  - The operation speeds and operation cancellation for each function is listed below.

#### Pre-collision warning

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Preceding and stopped vehicles	Approx. 10 to 180 km/h (7 to 110 mph)	Approx. 10 to 180 km/h (7 to 110 mph)
For region A and B: Oncoming vehicles	Approx. 10 to 180 km/h (7 to 110 mph)	Approx. 20 to 180 km/h (13 to 110 mph)
For region A and B: Bicyclists and pedestrians	Approx. 10 to 80 km/h (7 to 50 mph)	Approx. 10 to 80 km/ h (7 to 50 mph)

While the pre-collision warning function is operating, if the steering wheel is operated heavily or suddenly, the pre-collision warning may be cancelled.

#### Pre-collision brake assist

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Preceding and stopped vehicles	Approx. 30 to 180 km/h (20 to 110 mph)	Approx. 30 to 180 km/h (20 to 110 mph)
For region A and B: Bicyclists and pedestrians	Approx. 30 to 80 km/h (20 to 50 mph)	Approx. 30 to 80 km/ h (20 to 50 mph)

4

#### Pre-collision braking

Detectable objects	Vehicle speed	Relative speed between your vehicle and object	
Preceding and stopped vehicles	Approx. 10 to 180 km/h (7 to 110 mph)	Approx. 10 to 180 km/h (7 to 110 mph)	
For region A and B: Oncoming vehicles	Approx. 10 to 180 km/h (7 to 110 mph)	Approx. 20 to 180 km/h (13 to 110 mph)	
For region A and B: Bicyclists and pedestrians	Approx. 10 to 80 km/h (7 to 50 mph)	Approx. 10 to 80 km/ h (7 to 50 mph)	

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.
- Emergency steering assist (for region A)

When the turn signal lights are flashing, emergency steering assist will not operate in case of an emergency.

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
	Approx. 40 to 80 km/h (25 to 50 mph)	Approx. 40 to 80 km/ h (25 to 50 mph)

If any of the following occur while the emergency steering assist function is operating, it will be canceled:

- The accelerator pedal is depressed strongly.
- The steering wheel is turned sharply or abruptly.
- The brake pedal is depressed.

Detectable objects	Vehicle speed	Oncoming vehi- cle speed	Relative speed between your vehicle and object
Oncoming vehicles		Approx. 30 to 55 km/h (20 to 35 mph)	
Pedestrians	Approx. 10 to 25 km/h (7 to 15 mph)	_	Approx. 10 to 25 km/h (7 to 15 mph)

• Intersection right/left turn assistance (pre-collision braking) (for region A)
When the turn signal lights are not flashing, support for turning left or right at an intersection which targets oncoming vehicles does not work.

Detectable objects	Vehicle speed	Oncoming vehi- cle speed	Relative speed between your vehicle and object
Oncoming vehicles		Approx. 30 to 45 km/h (20 to 28 mph)	
Pedestrians	Approx. 10 to 25 km/h (7 to 15 mph)	_	Approx. 10 to 25 km/h (7 to 15 mph)

4

#### ■ Object detection function

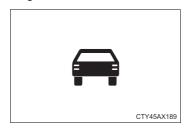
The system detects objects based on their size, profile, motion, etc. However, an object may not be detected depending on the surrounding brightness and the motion, posture, and angle of the detected object, preventing the system from operating properly.  $(\rightarrow P. 321)$ 

The illustration shows an image of detectable objects.

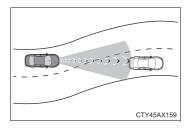
#### ▶ Region A and B



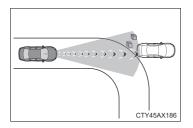
### ▶ Region C



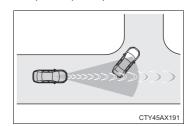
- In some situations such as the following, the system may determine that there is a possibility of a frontal collision and operate.
  - · When passing a detectable object, etc.
  - When changing lanes while overtaking a detectable object, etc.
  - When approaching a detectable object in an adjacent lane or on the roadside, such as when changing the course of travel or driving on a winding road



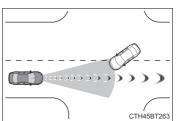
- · When rapidly closing on a detectable object, etc.
- When approaching objects on the roadside, such as detectable objects, guardrails, utility poles, trees, or walls
- When there is a detectable object or other object by the roadside at the entrance of a curve



- When there are patterns or paint in front of your vehicle that may be mistaken for a detectable object
- When the front of your vehicle is hit by water, snow, dust, etc.
- When overtaking a detectable object that is changing lanes or making a right/left turn

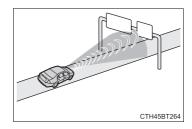


 When passing a detectable object in an oncoming lane that is stopped to make a right/left turn

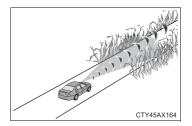


4

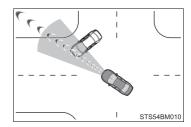
- When a detectable object approaches very close and then stops before entering the path of your vehicle
- If the front of your vehicle is raised or lowered, such as when on an uneven or undulating road surface
- When driving on a road surrounded by a structure, such as in a tunnel or on an iron bridge
- When there is a metal object (manhole cover, steel plate, etc.), steps, or a protrusion in front of your vehicle
- When passing under an object (road sign, billboard, etc.)



- When approaching an electric toll gate barrier, parking area barrier, or other barrier that opens and closes
- · When using an automatic car wash
- When driving through or under objects that may contact your vehicle, such as thick grass, tree branches, or a banner



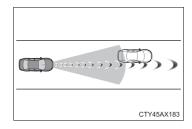
- · When driving through steam or smoke
- When driving near an object that reflects radio waves, such as a large truck or guardrail
- When driving near a TV tower, broadcasting station, electric power plant, radar equipped vehicles, etc., or other location where strong radio waves or electrical noise may be present
- When there are many things which can reflect the radio waves of the radar in the vicinity (tunnels, truss bridges, gravel roads, snow covered road that have tracks, etc.)
- For region A: While making a right/left turn, when an oncoming vehicle or a crossing pedestrian has already exited the path of your vehicle
- For region A: While making a right/left turn, closely in front of an oncoming vehicle or a crossing pedestrian.
- For region A: While making a right/left turn, when an oncoming vehicle or a crossing pedestrian stops before entering the path of your vehicle



· For region A: While steering into the direction of oncoming traffic

#### ■ Situations in which the system may not operate properly

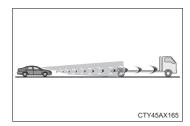
- In some situations such as the following, an object may not be detected by the radar sensor and front camera, preventing the system from operating properly:
  - · When a detectable object is approaching your vehicle
  - · When your vehicle or a detectable object is wobbling
  - If a detectable object makes an abrupt maneuver (such as sudden swerving, acceleration or deceleration)
- · When your vehicle approaches a detectable object rapidly
- When a detectable object is not directly in front of your vehicle



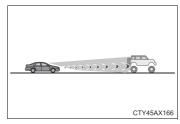
- When a detectable object is near a wall, fence, guardrail, manhole cover, vehicle, steel plate on the road, etc.
- · When a detectable object is under a structure
- When part of a detectable object is hidden by an object, such as large baggage, an umbrella, or guardrail
- When there are many things which can reflect the radio waves of the radar in the vicinity (tunnels, truss bridges, gravel roads, snow covered road that have tracks, etc.)
- When there is an effect on the radio waves to the radar that is installed on another vehicle
- · When multiple detectable objects are close together
- If the sun or other light is shining directly on a detectable object
- When a detectable object is a shade of white and looks extremely bright
- When a detectable object appears to be nearly the same color or brightness as its surroundings
- If a detectable object cuts or suddenly emerges in front of your vehicle
- When the front of your vehicle is hit by water, snow, dust, etc.
- When a very bright light ahead, such as the sun or the headlights of oncoming traffic, shines directly into the front camera
- When approaching the side or front of a vehicle ahead

4

- If a vehicle ahead is a motorcycle or bicycle (for region C)
- If a vehicle ahead is narrow, such as a personal mobility vehicle
- If a preceding vehicle has a small rear end, such as an unloaded truck
- If a preceding vehicle has a low rear end, such as a low bed trailer

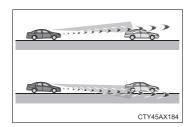


• If a vehicle ahead has extremely high ground clearance

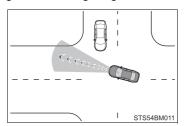


- If a vehicle ahead is carrying a load which protrudes past its rear bumper
- If a vehicle ahead is irregularly shaped, such as a tractor or side car
- For region A and B: If a vehicle ahead is a child sized bicycle, a bicycle that is carrying a large load, a bicycle ridden by more than one person, or a uniquely shaped bicycle (bicycle with a child seat, tandem bicycle, etc.)
- For region A and B: If a pedestrian/ or the riding height of a bicyclist ahead is shorter than approximately 1 m (3.2 ft.) or taller than approximately 2 m (6.5 ft.)
- For region A and B: If a pedestrian/bicyclist is wearing oversized clothing (a rain coat, long skirt, etc.), making their silhouette obscure
- For region A and B: If a pedestrian is bending forward or squatting or bicyclist is bending forward
- For region A and B: If a pedestrian/bicyclist is moving fast
- For region A and B: If a pedestrian is pushing a stroller, wheelchair, bicycle or other vehicle
- When driving in inclement weather such as heavy rain, fog, snow or a sandstorm
- · When driving through steam or smoke
- When the surrounding area is dim, such as at dawn or dusk, or while at night or in a tunnel, making a detectable object appear to be nearly the same color as its surroundings
- When driving in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a tunnel
- After the engine has started the vehicle has not been driven for a certain amount of time
- While making a left/right turn and for a few seconds after making a left/ right turn
- · While driving on a curve and for a few seconds after driving on a curve

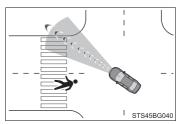
- · If your vehicle is skidding
- If the front of the vehicle is raised or lowered



- · If the wheels are misaligned
- · If a wiper blade is blocking the front camera
- The vehicle is being driven at extremely high speeds
- · When driving on a hill
- If the radar sensor or front camera is misaligned
- For region A: When driving in a traffic lane separated by more than one lane where oncoming vehicles are driving while making a right/left turn
- For region A: When largely out of place with the opposite facing targeted oncoming vehicle during a right/left turn



 For region A: While making a right/left turn, when a pedestrian approaches from behind or side of your vehicle



- For region A: In addition to the above, in some situations, such as the following, the emergency steering assist may not operate.
  - For region A: When the white (yellow) lane lines are difficult to see, such as when they are faint, diverging/merging, or a shadow is cast upon them
  - For region A: When the lane is wider or narrower than normal
  - For region A: When there is a light and dark pattern on the road surface, such as due to road repairs
  - For region A: When the target is too close
  - For region A: When there is insufficient safe or unobstructed space for the vehicle to be steered into
  - For region A: If oncoming vehicle is present
  - For region A: If VSC function is operating

4

- In some situations such as the following, sufficient braking force or steering force (for region A) 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
  - When the road surface has deep wheel tracks
  - · When driving on a hill road
  - · When driving on a road that has inclines to the left or right

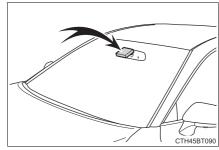
#### ■ If VSC is disabled

- If VSC is disabled (→P. 370), 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.

## **Summary of functions**

While driving on a road with clear white (yellow) lane lines, the LTA system warns the driver if the vehicle may deviate from the current lane or course\*, and also can slightly operate the steering wheel to help avoid deviation from the lane or course\*. Also, while the dynamic radar cruise control with full-speed range is operating, this system will operate the steering wheel to maintain the vehicle's lane position.

The LTA system recognizes white (yellow) lane lines or a course\* using the front camera. Additionally, it detects preceding vehicles using the front camera and radar.



\*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

## WARNING

## ■Before using LTA system

- Do not rely solely upon the LTA system. The LTA system does not automatically drive the vehicle or reduce the amount of attention that must be paid to the area in front of the vehicle. The driver must always assume full responsibility for driving safely by paying careful attention to the surrounding conditions and operating the steering wheel to correct the path of the vehicle. Also, the driver must take adequate breaks when fatigued, such as from driving for a long period of time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident, resulting in death or serious injury.

\*: If equipped

## **MARNING**

## ■ Situations unsuitable for LTA system

In the following situations, use the LTA switch to turn the system off. Failure to do so may lead to an accident, resulting in death or serious injury.

- Vehicle is driven on a road surface which is slippery due to rainy weather, fallen snow, freezing, etc.
- Vehicle is driven on a snow-covered road.
- White (yellow) lines are difficult to see due to rain, snow, fog, dust, etc.
- Vehicle is driven in a temporary lane or restricted lane due to construction work.
- Vehicle is driven in a construction zone.
- A spare tire, tire chains, etc. are equipped.
- When the tires have been excessively worn, or when the tire inflation pressure is low.
- During emergency towing

## Preventing LTA system malfunctions and operations performed by mistake

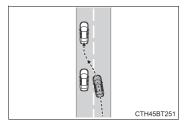
- Do not modify the headlights or place stickers, etc. on the surface of the lights.
- Do not modify the suspension etc. If the suspension etc. needs to be replaced, contact your Toyota dealer.
- Do not install or place anything on the hood or grille. Also, do not install a grille guard (bull bars, kangaroo bar, etc.).
- If your windshield needs repairs, contact your Toyota dealer.

## **WARNING**

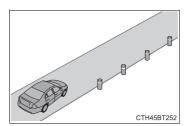
## ■ Conditions in which functions may not operate properly

In the following situations, the functions may not operate properly and the vehicle may depart from its lane. Drive safely by always paying careful attention to your surroundings and operate the steering wheel to correct the path of the vehicle without relying solely on the functions.

•When the follow-up cruising display is displayed (→P. 335) and the preceding vehicle changes lanes. (Your vehicle may follow the preceding vehicle and also change lanes.)



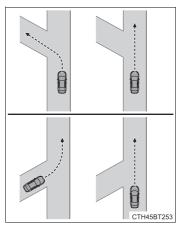
- When the follow-up cruising display is displayed (→P. 335) and the preceding vehicle is swaying. (Your vehicle may sway accordingly and depart from the lane.)
- When the follow-up cruising display is displayed (→P. 335) and the preceding vehicle departs from its lane. (Your vehicle may follow the preceding vehicle and depart from the lane.)
- When the follow-up cruising display is displayed (→P. 335) and the preceding vehicle is being driven extremely close to the left/right lane line. (Your vehicle may follow the preceding vehicle and depart from the lane.)
- Vehicle is being driven around a sharp curve.
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, reflective poles, etc.).



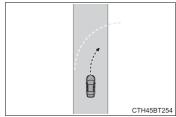
4

## **MARNING**

 Vehicle is driven where the road diverges, merges, etc.



 Repair marks of asphalt, white (yellow) lines, etc. are present due to road repair.



- There are shadows on the road that run parallel with, or cover, the white (yellow) lines.
- The vehicle is driven in an area without white (yellow) lines, such as in front of a tollgate or checkpoint, or at an intersection, etc.
- The white (yellow) lines are cracked, "Raised pavement marker" or stones are present.
- The white (yellow) lines cannot be seen or are difficult to see due to sand,
- The vehicle is driven on a road surface that is wet due to rain, puddles, etc.
- The traffic lines are yellow (which may be more difficult to recognize than lines that are white).
- The white (yellow) lines cross over a curb, etc.
- The vehicle is driven on a bright surface, such as concrete.
- If the edge of the road is not clear or straight.
- The vehicle is driven on a surface that is bright due to reflected light, etc.
- The vehicle is driven in an area where the brightness changes suddenly, such as at the entrances and exits of tunnels, etc.

## MARNING

- Light from the headlights of an oncoming vehicle, the sun, etc. enters the camera.
- The vehicle is driven on a slope.
- The vehicle is driven on a road which tilts left or right, or a winding road.
- The vehicle is driven on an unpaved or rough road.
- The traffic lane is excessively narrow or wide.
- The vehicle is extremely tilted due to carrying heavy luggage or having improper tire pressure.
- The distance to the preceding vehicle is extremely short.
- The vehicle is moving up and down a large amount due to road conditions during driving (poor roads or road seams).
- When driving in a tunnel or at night with the headlights off or when a headlight is dim due to its lens being dirty or it being misaligned.
- The vehicle is struck by a crosswind.
- The vehicle is affected by wind from a vehicle driven in a nearby lane.
- The vehicle has just changed lanes or crossed an intersection.
- Tires which differ by structure, manufacturer, brand or tread pattern are used.
- When tires of a size other than specified are installed.
- Snow tires, etc. are equipped.
- The vehicle is being driven at extremely high speeds.

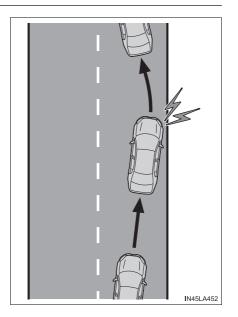
## Functions included in LTA system

## **♦** Lane departure alert function

When the system determines that the vehicle might depart from its lane or course\*, a warning is displayed on the multi-information display, and a warning buzzer will sound to alert the driver.

When the warning buzzer sounds, check the area around your vehicle and carefully operate the steering wheel to move the vehicle back to the center of the lane.

Vehicle with BSM: When the system determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the lane departure alert will operate even if the turn signals are operating.

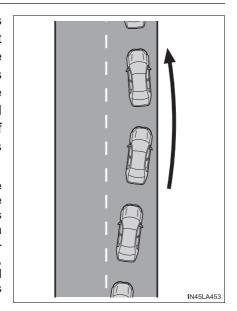


<sup>\*:</sup> Boundary between asphalt and the side of the road, such as grass, soil, or a curb

## Steering assist function

When the system determines that the vehicle might depart from its lane or course\*, the system provides assistance as necessary by operating the steering wheel in small amounts for a short period of time to keep the vehicle in its lane.

Vehicle with BSM: When the system determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the steering assist function will operate even if the turn signals are operating.

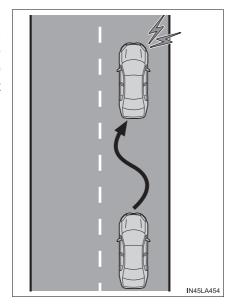


\*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

4

## ◆ Vehicle sway warning function

When the vehicle is swaying within a lane, the warning buzzer will sound and a message will be displayed on the multi-information display to alert the driver.

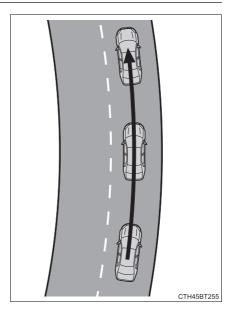


## **◆** Lane centering function

This function is linked with dynamic radar cruise control with full-speed range and provides the required assistance by operating the steering wheel to keep the vehicle in its current lane.

When dynamic radar cruise control with full-speed range is not operating, the lane centering function does not operate.

In situations where the white (yellow) lane lines are difficult to see or are not visible, such as when in a traffic jam, this function will operate to help follow a preceding vehicle by monitoring the position of the preceding vehicle.

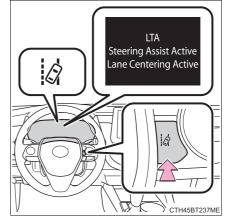


## ■ Turning the lane centering function ON/OFF

Press the LTA switch.

The lane centering function will change between ON/OFF each time the switch is pressed.

The current setting will be displayed on the multi-information display.



## ■ Turning the LTA system OFF

Press and hold the LTA switch

The LTA indicator light turns off when the LTA is turned OFF.

Press the switch again to turn the system on.

The LTA is turned ON each time the engine switch is turned to ON.

However, the lane centering function keeps either the ON/OFF state prior to the engine switch being turned OFF.

4

## Indications on the multi-information display

The illustration used is intended as an example, and may differ from the image that is actually displayed on the multi-information display.

## 1 LTA indicator

The illumination condition of the indicator informs the driver of the system operation status.

Illuminated in white:

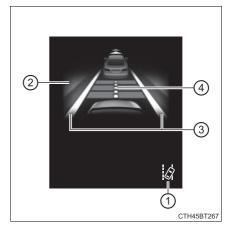
LTA system is operating.

Illuminated in green:

Steering wheel assistance of the steering assist function or lane centering function is operating.

Flashing in yellow:

Lane departure alert function is operating.



2 Operation display of steering wheel operation support

Displayed when the multi-information display is switched to the driving assist system information display.

Indicates that steering wheel assistance of the steering assist function or lane centering function is operating.

Both outer sides of the lane are displayed: Indicates that steering wheel assist of the lane centering function is operating.

One outer side of the lane is displayed: Indicates that steering wheel assist of the steering assist function is operating.

Both outer sides of the lane are flashing: Alerts the driver that their input is necessary to stay in the center of the lane (lane centering function).

Displayed when the multi-information display is switched to the driving assist system information display.

- ► Inside of displayed lines is
  ► Inside of displayed lines is
  white
  black
- CTH45BT037



Indicates that the system is recognizing white (yellow) lines or a course\*. When the vehicle departs from its lane, the white line displayed on the side the vehicle departs from flashes yellow.

Indicates that the system is not able to recognize white (yellow) lines or a course\* or is temporarily canceled.

- \*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb
- (4) Follow-up cruising display

Displayed when the multi-information display is switched to the driving assist system information display.

Indicates that steering assist of the lane centering function is operating by monitoring the position of a preceding vehicle.

When the follow-up cruising display is displayed, if the preceding vehicle moves, your vehicle may move in the same way. Always pay careful attention to your surroundings and operate the steering wheel as necessary to correct the path of the vehicle and ensure safety.

4

### ■ Operation conditions of each function

Lane departure alert function

This function operates when all of the following conditions are met.

- · LTA is turned on.
- Vehicle speed is approximately 50 km/h (32 mph) or more.\*1
- System recognizes white (yellow) lane lines or a course\*2. (When a white [yellow] line or course\*2 is recognized on only one side, the system will operate only for the recognized side.)
- Width of traffic lane is approximately 3 m (9.8 ft.) or more.
- Turn signal lever is not operated. (Vehicle with BSM: Except when another vehicle is in the lane on the side where the turn signal was operated)
- · Vehicle is not being driven around a sharp curve.
- No system malfunctions are detected. (→P. 339)
- \*1: The function operates even if the vehicle speed is less than approximately 50 km/h (32 mph) when the lane centering function is operating.
- \*2: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

### Steering assist function

This function operates when all of the following conditions are met in addition to the operation conditions for the lane departure alert function.

- · Vehicle is not accelerated or decelerated by a fixed amount or more.
- Steering wheel is not operated with a steering force level suitable for changing lanes.
- · ABS, VSC, TRC and PCS are not operating.
- · TRC or VSC is not turned off.
- Vehicle sway warning function

This function operates when all of the following conditions are met.

- Setting for "Sway Warning" in (4.2-inch display) or (7-inch display) of the multi-information display is set to "On". (→P. 134, 147)
- 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. 339)
- Lane centering function

This function operates when all of the following conditions are met.

- · LTA is turned on.
- Setting for "Lane Center" in (4.2-inch display) or (7-inch display) of the multi-information display is set to "On". (→P. 134, 147)
- This function recognizes white (yellow) lane lines or the position of a preceding vehicle (except when the preceding vehicle is small, such as a motorcycle).

- Width of traffic lane is approximately 3 to 4 m (10 to 13 ft.).
- · Turn signal lever is not operated.
- Vehicle is not being driven around a sharp curve.
- No system malfunctions are detected. (→P. 339)
- · Vehicle does not accelerate or decelerate by a fixed amount or more.
- Steering wheel is not operated with a steering force level suitable for changing lanes.
- · ABS, VSC, TRC and PCS are not operating.
- · TRC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P. 338)
- The vehicle is being driven in the center of a lane.
- · Steering assist function is not operating.

#### ■ Temporary cancelation of functions

- When operation conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function is automatically restored. (→P. 336)
- If the operation conditions (→P. 336) are no longer met while the lane centering function is operating, the buzzer may sound to indicate that the function has been temporarily canceled.

## ■ Steering assist function/lane centering function

- Depending on the vehicle speed, lane departure situation, road conditions, etc., the driver may not feel the function is operating or the function may not operate at all.
- The steering control of the function is overridden by the driver's steering wheel operation.
- Do not attempt to test the operation of the steering assist function.

## ■ Lane departure alert function

- The warning buzzer may be difficult to hear due to external noise, audio playback, etc.
- If the edge of the course\* is not clear or straight, the lane departure alert function may not operate.
- Vehicle with BSM: It may not be possible for the system to determine if there is a danger of a collision with a vehicle in an adjacent lane.
- Do not attempt to test the operation of the lane departure alert function.
- \*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

4

#### Hands off steering wheel warning

In the following situations, a warning message urging the driver to hold the steering wheel and the symbol shown in the illustration are displayed on the multi-information display to warn the driver. The warning stops when the system determines that the driver holds the steering wheel. Always keep your hands on the steering wheel when using this system, regardless of warnings.



• When the system determines the driver is not holding the steering wheel while the lane centering function is operating.

If the driver continues to keep their hands off of the steering wheel, the buzzer sounds, the driver is warned and the function is temporarily canceled. This warning also operates in the same way when the driver continuously operates the steering wheel only a small amount.

• When the system determines that the vehicle may deviate from the lane while driving around a curve while the lane centering function is operating.

Depending on the vehicle condition and road conditions, the warning may not operate. Also, if the system determines that the vehicle is driving around a curve, warnings will occur earlier than during straight-lane driving.

• When the system determines that the driver is driving without holding the steering wheel while the steering wheel assist of the steering assist function is operating.

If the driver continues to keep their hands off of the steering wheel and the steering wheel assist is operating, the buzzer sounds and the driver is warned. Each time the buzzer sounds, the continuing time of the buzzer becomes longer.

### ■ Vehicle sway warning function

When the system determines that the vehicle is swaying while the vehicle sway warning function is operating, a buzzer sounds and a warning message urging the driver to rest and the symbol shown in the illustration are simultaneously displayed on the multi-information display.



Depending on the vehicle and road conditions, the warning may not operate.

If the following warning message is displayed on the multi-information display and the LTA indicator illuminates in orange, follow the appropriate trouble-shooting procedure. Also, if a different warning message is displayed, follow the instructions displayed on the screen.

"LTA Malfunction Visit Your Dealer"

The system may not be operating properly. Have the vehicle inspected by your Toyota dealer.

"LTA Unavailable"

The system is temporarily canceled due to a malfunction in a sensor other than the front camera. Turn the LTA system off, wait for a little while, and then turn the LTA system back on.

"LTA Unavailable at Current Speed"

The function cannot be used as the vehicle speed exceeds the LTA operation range. Drive slower.

## ■ Customization

Function settings can be changed. (→P. 139, 154)

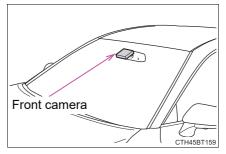
4

Drivina

## RSA (Road Sign Assist)\*

## Summary of function

The RSA system recognizes specific road signs using the front camera and/or navigation system (when speed limit information is available) to provide information to the driver via the display.



If the system judges that the vehicle is being driven over the speed limit, performing prohibited actions, etc. according to the recognized road signs, it notifies the driver through a visual notification and notification buzzer\*.

\*: This setting needs to be customized.

## **▲** WARNING

## ■Before using the RSA

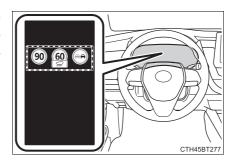
Do not rely solely upon the RSA system. RSA is a system which supports the driver by providing information, but it is not a replacement for a driver's own vision and awareness. Drive safely by always paying careful attention to the traffic rules.

\*: If equipped

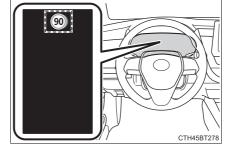
## Indication on the multi-information display

When the front camera recognizes a sign and/or information of a sign is available from the navigation system, the sign will be displayed on the multi-information display.

• When the driving assist system information is selected, a maximum of 3 signs can be displayed. (→P. 147)



- When a tab other than the driving assist system information is selected, the following types of road signs will be displayed.
  (→P. 147)
  - Speed limit begins/ends sign
  - Speed limit related information sign (Motorway, Expressway, Urban area, Residential area)



- End of prohibition sign
- No-entry sign\* (when notification is necessary)
- Speed limit with supplemental sign (Ramp way only)
- \*: For vehicles with navigation system

If signs other than speed limit signs are recognized, they will be displayed in an overlapping stack under the current speed limit sign.

4

## Supported types of 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.

Speed limit road signs

Road signs	Туре	Road signs	Туре
(90)	Speed limit begins/ Maximum speed zone begins	90	Speed limit ends/ Maximum speed zone ends

## Speed limit related information\*

Road signs	Туре	Road signs	Туре
<b>A</b>	Motorway entrance	X	Motorway exit
	Expressway entrance	<i>5</i> 4	Expressway exit
hat	Urban area begin- ning	1	Urban area ending
<b>(</b>	Urban area begin- ning		Urban area ending
<b>1</b> .*	Residential area beginning		Residential area ending

<sup>\*:</sup> Displayed when a sign is recognized but speed limit information for the road is not available from the navigation system

Road signs	Туре		Road signs	Туре
	No begins	overtaking		No overtaking ends

## Other road signs

Road signs	Туре	Road signs	Туре
	No-entry*		End of prohibition
STOP	Stop		

<sup>\*:</sup> For vehicles with navigation system

## Speed limit with supplemental mark\*1

Road signs	Туре	Road signs	Туре
	Wet	C IIII	Rain
*	Ice		Supplemental mark exists*2
7	Exit ramp on right*3	<b>L</b>	Exit ramp on left*3
0	Time		

<sup>\*1:</sup> Displayed simultaneously with speed limit.

4

<sup>\*2:</sup> Contents not recognized.

<sup>\*3:</sup> If the turn signal indicator is not operated when changing lanes, the mark does not display.

### Notification function

In the following situations, the RSA system will notify the driver.

- When the vehicle speed exceeds the speed notification threshold of the speed limit sign displayed, the sign display will be emphasized and a buzzer will sound.
- When the RSA system recognizes a no-entry sign and detects that the vehicle has entered a no-entry area based on the map information of the navigation system, the no-entry sign flashes and a buzzer will sound. (For vehicles with navigation system)
- If it is detected that your vehicle is overtaking when a no overtaking sign is displayed on the multi-information display, the displayed sign will flash and a buzzer will sound.
  - Depending on the situation, traffic environment (traffic direction, speed unit) may be detected incorrectly and a notification function may not operate properly.

- Cotting	nroc	oduro
Setting	proc	euure

1 Press	<b>^/∨</b>	of the meter control switches, select	€}.
<sup>2</sup> Press	>	of the meter control switches, select	°⇔.

Press of the meter control switch.

Each time os is pressed, the function changes on/off.

### ■ Automatic turn-off of RSA sign display

One or more signs automatically turn off in the following situations.

- No sign has been recognized for a certain distance.
- The road changes due to a left or right turn, etc.

In the following situations, RSA does not operate normally and may not recognize signs, display the incorrect sign, etc. However, this does not indicate a malfunction.

- The front camera is misaligned due to a strong impact being applied to the sensor, etc.
- Dirt, snow, stickers, etc. are on the windshield near the front camera.
- In inclement weather such as heavy rain, fog, snow or sand storms.
- Light from an oncoming vehicle, the sun, etc. enters the front camera.
- The sign is dirty, faded, tilted or bent.
- The contrast of electronic sign is low.
- All or part of the sign is hidden by the leaves of a tree, a pole, etc.
- The sign is only visible to the front camera for a short amount of time.
- The driving scene (turning, lane change, etc.) is judged incorrectly.
- If a sign not appropriate for the currently traveled lane, but the sign exists directly after a freeway branches, or in an adjacent lane just before merging.
- Stickers are attached to the rear of the preceding vehicle.
- A sign resembling a system compatible sign is recognized.
- Side road speed signs may be detected and displayed (if positioned in sight of the front camera) while the vehicle is traveling on the main road.
- Roundabout exit road speed signs may be detected and displayed (if positioned in sight of the front camera) while traveling on a roundabout.
- The front of the vehicle is raised or lowered due to the carried load.
- The surrounding brightness is not sufficient or changes suddenly.
- When a sign intended for trucks, etc. is recognized.
- The vehicle is driven in a country with a different direction of traffic.
- The navigation system map data is outdated.
- The navigation system is not operating.
- The speed information displayed on the meter and on the navigation system may be different due to the navigation system using map data.

## ■ Speed limit sign display

If the engine switch was last turned off while a speed limit sign was displayed on the multi-information display, the same sign displays again when the engine switch is turned to ON.

### ■If "RSA Malfunction Visit Your Dealer" is shown

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

## ■ Customization

Some functions can be customized. ( $\rightarrow$ P. 154)

4

## Dynamic radar cruise control with fullspeed 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.

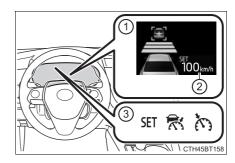
Use the dynamic radar cruise control with full-speed range on freeways and highways.

- Vehicle-to-vehicle distance control mode (→P. 350)
- Constant speed control mode (→P. 357)

## System Components

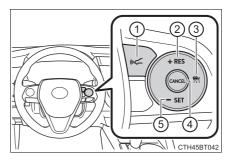
## ■ Meter display

- 1 Multi-information 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



\*: If equipped

## **MARNING**

## ■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. 361
- · Conditions under which the vehicle-to-vehicle distance control mode may not function correctly: →P. 362
- Set the speed appropriately depending on the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for checking the set speed.
- Even when the system is functioning normally, the condition of the preceding vehicle as detected by the system may differ from the condition observed by the driver. Therefore, the driver must always remain alert, assess the danger of each situation and drive safely. Relying solely on this system or assuming the system ensures safety while driving can lead to an accident, resulting in death or serious injury.
- Switch the dynamic radar cruise control with full-speed range setting to off, using the cruise control main switch when not in use.

## **▲** 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 does not include functions which will prevent or avoid collisions with vehicles ahead of your vehicle. Therefore, if there is ever any possibility of danger, the driver must take immediate and direct control of the vehicle and act appropriately in order to ensure the safety of all involved.

## **▲** WARNING

## ■Situations unsuitable for dynamic radar cruise control with full-speed range

Do not use dynamic radar cruise control with full-speed range in any of the following situations.

Doing so may result in inappropriate speed control and could cause an accident resulting in death or serious injury.

- Roads where there are pedestrians, cyclists, etc.
- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients

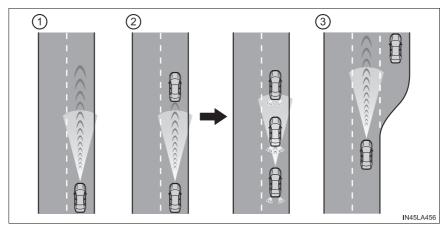
Vehicle speed may exceed the set speed when driving down a steep hill.

- At entrances to freeways and highways
- When weather conditions are bad enough that they may prevent the sensors from detecting correctly (fog, snow, sandstorm, heavy rain, etc.)
- When there is rain, snow, etc. on the front surface of the radar or front
- In traffic conditions that require frequent repeated acceleration and deceleration
- During emergency towing
- When an approach warning buzzer is heard often

## Driving in vehicle-to-vehicle distance control mode

This mode employs a radar to detect the presence of vehicles up to approximately 100 m (328 ft.) ahead, determines the current vehicle-to-vehicle following distance, and operates to maintain a suitable following distance from the vehicle ahead. The desired vehicle-to-vehicle distance can also be set by operating the vehicle-to-vehicle distance switch.

When driving on downhill slopes, the vehicle-to-vehicle distance may become shorter.



1) Example of constant speed cruising When there are no vehicles ahead

The vehicle travels at the speed set by the driver.

② Example of deceleration cruising and follow-up cruising When a preceding vehicle driving slower than the set speed appears

When a vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system applies the brakes (the stop lights will come on at this time). The system will respond to changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver. Approach warning warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.

When the vehicle ahead of you stops, your vehicle will also stop (vehicle is stopped by system control). After the vehicle ahead starts off, pressing the "+ RES" switch or depressing the accelerator pedal (start-off operation) will resume follow-up cruising. If the start-off operation is not performed, system control continues to keep your vehicle stopped.

The system's identification of what is an overtaking lane may be determined solely based on the location of the steering wheel in the vehicle (left side driver position versus right side driver position.) If the vehicle is driven to a region where the overtaking lane is on a different side from where the vehicle is normally driven, the vehicle may accelerate when the turn signal lever is operated in the opposite direction to the overtaking lane (e.g., if the driver normally operates the vehicle in a region where the overtaking lane is to the right but then drives to a region where the overtaking lane is to the left, the vehicle may accelerate when the right turn signal is activated).

(3) Example of acceleration

When there are no longer any preceding vehicles driving slower than the set speed

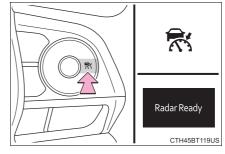
The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

## Setting the vehicle speed (vehicle-to-vehicle distance control mode)

1 Press the 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.

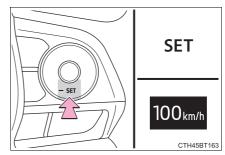


If the cruise control main switch is pressed and held for 1.5 seconds or more, the system turns on in constant speed control mode.  $(\rightarrow P. 357)$ 

2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 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.



4

## Adjusting the set speed

Adjusting the set speed by the switch

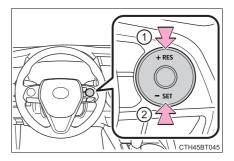
To change the set speed, press the "+ RES" or "- SET" switch until the desired set speed is displayed.

1 Increases the speed

(Except when the vehicle has been stopped by system control in vehicle-to-vehicle distance control mode)

(2) Decreases the speed

Fine adjustment: Press the switch. Large adjustment: Press and hold the switch to change the speed, and release when the desired speed is reached.



In the vehicle-to-vehicle distance control mode, the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6mph) each time the switch is pressed Large adjustment: Increases or decreases in 5 km/h (3.1 mph) increments for as long as the switch is held

In the constant speed control mode ( $\rightarrow$ P. 357), the set speed will be increased or decreased as follows:

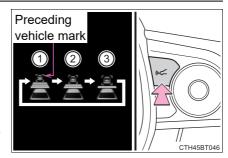
Fine adjustment: By 1 km/h (0.6 mph) each time the switch is pressed Large adjustment: The speed will continue to change while the switch is held.

- Increasing the set speed by the accelerator pedal
- 1 Accelerate with accelerator pedal operation to the desired vehicle speed
- 2 Press the "- SET" switch

Pressing the switch changes the vehicle-to-vehicle distance as follows:

- (1) Long
- (2) Medium
- (3) Short

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.

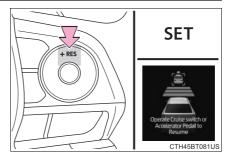
Distance options	Vehicle-to-vehicle distance	
Long	Approximately 50 m (160 ft.)	
Medium	Approximately 40 m (130 ft.)	
Short	Approximately 30 m (100 ft.)	

4

## 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.

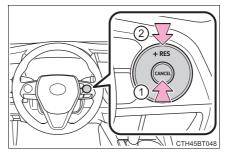


## Canceling and resuming the speed control

1 Pressing the cancel switch cancels the speed control.

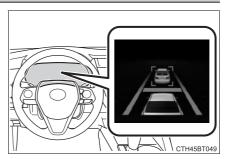
The speed control is also canceled when the brake pedal is depressed.

(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.

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

### Curve speed reduction function

While driving in vehicle-to-vehicle distance control mode, this function will reduce the vehicle speed, if it is determined to be necessary.

#### **■** Function operation

When the steering wheel begins to be turned, the vehicle speed will begin being reduced. When the steering wheel is returned to the center position, the vehicle speed reduction will end.

Depending on the situation, the vehicle speed will then return to the vehicle-to-vehicle distance control mode set speed.

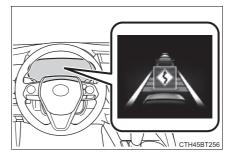
In situations where vehicle-to-vehicle distance control needs to operate, such as when a preceding vehicle cuts in front of your vehicle, the curve speed reduction function will be canceled.

4

## ■ Operation display

Displayed when the vehicle speed is being reduced.

When the vehicle speed reduction ends, the display will disappear.



## ■ Changing the settings of the curve speed reduction function

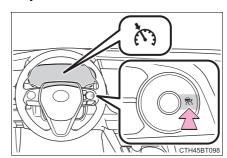
The curve speed reduction function can be enabled/disabled and the vehicle speed reduction strength can be adjusted.

- ▶ Vehicles with 4.2-inch multi-information display
- 2 Press ∧/∨ of the meter control switches, select <a>
  <a>
  <a>
  <a>
  </a>
  </a>.
- 3 Press of the meter control switch.
- 4 Select "Curve Speed Reduction".
- ▶ Vehicles with 7-inch multi-information display
- 1 Press ∧/ ∨ of the meter control switches, select
- 2 Press < / > of the meter control switches, select < ...
- 3 Press and hold of the meter control switch.
- 4 Select "Curve Speed Reduction".

When constant speed control mode is selected, your vehicle will maintain a set speed without controlling the vehicle-to-vehicle distance. Select this mode only when vehicle-to-vehicle distance control mode does not function correctly due to a dirty radar, etc.

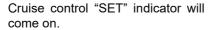
1 With the cruise control off, press and hold the cruise control main switch for 1.5 seconds or more.

Immediately after the switch is pressed, the dynamic radar cruise control indicator will come on. Afterwards, it switches to the cruise control indicator.



Switching to constant speed control mode is only possible when operating the switch with the cruise control off.

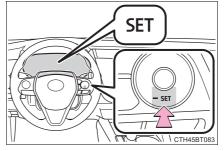
2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the "- SET" switch to set the speed.



The vehicle speed at the moment the switch is released becomes the set speed.

Adjusting the speed setting:  $\rightarrow$ P. 352

Canceling and resuming the speed setting:  $\rightarrow$ P. 354



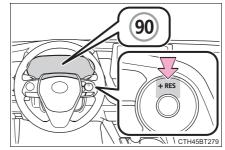
4

## Dynamic Radar Cruise Control with Road Sign Assist (if equipped)

When this function is enabled and the system is operating in vehicle-to-vehicle distance control mode ( $\rightarrow$ P. 350), when a speed limit sign is detected, the recognized speed limit will be displayed with an up/down arrow. The set speed can be increased/reduced to the recognized speed limit by pressing and holding the "+ RES"/"- SET" switch.

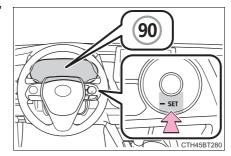
 When the current set speed is lower than the recognized speed limit

Press and hold the "+ RES" switch.



 When the current set speed is higher than the recognized speed limit

Press and hold the "- SET" switch.



## Enabling/Disabling the Dynamic Radar Cruise Control with Road Sign Assist (if equipped)

Dynamic Radar Cruise Control with Road Sign Assist can be enabled/ disabled in ♠ on the multi-information display. (→P. 154)

When the Dynamic Radar Cruise Control with Road Sign Assist is operating, while driving down a hill, the vehicle speed may exceed the set speed.

In this case, the displayed set vehicle speed will be highlighted and a buzzer will sound to alert the driver.

#### ■ Dynamic radar cruise control with full-speed range can be set when

- The shift lever is in D.
- The desired set speed can be set when the vehicle speed is approximately 30 km/h (20 mph) or more.
  - (However, when the vehicle speed is set while driving at below approximately 30 km/h [20 mph], the set speed will be set to approximately 30 km/h [20 mph].)

#### ■ Accelerating after setting the vehicle speed

The vehicle can accelerate by operating the accelerator pedal. After accelerating, the set speed resumes. However, during vehicle-to-vehicle distance control mode, the vehicle speed may decrease below the set speed in order to maintain the distance to the preceding vehicle.

#### ■ When the vehicle stops while follow-up cruising

- Pressing the "+ RES" switch while the vehicle ahead stops will resume follow-up cruising if the vehicle ahead starts off within approximately 3 seconds after the switch is pressed.
- If the vehicle ahead starts off within 3 seconds after your vehicle stops, follow-up cruising will be resumed.

#### ■ Automatic cancelation of vehicle-to-vehicle distance control mode

Vehicle-to-vehicle distance control mode is automatically canceled in the following situations:

- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- The sensor cannot detect correctly because it is covered in some way.
- When the brake control or output restriction control of a driving support system operates. (For example: Pre-Collision System, Drive-Start Control)
- The parking brake is operated.
- The vehicle is stopped by system control on a steep incline.
- The following are detected when the vehicle has been stopped by system control:
  - · The driver is not wearing a seat belt.
  - The driver's door is opened.
  - The vehicle has been stopped for about 3 minutes

If vehicle-to-vehicle distance control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

#### ■ Automatic cancelation of constant speed control mode

Constant speed control mode is automatically canceled in the following situations:

- Actual vehicle speed is more than approximately 16 km/h (10 mph) below the set vehicle speed.
- Actual vehicle speed falls below approximately 30 km/h (20 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- When the brake control or output restriction control of a driving support system operates. (For example: Pre-Collision System, Drive-Start Control)
- The parking brake is operated.

If constant speed control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

# ■ Situations in which the curve speed reduction function may not operate In situations such as the following, the curve speed reduction function may not operate:

- When the vehicle is being driven around a gentle curve
- When the accelerator pedal is being depressed
- When the vehicle is being driven around an extremely short curve

## ■The Dynamic Radar Cruise Control with Road Sign Assist may not operate properly when (if equipped)

As the Dynamic Radar Cruise Control with Road Sign Assist may not operate properly in conditions in which RSA may not operate or detect correctly ( $\rightarrow$ P. 345), when using this function, make sure to check the speed limit sign displayed.

In the following situations, the set speed may not be changed to the recognized speed limit by pressing and holding the "+ RES"/"- SET" switch.

- If speed limit information is not available
- When the recognized speed limit is the same as the set speed
- When the recognized speed limit is outside of the speed range that the dynamic radar cruise control system can operate

#### ■ Brake operation

A brake operation sound may be heard and the brake pedal response may change, but these are not malfunctions.

## ■Warning messages and buzzers for dynamic radar cruise control with full-speed range

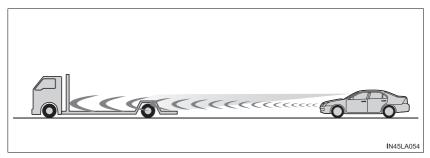
Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution while driving. If a warning message is shown on the multi-information display, read the message and follow the instructions. ( $\rightarrow$ P. 305, 597)

#### ■When the sensor may not be correctly detecting the vehicle ahead

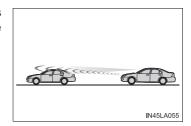
In the case of the following and depending on the conditions, operate the brake pedal when deceleration of the system is insufficient or operate the accelerator pedal when acceleration is required.

As the sensor may not be able to correctly detect these types of vehicles, the approach warning ( $\rightarrow$ P. 355) may not be activated.

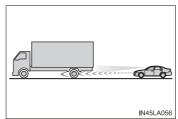
- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board, etc.)



- Motorcycles traveling in the same lane
- When water or snow thrown up by the surrounding vehicles hinders the detecting of the sensor
- When your vehicle is pointing upwards (caused by a heavy load in the luggage compartment, etc.)



Preceding vehicle has an extremely high ground clearance

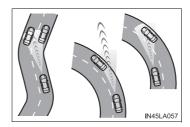


## ■Conditions under which the vehicle-to-vehicle distance control mode may not function correctly

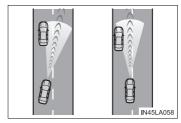
In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

As the sensor may not be able to correctly detect vehicles ahead, the system may not operate properly.

When the road curves or when the lanes are narrow



 When steering wheel operation or your position in the lane is unstable



- When the vehicle ahead of you decelerates suddenly
- When driving on a road surrounded by a structure, such as in a tunnel or on a bridge

## ■ Situations in which the curve speed reduction function may not operate properly

In situations such as the following, the curve speed reduction function may not operate properly:

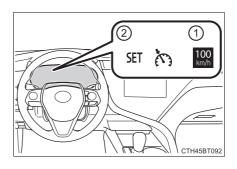
- When the vehicle is being driven around a curve on an incline/decline
- When the course of the vehicle differs from the shape of the curve
- When the vehicle speed is excessively high when entering a curve
- When the steering wheel is suddenly operated

Use the cruise control to maintain a set speed without depressing the accelerator pedal.

#### System Components

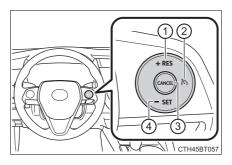
#### ■ Meter display

- 1) Set speed
- (2) Indicators



#### ■ Operation switches

- (1) "+ RES" switch
- (2) Cruise control main switch
- (3) Cancel switch
- 4 "- SET" switch



Driving

\*: If equipped

#### Setting the vehicle speed

1 Press the cruise control main switch to activate the cruise control.

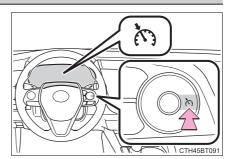
Cruise control indicator will be displayed.

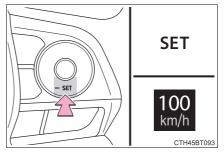
Press the switch again to deactivate the cruise control.

2 Accelerate or decelerate the vehicle to the desired speed, and press the "- SET" switch to set the speed.

Cruise control "SET" indicator will be displayed.

The vehicle speed at the moment the switch is released becomes the set speed.

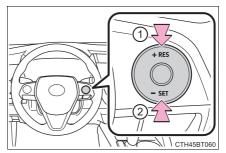




To change the set speed, operate the "+ RES" or "- SET" switch until the desired set speed is obtained.

- (1) Increases the speed
- (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.



The set speed will be increased or decreased as follows:

Fine adjustment: By approximately 1 km/h (0.6 mph) each time the switch is operated  $\,$ 

Large adjustment: The set speed can be increased or decreased continually until the switch is released.

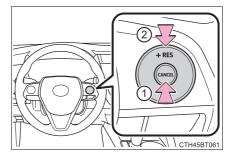
#### Canceling and resuming the constant speed control

1) Pressing the cancel switch cancels the constant speed control.

The speed setting is also canceled when the brakes are applied.

2 Pressing the "+ RES" switch resumes the constant speed control.

Resuming is available when the vehicle speed is more than approximately 30 km/h (20 mph).



4

Driving

#### ■ Cruise control can be set when

- The shift lever is in D or range 4 or higher of S has been selected.
- Vehicle speed is above approximately 30 km/h (20 mph).

#### ■ Accelerating after setting the vehicle speed

- The vehicle can be accelerated normally. After acceleration, the set speed resumes.
- Even without canceling the cruise control, the set speed can be increased by first accelerating the vehicle to the desired speed and then pressing the "- SET" switch to set the new speed.

#### ■ Automatic cruise control cancelation

Cruise control will stop maintaining the vehicle speed in any of the following situations.

- Actual vehicle speed falls more than approximately 16 km/h (10 mph) below the preset vehicle speed.
  - At this time, the memorized set speed is not retained.
- Actual vehicle speed is below approximately 30 km/h (20 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.

#### If the warning message for the cruise control is shown on the multiinformation display

Press the cruise control main switch once to deactivate the system, and then press the button again to reactivate the system.

If the cruise control speed cannot be set or if the cruise control cancels immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by your Toyota dealer.

#### **MARNING**

#### ■ To avoid operating the cruise control by mistake

Switch the cruise control off using the cruise control main switch when not in

#### ■ Situations unsuitable for cruise control

Do not use cruise control in any of the following situations. Doing so may result in loss of control and could cause an accident resulting in death or serious injury.

- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep hills Vehicle speed may exceed the set speed when driving down a steep hill.
- During emergency towing

#### **Driving 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.

#### **◆** ABS (Anti-lock Brake System)

Helps to prevent wheel lock when the brakes are applied suddenly, or if the brakes are applied while driving on a slippery road surface

#### ◆ Brake assist

Generates an increased level of braking force after the brake pedal is depressed when the system detects a panic stop situation

#### VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces.

Provides cooperative control of the ABS, TRC, VSC and EPS.

Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

#### Secondary Collision Brake (if equipped)

When the airbag sensor detects a collision and the system operates, the brakes and stop 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

#### Emergency brake signal

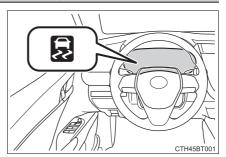
When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehicle behind.

#### **◆** BSM (Blind Spot Monitor) (if equipped)

→P. 376

#### When the TRC/VSC systems are operating

The slip indicator light will flash while the TRC/VSC systems are operating.



4

Driving

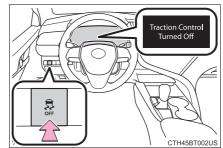
#### Disabling the TRC system

If the vehicle gets stuck in mud, dirt or snow, the TRC system may reduce power from the engine to the wheels. Pressing \_\_\_\_\_ to turn the system off may make it easier for you to rock the vehicle in order to free it.

To turn the TRC system off, quickly press and release .

The "Traction Control Turned Off" will be shown on the multi-information display.

Press again to turn the system back on.



To turn the TRC and VSC systems off, press and hold [3] 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.

#### ■When the message is displayed on the multi-information display show-

#### ing that TRC has been disabled even if | a | has not been pressed

TRC is temporary deactivated. If the information continues to show, contact your Toyota dealer.

#### ■ Operating conditions of hill-start assist control

When the following four conditions are met, the hill-start assist control will operate:

- The shift 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

4

Driving

<sup>\*:</sup> On vehicles with PCS (Pre-Collision System), PCS will also be disabled (only Pre-Collision warning is available). The PCS warning light will come on and the message will be shown on the multi-information display. (→P. 324)

## ■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 engine 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.
  - The brake pedal may pulsate slightly after the ABS is activated.
  - The brake pedal may move down slightly after the ABS is activated.

#### ■ 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 engine 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 system operates when the SRS airbag sensor detects a collision while the vehicle is in motion.

However, the system does not operate in any of the following situations.

- The vehicle speed is below 10 km/h (6 mph)
- Components are damaged

#### ■ 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 engine off. The EPS system should return to normal within 10 minutes.

#### ■ Operating conditions of emergency brake signal

When the following three 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 brake pedal is depressed in a manner that cause the system to judge from the vehicle deceleration that this is a sudden braking operation

#### ■ Automatic system cancelation of emergency brake signal

The emergency brake signal will turn off in any of the following situations:

- The emergency flashers are turned on
- The brake pedal is released
- The system judges from the vehicle deceleration that is not a sudden braking operation

4

Driving

#### **MARNING**

#### ■ 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

#### ■ 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/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 solely upon the Secondary Collision Brake. This system is designed to help reduce the possibility of further damage due to a secondary collision, however, that effect changes according to various conditions. Overly relying on the system may result in death or serious injury.

#### **MARNING**

#### ■ Replacing tires

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.

The ABS, TRC and VSC systems will not function correctly if different tires are installed on the vehicle.

Contact your Toyota dealer for further information when replacing tires or wheels.

#### ■ Handling of tires and the suspension

Using tires with any kind of problem or modifying the suspension will affect the driving assist systems, and may cause a system to malfunction.

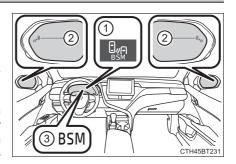
## BSM (Blind Spot Monitor)\*1, 2

The Blind Spot Monitor is a system that uses rear side radar sensors installed on the inner side of the rear bumper on the left and right side to assist the driver in confirming safety when changing lanes.

#### System components

- Multi-information display
   Turning the BSM function on/off.
   (→P. 377)
- ② Outside rear view mirror indicators

When a vehicle is detected in a blind spot of the outside rear view mirrors or approaching rapidly from behind into a blind spot, the outside rear view mirror indicator on the detected side will illuminate. If the turn signal lever is operated toward the detected side, the outside rear view mirror indicator flashes.



(3) "BSM" indicator

When the BSM function is turned on, the indicator illuminates.

\*1: If equipped

\*2: For Russia, Kazakhstan, Kyrgyzstan and Armenia

- 1 Press ∧/ ∨ of the meter control switches, select
- 3 Press of the meter control switch.
  - Each time (a) is pressed, the function changes on/off.

#### Setting the outside rear view mirror indicator brightness

The brightness of the indicators on the outside rear view mirrors can be changed on  $(\rightarrow P. 141, 156)$  of the multi-information display.

#### ■ The outside rear view mirror indicators visibility

When under strong sunlight, the outside rear view mirror indicator may be difficult to see.

■When "Blind Spot Monitor Unavailable" is shown on the multi-information display

Ice, snow, mud, etc., may be attached to the rear bumper around the sensors.  $(\rightarrow P. 378)$ 

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.

4

Driving

#### ■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

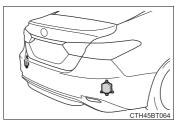
#### **MARNING**

#### 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.

• 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 your Toyota dealer



Do not subject a sensor or its surrounding area on the rear bumper to a strong impact.

If a sensor is moved even slightly off position, the system may malfunction and vehicles may not be detected correctly.

In the following situations, have your vehicle inspected by your Toyota dealer.

- · A sensor or its surrounding area is subject to a strong impact.
- If the surrounding area of a sensor is scratched or dented, or part of them has become disconnected.
- Do not disassemble the sensor.
- Do not attach accessories or stickers to the sensor or surrounding area on the bumper.
- Do not modify the sensor or surrounding area on the bumper.
- Do not paint the rear bumper any color other than an official Toyota color.

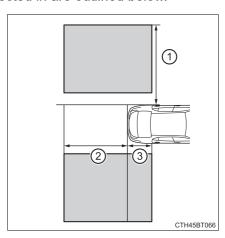
The BSM function uses radar sensors to detect vehicles that are traveling in an adjacent lane in the area that is usually not reflected in the outside rear view mirror (the blind spot), and advises the driver of the vehicles existence via the outside rear view mirror indicator.

#### **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



4

Driving

#### **▲** 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

#### ■ 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

4

Drivina

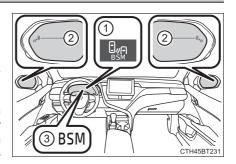
## BSM (Blind Spot Monitor)\*1, 2

The Blind Spot Monitor is a system that uses rear side radar sensors installed on the inner side of the rear bumper on the left and right side to assist the driver in confirming safety when changing lanes.

#### System components

- Multi-information display Turning the BSM function on/off. (→P. 377)
- ② Outside rear view mirror indicators

When a vehicle is detected in a blind spot of the outside rear view mirrors or approaching rapidly from behind into a blind spot, the outside rear view mirror indicator on the detected side will illuminate. If the turn signal lever is operated toward the detected side, the outside rear view mirror indicator flashes.



(3) "BSM" indicator

When the BSM function is turned on, the indicator illuminates.

\*1: If equipped

\*2: Except for Russia, Kazakhstan, Kyrgyzstan and Armenia

	Vehic	es	with 4	4.2-II	nch	mul	tı-ın	torm	atio	n c	lıspi	ay
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- 1 Press 
  of the meter control switches, select
- 2 Press ∧ / ∨ of the meter control switches, select 🤬 .
- 3 Press of the meter control switch.
  - Each time (x) is pressed, the function changes on/off.
- ▶ Vehicles with 7-inch multi-information display
- 1 Press ∧/∨ of the meter control switches, select ...
- 2 Press 

   of the meter control switches, select 
   of the meter control switches 
   of the meter control switc
- 3 Press of the meter control switch.

#### Setting the outside rear view mirror indicator brightness

The brightness of the indicators on the outside rear view mirrors can be changed on (4.2-inch display) or (7-inch display) (→P. 141, 156) of the multi-information display.

#### ■ The outside rear view mirror indicators visibility

When under strong sunlight, the outside rear view mirror indicator may be difficult to see.

## ■When "Blind Spot Monitor Unavailable" is shown on the multi-information display

Ice, snow, mud, etc., may be attached to the rear bumper around the sensors.  $(\rightarrow P. 378)$ 

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

4

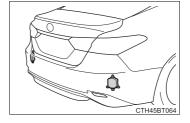
Driving

#### **MARNING**

#### ■ 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.

• 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 (→P. 378) will be displayed.



In this situation, clear off the dirt or snow and drive the vehicle with the operation conditions of the BSM function ( $\rightarrow$ P. 386) satisfied for approximately 10 minutes.

If the warning message does not disappear, have the vehicle inspected by your Toyota dealer

Do not subject a sensor or its surrounding area on the rear bumper to a strong impact.

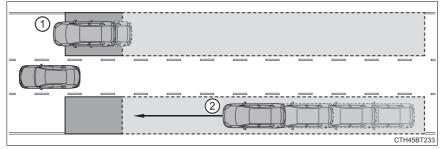
If a sensor is moved even slightly off position, the system may malfunction and vehicles may not be detected correctly.

In the following situations, have your vehicle inspected by your Toyota dealer.

- · A sensor or its surrounding area is subject to a strong impact.
- If the surrounding area of a sensor is scratched or dented, or part of them has become disconnected.
- Do not disassemble the sensor.
- Do not attach accessories 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

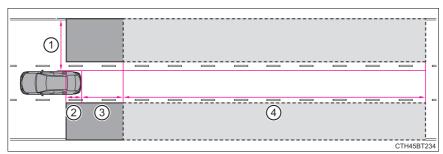
The BSM function uses radar sensors to detect the following vehicles traveling in an adjacent lane in the area that is usually not reflected in the outside rear view mirror (the blind spot), and advises the driver of the presence of such vehicles via the indicators on the outside rear view mirrors.



- 1 Vehicles that are traveling in areas that are not visible using the outside rear view mirrors (the blind spots)
- ② Vehicles that are approaching rapidly from behind in areas that are not visible using the outside rear view mirrors (the blind spots)

#### 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 0.5 m (1.6 ft.) to 3.5 m (11.5 ft.) from either side of the vehicle
  - The area between the side of the vehicle and 0.5 m (1.6 ft.) from the side of the vehicle cannot be detected
- 2 Approximately 1 m (3.3 ft.) forward of the rear bumper
- (3) Approximately 3 m (9.8 ft.) from the rear bumper

4 Approximately 3 m (9.8 ft.) to 60 m (197 ft.) from the rear bumper. The greater the difference in speed between your vehicle and the detected vehicle is, the farther away the vehicle will be detected, causing the outside rear view mirror indicator to illuminate or flash.

#### **MARNING**

#### ■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.
- Your vehicle overtakes a vehicle in an adjacent lane slowly.
- Another vehicle enters the detection area when it changes lanes.

#### ■ Conditions under which the BSM function will not detect a vehicle

The BSM function is not designed to detect the following types of vehicles and/or objects:

- Small motorcycles, bicycles, pedestrians, etc.\*
- Vehicles traveling in the opposite direction
- Guardrails, walls, signs, parked vehicles and similar stationary objects
- Following vehicles that are in the same lane\*
- Vehicles driving 2 lanes across from your vehicle\*
- Vehicles which are being overtaken rapidly by your vehicle
- \*: Depending on the conditions, detection of a vehicle and/or object may occur.

#### ■ Conditions under which the BSM function may not function correctly

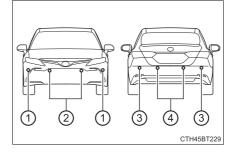
- The BSM function may not detect vehicles correctly in the following conditions:
  - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
  - When driving on a road surface that is wet with standing water during bad weather, such as heavy rain, snow, or fog
  - When mud, snow, ice, a sticker, etc. is covering the sensor or surrounding area on the rear bumper
  - 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 are approaching with only a small gap between each vehicle
  - When vehicle lanes are wide, or when driving on the edge of a lane, and the vehicle in an adjacent lane is far away from your vehicle
  - When 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 the distance between your vehicle and a guardrail, wall, etc. that enters the detection area is short
  - When there is only a short distance between your vehicle and a following vehicle
  - When vehicle lanes are narrow, or when driving on the edge of a lane, and a vehicle traveling in a lane other than the adjacent lanes enters the detection area
  - When items such as a bicycle carrier are installed on the rear of the vehicle.
  - When driving up and down consecutive steep inclines, such as hills, dips on the road, etc.
  - When driving on roads with sharp bends, consecutive curves, or uneven surfaces

#### Toyota parking assist-sensor\*

The distance from your vehicle to nearby objects when parallel parking or maneuvering into a garage is measured by the sensors and communicated via the multi-information display 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

- ▶ Vehicles with 4.2-inch multi-information display
- 1 Press 

   of the meter control switches, select
- 2 Press ∧/ ∨ of the meter control switches, select №.
- 3 Press of the meter control switch.

When the Toyota parking assist-sensor function is disabled, the Toyota parking assist-sensor OFF indicator (→P. 127) illuminates.

To re-enable the system, select on the multi-information display, select and turn it on.

If the system is disabled, it will remain off even if the engine switch is turned to IGNITION ON mode after the engine switch has been turned off.

\*: If equipped

- 1 Press ∧/ ∨ of the meter control switches, select .
- 2 Press 

   of the meter control switches, select
   of the meter control switches.
- 3 Press of the meter control switch.

When the Toyota parking assist-sensor function is disabled, the Toyota parking assist-sensor OFF indicator (→P. 127) illuminates.

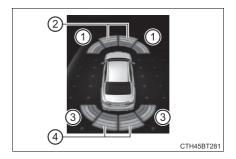
To re-enable the system, select on the multi-information display, select and turn it on.

If the system is disabled, it will remain off even if the engine switch is turned to IGNITION ON mode after the engine switch has been turned off.

#### Display

When the sensors detect an object, the following displays inform the driver of the position and distance to the object.

- (1) Front corner sensor operation
- (2) Front center sensor operation (if equipped)
- (3) Rear corner sensor operation
- (4) Rear center sensor operation (if equipped)



4

Driving

#### ■ Muting the buzzer sound

■ To mute the buzzer sound

The buzzer can be temporarily muted by pressing of the meter control switches while an object 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 exceeds a certain speed.
- When the Toyota parking assist-sensor is turned off once and turned on again
- When the engine switch is turned off once and turned to IGNITION ON mode again
- · When a sensor is malfunctioning

# Sensor detection display, object distance (Vehicles without Parking Support Brake)

#### ■ Distance display

	Approximate distance to object						
Display		Rear center sensor (if equipped)	Front and rear corner sensor				
	Far <b>∧</b>	150 cm (4.9 ft.) to 60 cm (2.0 ft.)	_				
		60 cm (2.0 ft.) to 45 cm (1.5 ft.)	Front corner sensor: 50 cm (1.6 ft.) to 42.5 cm (1.4 ft.) Rear corner sensor: 60 cm (2.0 ft.) to 45 cm (1.5 ft.)				
		45 cm (1.5 ft.) to 35 cm (1.2 ft.)	Front corner sensor: 42.5 cm (1.4 ft.) to 35 cm (1.2 ft.) Rear corner sensor: 45 cm (1.5 ft.) to 35 cm (1.2 ft.)				
		35 cm (1.2 ft.) to 28 cm (0.9 ft.)	35 cm (1.2 ft.) to 28 cm (0.9 ft.)				
	<b>V</b> Near	Less than 28 cm (0.9 ft.)	Less than 28 cm (0.9 ft.)				

#### ■ Buzzer operation and distance to an object

A buzzer sounds when the sensors are operating.

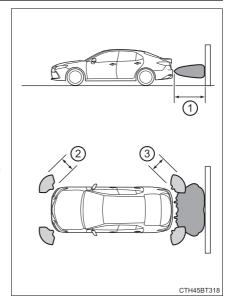
- The buzzer sounds faster as the vehicle approaches an object. When the vehicle comes within the following distance of the object, the buzzer sounds continuously: Approximately 35 cm (1.2 ft.).
- When 2 or more objects are detected simultaneously, the buzzer system responds to the nearest object. If one or both come within the above distances, the beep will repeat a long tone, followed by fast beeps.

## Detection range of the sensors (Vehicles without Parking Support Brake)

- 1 Approximately 150 cm (4.9 ft.) (if equipped)
- (2) Approximately 50 cm (1.6 ft.)
- (3) Approximately 60 cm (2.0 ft.)

The diagram shows the detection range of the sensors. Note that the sensors cannot detect objects that are extremely close to the vehicle.

The range of the sensors may change depending on the shape of the object, etc.



4

Driving

# Sensor detection display, object distance (Vehicles with Parking Support Brake)

#### **■** Distance display

	Approximate distance to object						
Display		Front and rear center sensor	Front and rear corner sensor				
	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.)	_				
		60 cm (2.0 ft.) to 45 cm (1.5 ft.)	60 cm (2.0 ft.) to 45 cm (1.5 ft.)				
		45 cm (1.5 ft.) to 30 cm (1.0 ft.)	45 cm (1.5 ft.) to 30 cm (1.0 ft.)				
		30 cm (1.0 ft.) to 15 cm (0.5 ft.)	30 cm (1.0 ft.) to 15 cm (0.5 ft.)				
	<b>V</b> Near	Less than 15 cm (0.5 ft.)	Less than 15 cm (0.5 ft.)				

#### ■ Buzzer operation and distance to an object

A buzzer sounds when the sensors are operating.

- The buzzer sounds faster as the vehicle approaches an object. When the vehicle comes within the following distance of the object, the buzzer sounds continuously: Approximately 30 cm (1.0 ft).
- When 2 or more objects are detected simultaneously, the buzzer system responds to the nearest object. If one or both come within the above distances, the beep will repeat a long tone, followed by fast beeps.
- Automatic buzzer mute function
   After a buzzer begins sounding, if the distance between the vehicle and the detected object does not become shorter, the buzzer will be muted automatically.

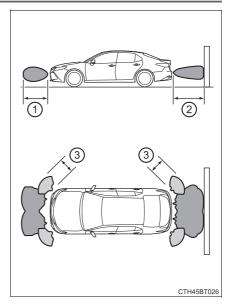
(However, if the distance between the vehicle and object is 30 cm (1.0 ft.) or less, this function will not operate.)

## **Detection range of the sensors (Vehicles with Parking Support Brake)**

- 1) Approximately 100 cm (3.3 ft.)
- (2) Approximately 150 cm (4.9 ft.)
- (3) Approximately 60 cm (2.0 ft.)

The diagram shows the detection range of the sensors. Note that the sensors cannot detect objects that are extremely close to the vehicle.

The range of the sensors may change depending on the shape of the object, etc.



#### Changing the buzzer sounds volume

The buzzer volume can be changed on the multi-information display  $(\rightarrow P. 141, 157)$  when the engine switch is in IGNITION ON mode.

#### ■ The Toyota parking assist-sensor can be operated when

- The engine switch is in IGNITION ON mode.
- Toyota parking assist-sensor function is on.
- The vehicle speed is less than about 10 km/h (6 mph).
- The shift lever is in other than P.

#### ■ Sensor detection information

- The sensor's detection areas are limited to the areas around the vehicle's bumper.
- Depending on the shape of the object and other factors, the detection distance may shorten, or detection may be impossible.
- Objects may not be detected if they are too close to the sensor.
- There will be a short delay between object detection and display. Even at slow speeds, there is a possibility that the object will come within the sensor's detection areas before the display is shown and the buzzer sounds.
- 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 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 object may not be detected. If the sensor thaws out, the system should return to normal.

### ■If "Parking Assist Unavailable" is displayed on the multi-information display

Water may be continuously flowing over the sensor surface, such as in a heavy rain. When the system determines that it is normal, the system will return to normal.

## **MARNING**

#### ■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.
- The area directly under the bumpers is not detected. Thin posts or objects lower than the sensor may not be detected when approached, even if they have been detected before.

### **MARNING**

#### Sensors

Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect an object. 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 objects 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, wireless antenna or fog lights.
- 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 objects 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**

#### Objects which may not be properly detected

The shape of the object may prevent a sensor from detecting it. Pay particular attention to the following objects:

- Wires, fences, ropes, etc.
- Cotton, snow and other materials that absorb sound waves
- Sharply-angled objects
- Low objects
- Tall objects with upper sections projecting outwards in the direction of your vehicle
- People may not be detected if they are wearing certain types of clothing.

#### ■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 your Toyota dealer.

- The Toyota parking assist-sensor operation display flashes, and a buzzer sounds when no objects are detected.
- If the area around a sensor collides with something, or is subjected to strong impact.
- If the bumper 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.

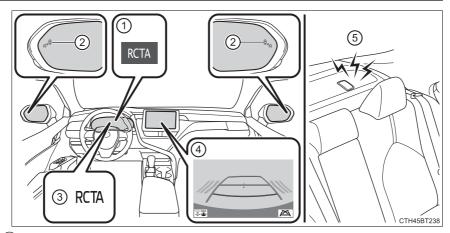
Doing so may result in the sensor malfunctioning.

- 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.
- When using an automatic car wash, disable the Toyota parking assist-sen-

# RCTA (Rear Cross Traffic Alert)\*

The RCTA function uses the BSM rear side radar sensors installed behind the rear bumper. This function is intended to assist the driver in checking areas that are not easily visible when backing up.

#### System components



1 Multi-information display

Turning the RCTA function on/off. (→P. 399)

(2) Outside rear view mirror indicators

When a vehicle approaching from the right or left rear of the vehicle is detected, the outside rear view mirror indicators flash.

(3) "RCTA" indicator

When the RCTA function is turned on, the indicator illuminates.

(4) Audio system screen

If a vehicle approaching from the right or left at the rear of the vehicle is detected, the RCTA icon ( $\rightarrow$ P. 400) for the detected side will be displayed. This illustration shows an example of a vehicle approaching from both sides of the vehicle.

(5) RCTA buzzer

When a vehicle approaching from the right or left rear of the vehicle is detected, a buzzer sounds from behind the rear seat.

\*: If equipped

•	Vehicles	with 4	1.2-inch	multi-ir	nformati	on d	display	,
_								

- 1 Press < / > of the meter control switches, select
- Press ∧/ ∨ of the meter control switches, select RCTA.
- 3 Press of the meter control switch.

Each time (x) is pressed, the function changes on/off.

▶ Vehicles with 7-inch multi-information display

- 1 Press ∧/ ∨ of the meter control switches, select
- 2 Press 
  7 > of the meter control switches, select RCTA.
- 3 Press of the meter control switch.

### Setting the buzzer volume

The volume of the RCTA buzzer can be changed on  $\bigcirc$  (4.2-inch display) or  $\bigcirc$  (7-inch display) ( $\rightarrow$ P. 141, 156) of the multi-information display.

#### ■ 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.

#### ■ Muting the buzzer sound

The buzzer can be temporarily muted by pressing of the meter control switches while an object detection display is shown on the multi-information display.

# ■When "Rear Cross Traffic Alert Unavailable" is shown on the multi-information display

Ice, snow, mud, etc., may be attached to the rear bumper around the sensors.  $(\rightarrow P. 378)$ 

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.

#### ■ Rear side radar sensors

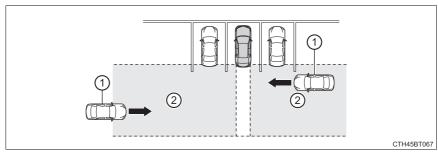
→P. 378

4

Driving

#### 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 (if equipped)

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	Panoramic view monitor	Content
		A vehicle is approaching from the left or right at the rear of the vehicle

### **MARNING**

#### ■ Cautions regarding the use of the system

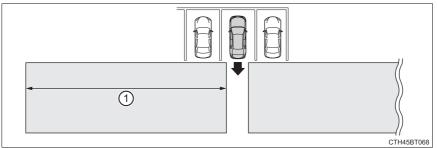
The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

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

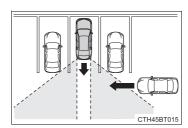
- Vehicles without a smart entry & start system: The engine switch is in the "ON" position.
  - Vehicles with a smart entry & start system: The engine switch is in IGNI-TION ON mode.
- The RCTA function is turned on.
- The shift lever is in R.
- Vehicle speed is approximately 8 km/h (5 mph) or less.
- Approaching vehicle speed is between approximately 8 km/h (5 mph) and 28 km/h (18 mph).

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

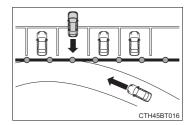
- The RCTA function may not detect vehicles correctly in the following conditions:
  - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
  - · When ice or mud, etc. is attached to the rear bumper
  - During bad weather such as heavy rain, fog, snow, etc.
  - · 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 engine 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 4

Driving

- 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



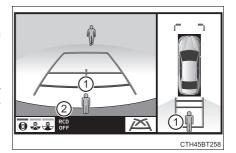
 When the distance between your vehicle and metal objects, such as a guardrail, wall, sign, or parked vehicle, which may reflect electrical waves toward the rear of the vehicle, is short

## Rear Camera Detection Function\*

When the vehicle is backing up, the rear camera detection function can detect pedestrians in the detection area behind the vehicle. If a pedestrian is detected, a buzzer will sound and an icon on the audio system screen will be displayed to inform the driver of the pedestrian.

#### Display

- Pedestrian detection icon
   Displayed automatically when a pedestrian is detected.
- ② RCD OFF icon
  When the RCD function is disabled, the RCD OFF icon illuminates.



4

Driving

#### Turning the rear camera detection function on/off

- 1 Press ∧/ ∨ of the meter control switches, select
- 2 Press 

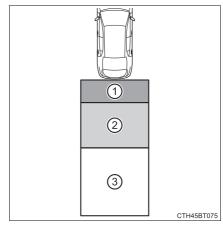
   of the meter control switches, select RCD.
- 3 Press of the meter control switch.

When the RCD function is disabled, the RCD OFF indicator ( $\rightarrow$ P. 127) illuminates.

\*: If equipped

#### When a pedestrian is detected

If the rear camera detection function detects a pedestrian in the detection area, the buzzer and icon will operate as shown in the following table:



	Area	Buzzer	Icon		
	1	Sounds repeatedly			
	2	When the vehicle is stationary: Sounds 3 times When the vehicle is backing up: Sounds repeatedly	Blinks 3 times and then stays or		
-	3	When it is determined that a pedestrian will enter area (1) within a few seconds: Sounds repeatedly	When it is determined that a pedestrian will enter area (1) within a few seconds: Blinks 3 times and then stays on		

### ■ The rear camera detection function is operational when

The rear camera detection function is operational when the following conditions are met:

- The engine switch is in the "ON" position (vehicles without a smart entry & start system) or in IGNITION ON mode (vehicles with a smart entry & start system).
- RCD function is on.
- The shift lever is in R.

#### ■ Setting the buzzer volume

The buzzer volume can be adjusted with the RCTA buzzer volume on the multi-information display. ( $\rightarrow$ P. 141, 156)

#### ■ Muting the buzzer sound

The buzzer can be temporarily muted by pressing of the meter control switches while an object detection display is shown on the multi-information display.

# ■If "Rear Camera Detection Unavailable Remove the Dirt of Rear Camera" is displayed on the multi-information display

A rear camera lens may be dirty or covered with snow or ice. In such cases, if it is removed from the rear camera lens, the system should return to normal. (It may be necessary to drive the vehicle for some time before the system returns to normal.)

# ■If "Rear Camera Detection Unavailable" is displayed on the multi-information display

- If this message is displayed after the battery has been disconnected and reconnected, fully turn the steering wheel to the left and then the right on level ground.
- If this message is displayed only when the R shift position is selected, the rear camera lens may be dirty. Clean the rear camera lens.

#### ■ Situations in which the system may not operate properly

- Some pedestrians, such as the following, may not be detected by the Rear Camera Detection function, preventing the function from operating properly:
  - · Pedestrians who are squatting
  - · Pedestrians who are lying down
  - Pedestrians who are running
  - · Pedestrians who suddenly enter the detection area
  - · Pedestrians riding a bicycle, skateboard, or other light vehicle
  - Pedestrians wearing unusual clothing, such as a costume
  - Pedestrians whose body is partially hidden by a cart or other object
  - · Pedestrians which are obscured by darkness, such as at night
- In some situations, such as the following, pedestrians may not be detected by the Rear Camera Detection function, preventing the function from operating properly:
  - When backing up in inclement weather (rain, snow, fog, etc.)
  - When the rear camera is obscured (dirt, snow, ice, etc. are attached) or scratched
  - When a very bright light, such as the sun, or the headlights of another vehicle, shines directly into the rear camera
  - When backing up in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a garage or underground parking lot

- In some situations, such as the following, the Rear Camera Detection function may operate even though there are no pedestrians in the detection area.
  - When a three dimensional object, such as a pole, traffic cone, fence, or parked vehicle, is detected
  - When a moving object, such as a car or motorcycle is detected
  - When backing up toward moving objects such as flags or puddles, or airborne matter, such as smoke, steam, rain, or snow
  - When there is a pattern on the road, due to the road being made of cobblestone or gravel or having tram rails, traces of repair, white lines, pedestrian crossings or fallen leaves on the surface
  - When backing up on a metal cover (grating), such as those used for drainage ditches
  - When backing up toward the roadside or a bump on the road
  - · When an object is reflected in a puddle or on a wet road surface
  - · When there are shadows on the road
  - · When backing up over a bump on the road
  - If the vehicle is significantly tilted, such as when carrying a heavy load
  - · When backing up toward an incline/decline
  - If the suspension has been modified or tires of a size other than specified are installed
  - · If the rear of the vehicle is raised or lowered due to the carried load
  - If an electronic compartment, such as a backlit license plate or rear fog light, is installed near the rear camera
  - If a bumper protector, such as an additional trim strip, is installed to the rear bumper
  - If the orientation of the rear camera has been changed due to a collision or other impact, or removal and installation
  - If a towing eyelet is installed to the rear of the vehicle
  - When the rear camera is obscured (dirt, snow, ice, etc. are attached) or scratched
  - · When water is flowing over the rear camera lens
  - If there is a flashing light in the detection area, such as the emergency flashers of another vehicle

# ■ Situations in which the Rear Camera Detection function may be difficult to notice

- If buzzer may be difficult to hear if the surrounding area is noisy, the volume of the audio system volume is high, the air conditioning system is being used. etc.
- •If the temperature in the cabin is extremely high or low, the audio system screen may not operate correctly.

The Parking Support Brake system consists of the following functions that operate when driving at a low speed or backing up, such as when parking. When the system determines that the possibility of a collision with a detected object is high, a warning operates to urge the driver to take evasive action. If the system determines that the possibility of a collision with a detected object is extremely high, the brakes are automatically applied to help avoid the collision or help reduce the impact of the collision.

### PKSB (Parking Support Brake) system

■ Parking Support Brake function (static objects)

Ultrasonic sensors are used to detect static objects, such as a wall, in the detection area when driving at a low speed or backing up.  $(\rightarrow P. 416)$ 

■ Parking Support Brake function (rear-crossing vehicles)

Rear radar sensors are used to detect approaching vehicles in the detection area behind the vehicle when backing up. ( $\rightarrow$ P. 425)

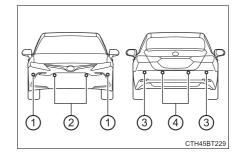
4

Driving

\*: If equipped

### Types of sensors

- 1 Front corner sensors
- (2) Front center sensors
- (3) Rear corner sensors
- (4) Rear center sensors



### Turning the Parking Support Brake on/off

The Parking Support Brake can be enabled/disabled on the multiinformation display. All of the Parking Support Brake functions (static objects and rear-crossing vehicles) are enabled/disabled simultaneously.

Use the meter control switches to enable/disable the parking support brake. ( $\rightarrow$ P. 139, 154)

- 1 Press ∧/ ∨ of the meter control switches, select .
- 3 Press of the meter control switch.
- 4 Select the "Yes" and push

When the Parking Support Brake is disabled, the PKSB 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 engine switch off and then to IGNITION ON mode.

# Displays and buzzers for engine output restriction control and brake control

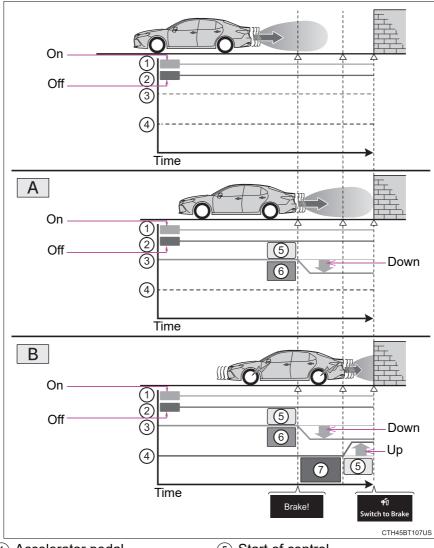
If the engine output restriction control or brake control operates, a buzzer will sound and a message will be displayed on the multi-information display to alert the driver.

Depending on the situation, engine output restriction control will operate to either limit acceleration or restrict output as much as possible.

Control	Situation	Multi-information display	PKSB OFF Indicator	Buzzer
Engine output restriction control is operating (acceleration restriction)	Acceleration greater than a certain amount is not possible.	"Object Detected Acceleration Reduced"	Not illu- minated	No beep
Engine output restriction con- trol is operating (output restricted as much as pos- sible)	Stronger-than- normal brake operation is nec- essary.	"Brake!"	Not illu- minated	Short beep
Brake control is operating	Emergency braking is necessary.			
Vehicle stopped by system opera- tion (When accelera- tor is stepped on)	The vehicle has been stopped by brake control operation.	"Switch to Brake"	Illumi- nated	Short beep
Vehicle stopped by system opera- tion (When accelera- tor is not stepped on)	The vehicle has been stopped by brake control operation.	"Brake"	Illumi- nated	Short beep

### Parking Support Brake function

If the Parking Support Brake detects that a collision with an object is possible, the engine output will be restricted to restrain any increase in the vehicle speed. (Engine 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) Engine output
- 4 Braking force

- (5) Start of control
- (6) High possibility of a collision
- (7) Extremely high possibility of a collision

#### ■ If the Parking Support Brake function has operated

If the vehicle is stopped due to operation of the Parking Support Brake function, the Parking Support Brake system will be disabled and the PKSB OFF indicator will illuminate.

#### ■ Re-enabling the Parking Support Brake system

To re-enable the Parking Support Brake system when it is disabled due to operation of the Parking Support Brake function, either enable the system again ( $\rightarrow$ P. 410), or turn the engine switch off and then back to IGNITION 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.

# ■If "PKSB Unavailable" and "Parking Assist Unavailable Clean Parking Assist Sensor" are displayed on the multi-information display and the PKSB OFF indicator is illuminating

- A sensor may be covered with ice, snow, dirt, etc. In this case, remove the ice, snow, dirt, etc., from the sensor to return the system to normal. If this message is shown even after removing dirt from the sensor, or shown when the sensor was not dirty to begin with, have the vehicle inspected at your Toyota dealer.
- A sensor may be frozen. Once the ice melts, the system will return to normal.
- •Water may be continuously flowing over the sensor surface, such as in a heavy rain. When the system determines that it is normal, the system will return to normal.

### **WARNING**

#### ■ Limitations of the Parking Support Brake system

Do not overly rely on the system, as doing so may lead to an accident.

Always drive while checking the safety of the surroundings of the vehicle.

Depending on the vehicle and road conditions, weather, etc., the system may not operate.

The detection capabilities of sensors and radars are limited. Always drive while checking the safety of the surroundings of the vehicle.

- The driver is solely responsible for safe driving. Always drive carefully, taking care to observe your surroundings. The Parking Support Brake system is designed to provide support to lessen the severity of collisions. However, it may not operate in some situations.
- The Parking Support Brake system is not designed to stop the vehicle completely. Additionally, even if the system has stopped the vehicle, it is necessary to depress the brake pedal immediately as brake control will be canceled after approximately 2 seconds.



#### NOTICE

#### ■If "PKSB Unavailable" is displayed on the multi-information display and the PKSB OFF indicator is illuminating

If this message is displayed immediately after the engine switch is changed to ON, operate the vehicle carefully, paying attention to your surroundings. It may be necessary to drive the vehicle for a certain amount of time before the system returns to normal. (If the system is not return to normal after driving for a while, clean the sensors and their surrounding area on the bumpers.)

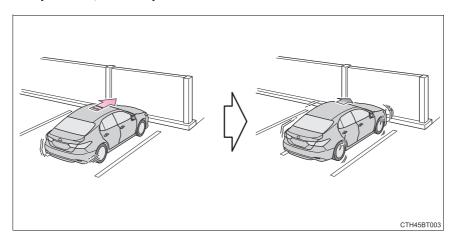
# Parking Support Brake function (static objects)\*

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.

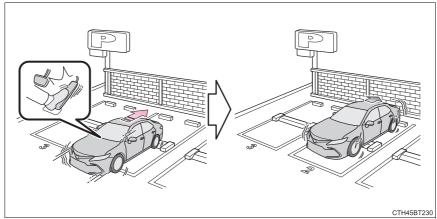
#### **Examples of system operation**

The system will operate in situations such as the following if an object is detected in the traveling direction of the vehicle.

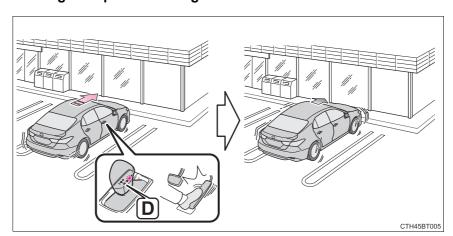
■ When traveling at a low speed and the brake pedal is not depressed, or is depressed late



\*: If equipped



■ When the vehicle moves in the unintended direction due to the wrong shift position being selected



4

Driving

#### ■The Parking Support Brake function (static objects) will operate when

The function will operate when the PKSB OFF indicator is not illuminated  $(\rightarrow P. 410, 414)$  and all of the following conditions are met:

- Engine output restriction control
  - The Parking Support Brake system is enabled.
  - The vehicle speed is approximately 15 km/h (10 mph) or less.
  - There is an object in the traveling direction of the vehicle and approximately 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
  - Engine output restriction control is operating.
  - The system determines that an emergency brake operation is necessary to avoid a collision.

# ■The Parking Support Brake function (static objects) will stop operating when

The function will stop operating if any of the following conditions are met:

- Engine output restriction control
  - The Parking Support Brake system is disabled.
  - The collision becomes avoidable with normal brake operation.
  - The object is no longer approximately 2 to 4 m (6 to 13 ft.) away in the traveling direction of the vehicle.
- Brake control
  - The Parking Support Brake 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 approximately 2 to 4 m (6 to 13 ft.) away in the traveling direction of the vehicle.

#### ■ Detection range of the Parking Support Brake function (static objects)

The detection range of the Parking Support Brake function differs from the detection range of the Toyota parking assist-sensor. ( $\rightarrow$ P. 393)

Therefore, even if the Toyota parking assist-sensor detects an object and provides a warning, the Parking Support Brake function may not start operating.

→P. 414

# Objects that the Parking Support Brake function (static objects) may not detect

The sensors may not be able to detect certain objects, such as the following.

- Pedestrian
- Cotton 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
- Sharply-angled objects
- Tall objects with upper sections projecting outwards in the direction of your vehicle
- Situations in which the Parking Support Brake may not operate properly When the shift lever is in N

#### ■ Toyota parking assist-sensor buzzer

Regardless of whether the Toyota parking assist-sensor system is enabled or not ( $\rightarrow$ P. 388), if the Parking Support Brake system is enabled ( $\rightarrow$ P. 410), 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.

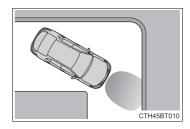
4

Driving

# ■ Situations in which the Parking Support Brake function (static objects) may operate even if there is no possibility of a collision

In some situations such as the following, the Parking Support Brake function 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
- · When strong winds are blowing
- 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

- · If the vehicle is significantly tilted
- If the front of the vehicle is raised or lowered due to the carried load
- If the orientation of a sensor has been changed due to a collision or other impact
- When equipment that may obstruct a sensor is installed, such as a 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 a sensor has been painted or covered with a sticker, etc.

# ■If the Parking Support Brake function (static objects) operates unnecessarily such as at a railroad crossing

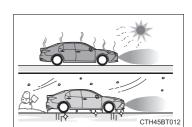
Even in the event that the Parking Support Brake function operates unnecessarily, such as at a railroad crossing, brake control will be canceled after approximately 2 seconds, allowing you to proceed forward and leave the area, Brake control can also be canceled by depressing the brake pedal. Depressing the accelerator pedal again will allow you to proceed forward and leave the area.

# ■ Situations in which the Parking Support Brake function (static objects) may not operate properly

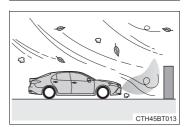
In some situations such as the following, this function may not operate properly.

#### Weather

 When a sensor or the area around a sensor is extremely hot or cold



· When strong winds are blowing



- If a sensor is covered with ice, snow, dirt, etc. (when cleared, the system will return to normal)
- · If heavy rain or water strikes a sensor
- When driving in inclement weather such as fog, snow or a sandstorm

4

Driving

- When the sensor is frozen (Once the sensor thaws, the system will return to normal)
- Vehicle surroundings
  - When an object that cannot be detected is between the vehicle and a detected object
  - If an object such as a vehicle, motorcycle, bicycle or pedestrian cuts in front of the vehicle or runs out from the side of the vehicle.
  - · The vehicle is approaching a tall or curved curb.
  - On an extremely bumpy road, on an incline, on gravel, or on grass.
  - If objects draw too close to the sensor.
- 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
  - When equipment that may obstruct a sensor is installed, such as a 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 a sensor has been painted or covered with a sticker, etc.

### **WARNING**

#### ■To ensure the Parking Support Brake can operate properly

Observe the following precautions regarding the sensors (→P. 410). Failure to do so may cause a sensor to not operate properly, and may cause an accident.

- Do not modify, disassemble or paint the sensors.
- Do not replace a sensor with a part other than a genuine part.
- Do not subject a sensor or its surrounding area to a strong impact.
- Do not damage the sensors, and always keep them clean.
- If the area around a sensor is subjected to an impact, the system may not operate properly due to the sensor being misaligned. Have the vehicle inspected by your Toyota dealer.

#### ■ Handling the suspension

Do not modify the suspension, as changes to the height or inclination of the vehicle may prevent the sensors from detecting objects correctly or cause the system to not operate or operate unnecessarily.

#### ■ If the Parking Support Brake function (static objects) operates unnecessarily, such as at a railroad crossing

In the event that the Parking Support Brake function (static objects) operates unnecessarily, such as at a railroad crossing, brake control will be canceled after approximately 2 seconds, allowing you to proceed forward and leave the area, brake control can also be canceled by depressing the brake pedal. Depressing the accelerator pedal after brake control is canceled will allow you to proceed forward and leave the area.

### **NOTICE**

#### ■ Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area. Doing so may result in the sensor malfunctioning.

- When using a high pressure washer to wash the vehicle, do not spray the sensors directly, as doing so may cause a sensor to malfunction.
- When using steam to clean the vehicle, do not direct steam too close to the sensors as doing so may cause a sensor to malfunction.

#### ■When to disable the Parking Support Brake

In the following situations, disable the Parking Support Brake as the system may operate even though there is no possibility of a collision.

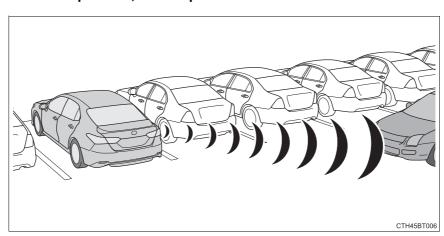
- When inspecting the vehicle using a chassis roller, chassis dynamo or free roller
- When loading the vehicle onto a boat, truck or other transport vessel
- If the suspension has been modified or tires of a size other than specified are installed
- If the front of the vehicle is raised or lowered due to the carried load
- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow
- When using an automatic car wash

If a radar sensor detects a vehicle approaching from the right or left at the rear of the vehicle and the system determines that the possibility of a collision is high, this function will perform brake control to reduce the likelihood of an impact with the approaching vehicle.

### Examples of 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



Orivir

\*: If equipped

# ■The Parking Support Brake function (rear-crossing vehicles) will operate when

The function will operate when the PKSB OFF indicator is not illuminated ( $\rightarrow$ P. 410, 414) and all of the following conditions are met:

- Engine output restriction control
  - · The Parking Support Brake is enabled.
  - The vehicle speed is approximately 15 km/h (9 mph) or less.
  - Vehicles which are approaching from the right or left at the rear of the vehicle at a traveling speed of approximately 8 km/h (5 mph) or more.
  - · The shift 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
  - Engine output restriction control is operating.
  - The system determines that an emergency brake operation is necessary to avoid a collision with an approaching vehicle.

# ■The Parking Support Brake function (rear-crossing vehicles) will stop operating when

The function will stop operating if any of the following conditions are met:

- Engine output restriction control
  - The Parking Support Brake is disabled.
  - The collision becomes avoidable with normal brake operation.
  - A vehicle is no longer approaching from the right or left at the rear of the vehicle.
- Brake control
  - The Parking Support Brake is disabled.
  - Approximately 2 seconds 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 Parking Support Brake function (rear-crossing vehicles)

The detection area of the Parking Support Brake function (rear-crossing vehicles) differs from the detection area of the RCTA function ( $\rightarrow$ P. 398).

Therefore, even if the RCTA function detects a vehicle and provides an alert, the Parking Support Brake function (rear-crossing vehicles) may not start operating.

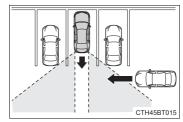
To re-enable the Parking Support Brake function (rear-crossing vehicles) when it is disabled while it is operating, either enable the Parking Support Brake system again ( $\rightarrow$ P. 410), or turn the engine switch off and then back to IGNITION ON mode. When the function is disabled, the PKSB OFF indicator will illuminate. ( $\rightarrow$ P. 127)

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 PKSB OFF indicator will turn off.

# ■ Conditions under which the Parking Support Brake function (rear-crossing vehicles) will not detect a vehicle

The Parking Support Brake function (rear-crossing vehicles) is not designed to detect the following types of vehicles and/or objects:

- Vehicles approaching from directly behind
- Vehicles backing up in a parking space next to your vehicle
- Vehicles that the sensors cannot detect due to obstructions
- Vehicles which suddenly accelerate or decelerate near your vehicle



- Guardrails, walls, signs, parked vehicles and similar stationary objects\*
- Small motorcycles, bicycles, pedestrians, etc.\*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle\*
- Objects which are extremely close to a radar sensor\*
- Vehicles which are approaching from the right or left at the rear of the vehicle at a traveling speed of less than approximately 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 the conditions, detection of a vehicle and/or object may

#### ■ PKSB buzzer

If the Parking Support Brake is enabled and brake control is performed, a buzzer will sound to notify the driver.

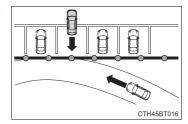
4

Driving

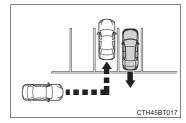
■Situations in which the system may operate even though there is no possibility of a collision

In some situations such as the following, the Parking Support Brake function (rear-crossing vehicles) may operate even though there is no possibility of a collision.

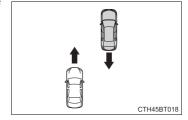
 When the parking space faces a street and vehicles are being driven on the street



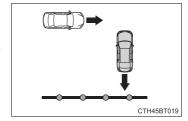
When a detected vehicle turns while approaching the vehicle



When a vehicle passes by the side of your vehicle



• When the distance between your vehicle and metal objects, such as a guardrail, wall, sign, or parked vehicle, which may reflect electrical waves toward the rear of the vehicle, is short

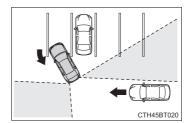


- When there are spinning objects near your vehicle such as the fans of an air conditioning unit
- When water is splashed or sprayed toward the rear bumper, such as from a sprinkler

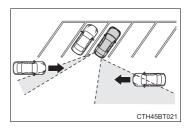
# ■ Situations in which the Parking Support Brake function (rear-crossing vehicles) may not operate properly

In some situations such as the following, this function may not operate properly.

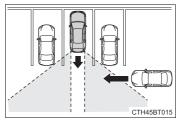
- Objects and vehicles which the radar sensors are not designed to detect
  - · Stationary objects
  - · Vehicles which are moving away from your vehicle
  - · Pedestrians, motorcycles, bicycles, etc.
  - · Objects which are extremely close to a radar sensor
  - Vehicles which are approaching from the 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



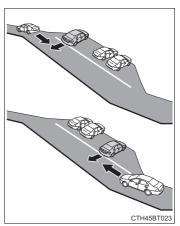
When backing out of a shallow angle parking spot



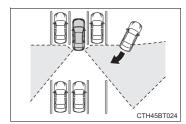
Vehicles that the sensors cannot detect due to obstructions



• 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. 378

## **MARNING**

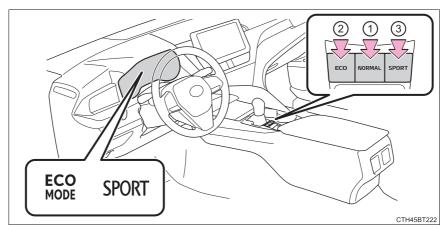
■To ensure the Parking Support Brake function (rear-crossing vehicles) can operate properly

Observe the following precautions regarding the rear radar sensors (→P. 378). Failure to do so may cause a sensor to not operate properly, and may cause an accident.

- Do not modify, disassemble or paint the sensors.
- Do not replace a rear radar sensor with a part other than a genuine part.
- Do not damage the rear radar sensors, and always keep the radar sensors and their surrounding area on the bumper clean.
- If the area around a rear radar sensor is subjected to an impact, the system may not operate properly due to a sensor malfunction. Have the vehicle inspected by your Toyota dealer.
- Observe the rear radar sensor handling precautions. (→P. 378)

# **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.

\*: If equipped

Eco drive mode controls the heating/cooling operations and fan speed of the air conditioning system to enhance fuel efficiency ( $\rightarrow$ P. 442, 447). To improve air conditioning performance, adjust the fan speed or turn off Eco drive mode.

#### ■ Sport mode automatic deactivation

Sport mode is automatically deactivated if the engine switch is turned off after driving in sport mode.

4

Driving

## 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 coolant
  - · Washer fluid
- Have a service technician inspect the condition of the battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the front tires.\*

Ensure that all tires are the same size and brand, and that chains match the size of the tires.

#### Before driving the vehicle

Perform the following according to the driving conditions:

- Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.
- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- Check for and remove any excess ice or snow that may have accumulated on the exterior lights, vehicle's roof, chassis, around the tires or on the brakes.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

<sup>\*:</sup> Tire chains cannot be mounted on vehicles with 18-inch tires.

#### 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 your Toyota dealer immediately.

#### Selecting tire chains

▶ Vehicles with 16 and 17-inch tires

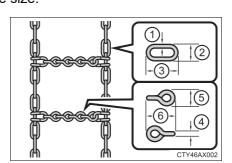
Use the correct tire chain size when mounting the tire chains. Chain size is regulated for each tire size.

#### 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 size specified.
- 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 16 and 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.
- Vehicles with LTA (Lane Tracing Assist) system:
   Do not use LTA (Lane Tracing Assist) system.



Repairing or replacing snow tires (vehicles with a tire pressure warning system)

Request repairs or replacement of snow tires from Toyota dealers or legitimate tire retailers.

This is because the removal and attachment of snow tires affects the operation of the tire pressure warning valve and transmitters.

■ Fitting tire chains (vehicles with a tire pressure warning system and 16 or 17-inch tires)

The tire pressure warning valve and transmitters may not function correctly when tire chains are fitted.

4

Driving

# **Eco-friendly driving tips**

For improved fuel economy and reduced  $CO_2$  emissions, pay attention to the following points:

#### Using Eco drive mode (vehicles with driving mode select switches)

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. 432)

#### ◆ Use of Eco Driving Indicator

The Eco-friendly driving is possible by keeping the bar display of the Eco Driving Indicator shown in the multi-information display and Head-up display within the Zone of Eco driving. (→P. 145, 163, 169)

#### **♦** Accelerator pedal/brake pedal operation

Drive your vehicle smoothly. Avoid abrupt acceleration and deceleration. Gradual acceleration and deceleration will help reduce excessive fuel consumption.

#### When braking

Observe conditions in front of and around the vehicle, and estimate your stopping position. Release the accelerator pedal early and continue coasting. Use the brake pedal to adjust your stopping position. Make sure to operate the brake pedal gently.

#### 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.

#### 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 pedal and gently apply the brakes.

#### Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive fuel consumption.

In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.

In winter: Turn the A/C switch on only when both heating and dehumidifying are needed, and if only heating is needed, turn the A/C switch off. Turning the A/C switch on when unnecessary leads to excessive fuel consumption.

#### Performing idling stops

- Avoid unnecessary idling. Stop the engine when parking the vehicle to reduce excessive fuel consumption, even it is only for a short period of time.
- Except in severe environment, such as when the outside temperature is extremely low, warming up the engine before driving is unnecessary. Rather than idling, it is more efficient to drive the vehicle gently to warm up each part while avoiding increasing the engine revolutions unnecessarily and accelerating or decelerating suddenly.

#### 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.

#### Regular maintenance

- 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 and road conditions.
- Use oil and fluid of the recommended quality, which affect fuel consumption and the life of the vehicle. Also, check oil and fluid periodically. (→P. 503)

# Interior features

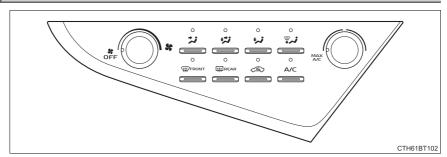
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# Manual air conditioning system<sup>3</sup>

#### Air conditioning controls



#### ■ Adjusting the temperature setting

To adjust the temperature setting, turn clockwise to increase the temperature and counterclockwise to decrease the temperature.

If  $\stackrel{\text{A/C}}{=}$  is not pressed, the system will blow ambient temperature air or heated air.

#### ■ Fan speed setting

To adjust the fan speed, turn \* clockwise to increase the fan speed and counterclockwise to decrease the fan speed.

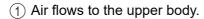
Turning the dial to "OFF" turns off the fan.

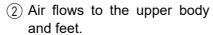
\*: If equipped

#### ■ Change the airflow mode

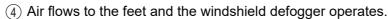
To change the airflow mode,











#### 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.

1 Press FRONT

If the recirculated air mode is used, it will automatically switch to the outside air mode.

- 2 Perform the following operations accordingly:
  - To adjust the fan speed, turn ♣
  - To adjust the temperature setting, turn
  - If the dehumidification function is not operating, press to operate the dehumidification function.

To defog the windshield and the side windows early, turn the air flow and temperature up.

#### ■ Defogging the rear window

A defogger is used to defog the rear window.

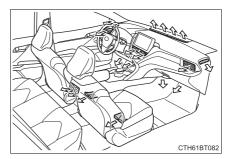


The defogger will automatically turn off after a period of time.

#### Air outlets

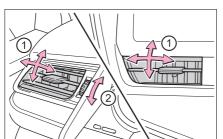
#### ■ Location of air outlets

The air outlets and air volume change according to the selected airflow mode.

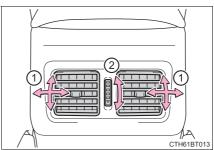


# ■ Adjusting the position of and opening and closing the air outlets

▶ Front



▶ Rear



- 1) Direct air flow to the left or right, up or down.
- (2) Turn the knob to open or close the vent.

#### ■ For quick cooling

Turn to "MAX A/C". The air conditioning will automatically turn on.

will be set for recirculated air mode when 🛪 or 🛪 is selected. It is not possible to turn to the outside air mode.

#### ■ 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 A/C off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

#### ■When driving on dusty roads

Close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake mode be set to outside air mode and the fan speed to any setting except off.

#### ■ Outside/recirculated air mode

- Setting to the recirculated air mode temporarily is recommended in preventing dirty air from entering the vehicle interior and helping to cool the vehicle when the outside air temperature is high.
- Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.

#### ■When the outside temperature is low

The dehumidification function may not operate even when A/C is pressed.

#### ■ Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:
   It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.

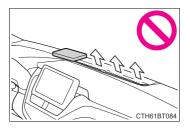
#### ■ Air conditioning filter

→P. 550

## **MARNING**

#### ■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.



#### **NOTICE**

#### ■To prevent battery discharge

Do not leave the air conditioning system on longer than necessary when the engine is stopped.

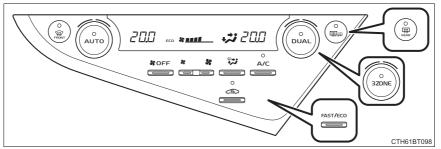
Interior features

# Automatic air conditioning system\*

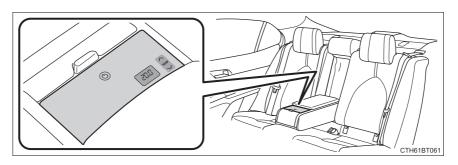
Air outlets and fan speed are automatically adjusted according to the temperature setting.

#### Air conditioning controls

#### ■ Front control panel



#### ■ Rear control panel (if equipped)



\*: If equipped

#### ■ Adjusting the temperature setting

▶ Front control panel

To adjust the temperature setting, turn 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. 486)
- 2 Press (b) 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.

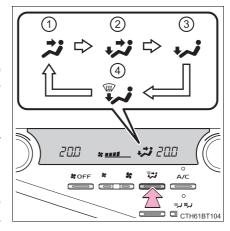
Press \*\* OFF to turn the fan off.

To change the airflow mode,



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



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

#### ■ 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.

5

Interior features

■ 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:



- 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 (SONE)
- Adjust the passenger's side temperature setting.
- Adjust the rear temperature setting.

The indicator comes on when the 3 zone control mode is on.

#### ■ Switching between outside air and recirculated air modes



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.



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

Vehicles without outside rear view mirror defoggers

A defogger is used to defog the rear window.



The defogger will automatically turn off after a period of time.

Vehicles with outside rear view mirror defoggers

Defoggers are used to defog the rear window, and to remove raindrops, dew and frost from the outside rear view mirrors.



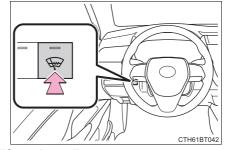
The defoggers will automatically turn off after a period of time.

#### ■ Windshield wiper de-icer (if equipped)

This feature is used to prevent ice from building up on the windshield and wiper blades.

The indicator comes on when the windshield wiper de-icer is on.

The windshield wiper de-icer will automatically turn off after a period of time.

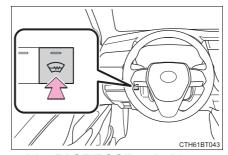


#### ■ Heated Windshield Defroster (if equipped)

This feature is used to prevent ice from building up on the windshield and wiper blades.

Press the switch to turn the system on/off.

The Heated Windshield Defroster will automatically turn off in 4 minutes. The Heated Windshield Defroster will not operate if the outside temperature is 5°C (41°F) or higher.



#### ■ 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



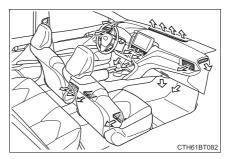
Each time is pressed, the fan speed setting mode changes as follows.

Normal → "ECO"\* → "FAST"\* → Normal

<sup>\*:</sup> Displayed on the front control panel when selected

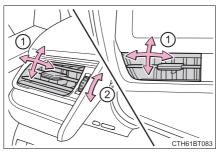
#### ■ Location of air outlets

The air outlets and air volume change according to the selected airflow mode.

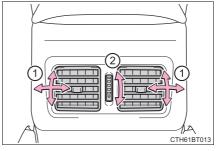


# ■ Adjusting the position of and opening and closing the air outlets

▶ Front



▶ Rear



- 1 Direct air flow to the left or right, up or down.
- (2) Turn the knob to open or close the vent.

5

Interior features

#### 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 (a) is pressed.

#### **■** Fogging up of the windows

- The windows will easily fog up when the humidity in the vehicle is high.
  Turning A/C on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn A/C off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

#### ■When driving on dusty roads

Close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake mode be set to outside air mode and the fan speed to any setting except off.

#### Outside/recirculated air mode

- Setting to the recirculated air mode temporarily is recommended in preventing dirty air from entering the vehicle interior and helping to cool the vehicle when the outside air temperature is high.
- Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.

#### ■When the outside temperature is low

The dehumidification function may not operate even when  $\stackrel{A/C}{=}$  is pressed.

#### ■ If the Heated Windshield Defroster is operated (if equipped)

If the Heated Windshield Defroster is operated, the operation of the rear seat heaters may be suspended in order to reduce the load on the charging system.

#### ■ nanoe<sup>™</sup> \*1 (if equipped)

The air conditioning system adopts nanoe<sup>TM</sup> technology. This helps to fill the cabin with refreshing air by emitting slightly acidic nanoe<sup>TM</sup> 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 (if equipped)

• In the Eco drive mode, "ECO" is displayed on the air conditioning screen and the air conditioning system is controlled as shown below to prioritize fuel efficiency.

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

#### ■ 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.

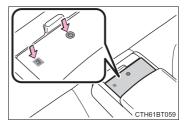
#### ■ Air conditioning filter

→P. 550

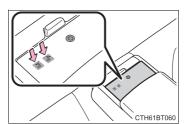
#### ■ Changing the settings of the rear control panel (if equipped)

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 engine switch off.
- ▶ Vehicles without a smart entry & start system
- 2 Turn the engine switch to the "ACC" position. (→P. 254) When the engine switch is in the "ON" position, the settings cannot be changed.
- ▶ Vehicles with a smart entry & start system
- 2 With the brake pedal released, press the engine switch once to change it to ACCESSORY mode. (→P. 257)
  When the engine switch is in IGNITION ON mode, the settings cannot be changed.
- 3 While pressing (b), 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
	<b>J</b> → button	Longest	Flashes 3 times
	2) button	Long	Flashes 4 times
Reaction time	Default setting	Standard	Flashes 5 times
	button	Short	Flashes 6 times
	2) button	Shortest	Flashes 7 times
Switch opera-	button	On	Flashes once
tion sound	<b>J</b> → button	Off	Flashes twice

- 7 To complete customization, perform one of the following:
  - Press (b)
  - Vehicles without a smart entry & start system:
     The engine switch is in the "ON" or "LOCK" position.
     Vehicles with a smart entry & start system:
     Press the engine switch.
  - Wait until the rear control panel turns off automatically (do not touch the panel for 10 seconds or more).

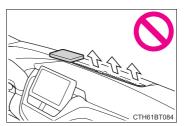
#### **■** Customization

Some functions can be customized. (→P. 679)

#### **MARNING**

#### ■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 (vehicles with outside rear view mirror defoggers)

Do not touch the rear view mirror surfaces when the outside rear view mirror defoggers are on.

#### ■ nanoe™ (if equipped)

Do not disassemble or repair the system because it contains high voltage parts. Contact your Toyota dealer if the system needs repair.



# ■ To prevent battery discharge

Do not leave the air conditioning system on longer than necessary when the engine is stopped.

#### ■ To prevent damage to nanoe™ (if equipped)

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.

# Heated steering wheel\*/seat heaters\*/seat ventilators\*

Heated steering wheel and seat heaters heat the side grips of the steering wheel and seats, respectively. Seat ventilators maintain good ventilation by pulling air through the seat upholstery.

#### WARNING

#### ■To prevent minor burn injuries

Care should be taken to prevent injury if anyone in the following categories comes in contact with the steering wheel and seats when the heater is on:

- Babies, small children, the elderly, the sick and the physically challenged
- Persons with sensitive skin
- Persons who are fatigued
- Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)

#### ■ To prevent damage to the seat heaters

Observe the following precautions to prevent minor burns or overheating:

- Do not cover the seat with a blanket or cushion when using the seat
- Do not use seat heater more than necessary.

#### **NOTICE**

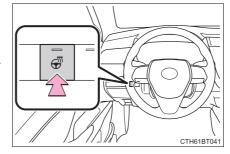
- Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.
- To prevent battery discharge, do not use the functions when the engine is off.

\*: If equipped

#### Heated steering wheel

Turns the heated steering wheel on/off

The indicator light comes on when the heated steering wheel is operating.



With seat ventilators

#### ■ Operation condition

The heated steering wheel can be used when the engine switch is in IGNI-TION ON mode.

#### Front seat heaters

#### Without seat ventilators

# CTH61BT001

Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit)  $\rightarrow$  Mid (2 segments lit)  $\rightarrow$  Lo (1 segment lit)  $\rightarrow$  Off The level indicator (amber) lights up during operation.

#### ■ Operation condition

Vehicles without a smart entry & start system:

The front seat heaters can be used when the engine switch is in the "ON" position.

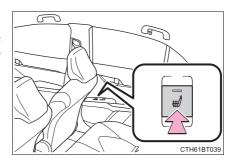
Vehicles with a smart entry & start system:

The front seat heaters can be used when the engine switch is in IGNITION ON mode.

▶ Without a rear control panel

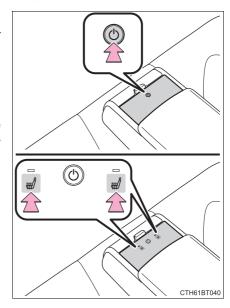
Turns the heated rear seat on/off

The indicator light will illuminate when the rear seat heater is operating.



- ▶ With a rear control panel
- 1 Fold down the rear armrest (→P. 486)
- 2 Press  $\bigcirc$  to turn the rear control panel on.
- 3 Touch button.

The indicator light will illuminate when the rear seat heater is operating.



5

Interior features

Vehicles without a smart entry & start system:

The rear seat heaters can be used when the engine switch is in the "ON" position.

Vehicles with a smart entry & start system:

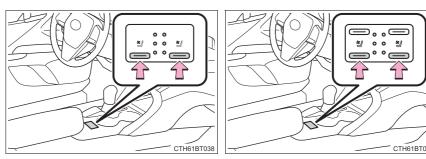
The rear seat heaters can be used when the engine switch is in IGNITION ON mode.

- The rear control panel (if equipped) will turn off if it is not touched for approximately 10 seconds.
- Changing the settings of the rear control panel (if equipped) (→P. 456)
- If the Heated Windshield Defroster is operated while a rear seat heater is operating, the operation of the rear seat heaters may be suspended in order to reduce the load on the charging system. Turn off the Heated Windshield Defroster to enable the rear seat heaters. (→P. 452)

#### **Seat ventilators**

#### ▶ Without front seat heaters

#### ▶ With front seat heaters



Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit)  $\rightarrow$  Mid (2 segments lit)  $\rightarrow$  Lo (1 segment lit)  $\rightarrow$  Off The level indicator (green) lights up during operation.

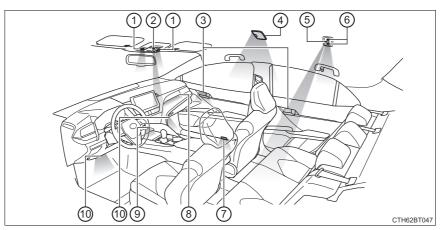
#### **■**Operation condition

The engine switch is in IGNITION ON mode.

#### ■Air conditioning system-linked control mode

When a seat ventilator is set to Hi, the fan speed of the seat ventilator may increase according to the fan speed of the air conditioning system

# Interior lights list



- (1) Front interior/personal lights (→P. 464, 465)
- (2) Shift lever light (if equipped)
- (3) Inside door handle lights (if equipped)
- (4) Rear interior light (if equipped) (→P. 464)
- (5) Rear seat center armrest light (if equipped) (→P. 466)
- (6) Rear personal lights (if equipped) (→P. 465)
- (7) Door courtesy lights (if equipped)
- (8) Instrument panel ornament light (if equipped)
- (9) Front center console light
- 10 Footwell lights (if equipped)

5

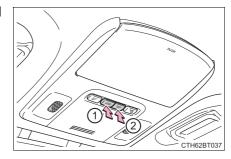
Interior features

# Interior lights

#### **■** Front (if equipped)

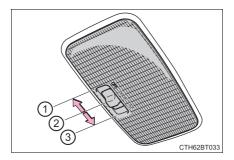
The rear personal lights (if equipped) turn on/off together with the front interior light.

- 1 Turns the lights on/off linked to door positions
- 2 Turns the lights on/off



#### ■ Rear (if equipped)

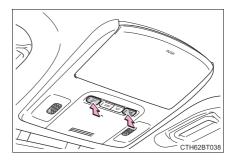
- 1 Turns the light off
- 2 Turns the light on/off linked to door positions
- (3) Turns the light on



# Personal lights

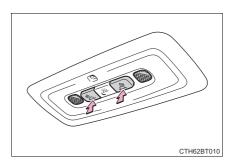
#### **■** Front

Turns the lights on/off



# ■ Rear (if equipped)

Turns the lights on/off

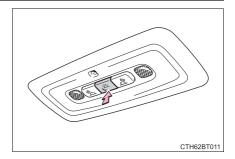


5

Interior features

#### Rear seat center armrest light (if equipped)

Turns the light on/off (when the tail lights are on)



#### ■ Illuminated entry system

Vehicles without a smart entry & start system:

The lights automatically turn on/off according to the engine switch position, whether the doors are locked/unlocked, and whether the doors are open/closed.

Vehicles with a smart entry & start system:

The lights automatically turn on/off according to the engine switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are open/closed.

#### ■ To prevent the battery from being discharged

If the interior lights remain on when the engine switch is turned off, the lights will go off automatically after 20 minutes.

#### ■ The interior lights may turn on automatically when

If any of the SRS airbags deploy (inflate) or in the event of a strong rear impact, the interior lights will turn on automatically.

The interior lights will turn off automatically after approximately 20 minutes.

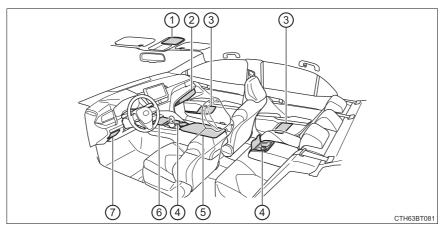
The interior lights can be turned off manually. However, in order to help prevent further collisions, it is recommended that they be left on until safety can be ensured.

(The interior lights may not turn on automatically depending on the force of the impact and conditions of the collision.)

#### ■ Customization

Some functions can be customized. ( $\rightarrow$ P. 680)

## List of storage features



- 1 Auxiliary box (if equipped)
- (5) Console box
- (→P. 468)

- ② Glove box
- (→P. 472) (→P. 468)
- 6 Auxiliary box/open tray(→P. 472, 473)
- ③ Bottle holders/door pockets (→P. 469)
- (7) Coin holder
- (→P. 469)

- (4) Cup holders
- (→P. 470)

### **MARNING**

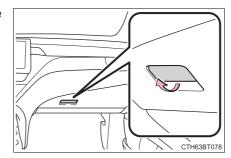
- Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:
  - Glasses may be deformed by heat or cracked if they come into contact with other stored items.
  - Lighters or spray cans may explode. If they come into contact 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

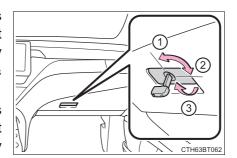
▶ Glove box without a key hole

Pull up the lever to open the glove box.



- ▶ Glove box with a key hole
- 1 Unlock with the key (vehicles without a smart entry & start system) or mechanical key (vehicles with a smart entry & start system)
- 2 Lock with the key (vehicles without a smart entry & start system) or mechanical key (vehicles with a smart entry & start system)
- start system)

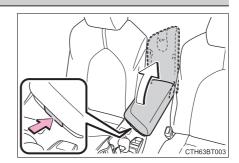
  3 Open (pull lever)



The glove box light turns on when the tail lights are on.

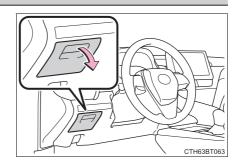
### Console box

Push the knob.



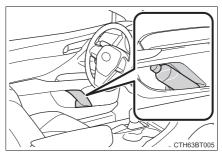
### Coin holder

Pull the lever to open.

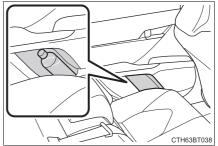


### **Bottle holders**

▶ Front



▶ Rear



- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.



### **MARNING**

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.

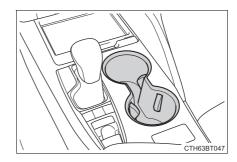


### NOTICE

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

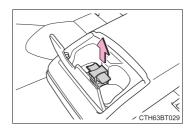
## ▶ Type C



Pull the armrest down and press the button.

The insert for the rear cup holders can be removed for cleaning. (type B)

dent or sudden braking, causing injury.



### **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 acci-

- To prevent burns, cover hot drinks when placed in the cup holders.
- Rear cup holders (except type A): When not in use, keep the cup holders are closed. Injuries may result in the event of an accident or sudden braking.

### 1

### NOTICE

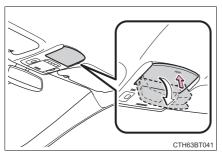
Rear cup holders (type C): To prevent damage to the rear cup holder, stow the cup holder before stowing the armrest.

5

Interior features

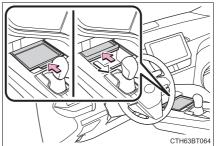
### Auxiliary boxes

### ▶ Type A (if equipped)



Push the lid.

### ▶ Type B



Opening:

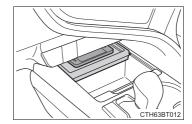
Push the tray forward until it locks.

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**

### ■ Items unsuitable for storing (type A)

Do not store items heavier than 0.2 kg (0.4 lb.).

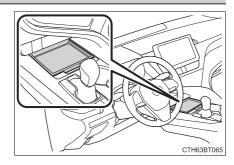
Doing so may cause the auxiliary box to open and the items inside may fall out, resulting in an accident.

### ♠ 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. 480

### **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.

Interior features

## Trunk storage extension\*

Long objects can be loaded in the vehicle by utilizing the trunk space and rear seat area.

1 Pull down the armrest.



2 Open the armrest door.

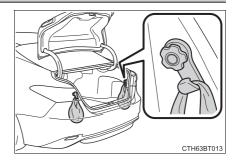




When not in use, ensure that the armrest door is closed. In the event of sudden braking, items stored in the trunk may be thrown forward into the cabin, resulting in injury.

\*: If equipped

### **Grocery bag hooks**



⚠ NO

NOTICE

To prevent damage to the hooks, do not apply too much load to the hooks.

### Warning reflector (if equipped)

The warning reflector is located in the trunk.

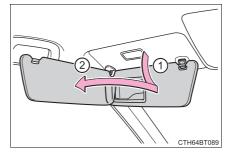
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Interior features

## Other interior features

### Sun visors

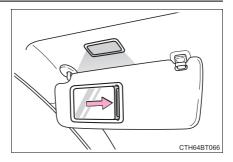
- 1) To set the visor in the forward position, flip it down.
- ② To set the visor in the side position, flip down, unhook, and swing it to the side.



### Vanity mirrors

Slide the cover to open.

The light turns on when the cover is opened.

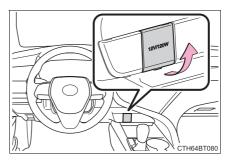


If the vanity lights remain on for 20 minutes while the engine is off, the lights will turn off automatically.

### 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

Vehicles without a smart entry & start system:

The engine switch is in the "ACC" or "ON" position.

Vehicles with a smart entry & start system:

The engine switch is in ACCESSORY or IGNITION ON mode.

### ■When turning the engine switch off

Disconnect electrical devices with charging functions, such as mobile battery packs.

If such devices are left connected, the engine switch may not be turned off normally.



- 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 battery discharge, do not use the power outlet longer than necessary when the engine is not running.

### USB charging ports (if equipped)

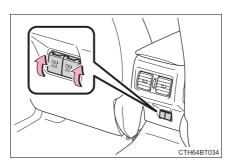
The USB charging ports are used to supply 2.1 A of electricity at 5 V to external devices (power consumption of 10.5 W).

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

Vehicles without a smart entry & start system:

The engine switch is in the "ACC" or "ON" position.

Vehicles with a smart entry & start system:

The engine switch is in ACCESSORY or IGNITION 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.

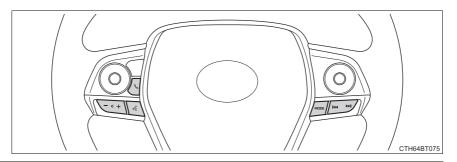
#### ■To prevent battery discharge

Do not use the USB charging ports for a long period of time with the engine stopped.

### Steering wheel audio switches

Some audio features can be controlled using the switches on the steering wheel.

Operation may differ depending on the type of audio system or navigation system. For details, refer to the manual provided with the audio system or navigation system.



### **MARNING**

Exercise care when operating the switches on the steering wheel.

### 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.

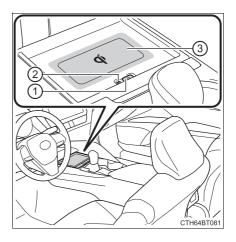
### ■ The "Qi" symbol

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

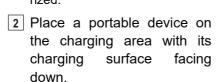


### ■ Using the wireless charger

1 Press the power supply switch of the wireless charger.

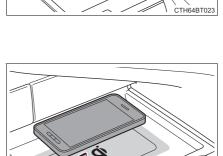
Pressing the switch again turns the wireless charger off.

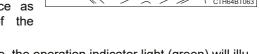
When turned on, the operation indicator light (green) comes on. When the engine switch is turned off, the on/off state of the wireless charger will be memorized.



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	

<sup>\*:</sup> 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 your Toyota dealer.	
Blinks (orange) 3 times	A foreign object exists between the portable device and charging area.	Remove the foreign object.	
repeatedly	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 engine switch is in ACCESSORY or IGNITION 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. 498

### **MARNING**

### ■ 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 your Toyota dealer.

#### ■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 battery discharge

Do not use the wireless charger for a long period of time with the engine stopped.

### Armrest (if equipped)

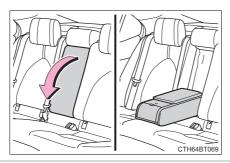
Fold down the armrest for use.

▶ Type A

▶ Type B



▶ Type C



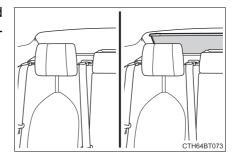


To prevent damage to the armrest, do not apply too much load on the armrest.

Interior features

### Rear sunshade (if equipped)

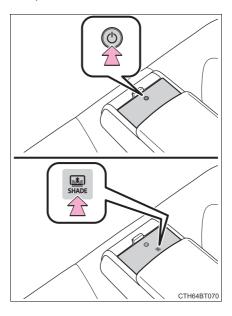
The rear sunshade can be raised and lowered using any of the following.



- ▶ Meter control switches
- 1 Select (4.2-inch display) or (7-inch display) on the multi-information display using the meter control switches on the steering wheel. (→P. 139, 154)
- 2 Select and then press .

  Each time is pressed, the operating direction of the rear sunshade will change.
- ▶ From a rear seat (vehicles with a rear control panel)
- 1 Fold down the rear armrest. (→P. 486)
- 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.



Vehicles without a smart entry & start system:

The rear sunshade can be used when the engine switch is in the "ACC" or "ON" position.

Vehicles with a smart entry & start system:

The rear sunshade can be used when the engine switch is in ACCESSORY or IGNITION ON mode.

- The rear sunshade can be operated for approximately 1 minute even after the engine 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 engine 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 (if equipped) will turn off if it is not touched for approximately 10 seconds.
- Changing the settings of the rear control panel (if equipped) (→P. 456)



### 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.



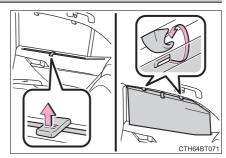
### **NOTICE**

- To prevent battery discharge, do not operate the rear sunshade when the engine 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.

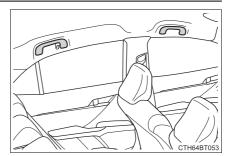
#### NOTICE

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.



### **MARNING**

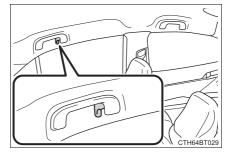
Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

### **NOTICE**

To prevent damage to the assist grip, do not put a heavy load on the assist

### **Coat hooks**

Coat hooks are provided on the rear assist grips.



### **MARNING**

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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	g baibo	

# Cleaning and protecting the vehicle exterior

# Perform the following to protect the vehicle and maintain it in prime condition:

- Working from top to bottom, liberally apply water to the vehicle body, wheel wells and underside of the vehicle to remove any dirt and dust.
- Wash the vehicle body using a sponge or soft cloth, such as a chamois.
- For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- Wipe away any water.
- Wax the vehicle when the waterproof coating deteriorates.
   If water does not bead on a clean surface, apply wax when the vehicle body is cool.

#### ■ Automatic car washes

- Fold the mirrors before washing the vehicle. Start washing from the front of the vehicle. Make sure to extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface, parts (wheel, etc.) and harm your vehicle's paint.
- Vehicles with a rear spoiler: In certain automatic car washes, the rear spoiler may interfere with machine operation. This may prevent the vehicle from being cleaned properly or result in damage to the rear spoiler.

#### ■ 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 (vehicles with a smart entry & start system)

If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:

- Place the key in a position 2 m (6 ft.) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P. 203)

#### ■Wheels and wheel ornaments

- Remove any dirt immediately by using a neutral detergent.
- Wash detergent off with water immediately after use.
- To protect the paint from damage, make sure to observe the following precautions.
  - · Do not use acidic, alkaline or abrasive detergent
  - · Do not use hard brushes
  - Do not use detergent on the wheels when they are hot, such as after driving or parking in hot weather

#### ■ Bumpers

Do not scrub with abrasive cleaners.

#### ■ Front side windows water-repellent coating (if equipped)

- 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 your Toyota dealer.

#### ■ Plated portions

If dirt cannot be removed, clean the parts as follows:

- Use a soft cloth dampened with an approximately 5% solution of neutral detergent and water to clean the dirt off.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture.
- To remove oily deposits, use alcohol wet wipes or a similar product.

### WARNING

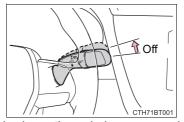
#### ■When washing the vehicle

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components, etc. to catch fire.

# ■When cleaning the windshield (vehicles with rain-sensing windshield wipers)

Set the wiper switch to off.

If the wiper switch is in "AUTO", the wipers may operate unexpectedly in the following situations, and may result in hands being caught or other serious injuries and cause damage to the wiper blades.



- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

### ■ Precautions regarding the exhaust pipes

Exhaust gasses cause the exhaust pipes to become quite hot.

When washing the vehicle, be careful not to touch the pipes until it has cooled sufficiently, as touching a hot exhaust pipes 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 your Toyota dealer.

### **↑** NOTICE

# ■ To prevent paint deterioration and corrosion on the body and components (aluminum wheels, etc.)

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - · After driving on salted roads
  - · If coal tar or tree sap is present on the paint surface
  - If dead insects, insect droppings or bird droppings are present on the paint surface
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
  - · If the vehicle becomes heavily soiled with dust or mud
  - If liquids such as benzene and gasoline are spilled on the paint surface
- If the paint is chipped or scratched, have it repaired immediately.
- To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

### ■ Cleaning the exterior lights

- Wash carefully. Do not use organic substances or scrub with a hard brush. This may damage the surfaces of the lights.
- Do not apply wax to the surfaces of the lights. Wax may cause damage to the lenses.
- When using an automatic car wash (vehicles with rain-sensing windshield wipers)

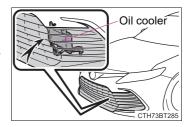
Set the wiper switch to the off position.

If the wiper switch is in "AUTO", the wipers may operate and the wiper blades may be damaged.  $\label{eq:autocond}$ 

### **NOTICE**

### ■When using a high pressure car wash

- Vehicles with Toyota Safety Sense: When washing the vehicle, do not spray the camera or its surrounding area directly with a high pressure washer. Shock applied from high pressure water may cause the device to not operate normally.
- Vehicles with Toyota Safety Sense: Do not spray water directly on the radar which is equipped behind the emblem. Otherwise it may cause the device to be damaged.
- Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), connectors or the following parts. The parts may be damaged if they come into contact with high-pressure water.
  - · Traction related parts
  - · Steering parts
  - Suspension parts
  - · Brake parts
- Keep the cleaning nozzle at least 30 cm (11.9 in.) away from the vehicle body. Otherwise resin section, such as moldings and bumpers, may be deformed and damaged. Also, do not continuously hold the nozzle in the same place.
- Do not spray the lower part of the windshield continuously. If water enters the air conditioning system intake located near the lower part of the windshield, the air conditioning system may not operate correctly.
- Do not wash the underside of the vehicle using a high pressure car washer.
- Vehicles with automatic transaxle oil cooler: Do not point the nozzle of a high pressure washer at the areas shown in the illustration, as high pressure water may damage the oil cooler.



# 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.

### **MARNING**

#### ■ Water in the vehicle

- Do not splash or spill liquid in the vehicle.
   Doing so may cause electrical components, etc., to malfunction or catch fire
- Do not get any of the SRS components or wiring in the vehicle interior wet.
   (→P. 45)

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 ( $\rightarrow$ P. 480) 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 (vehicles with Toyota Safety Sense)

Do not allow glass cleaner to contact the lens. Also, do not touch the lens.  $(\rightarrow P. 302)$ 

### ■ 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.

The interval for scheduled maintenance is determined by the odometer reading or the time interval, whichever comes first, shown in the schedule. Maintenance beyond the last period should be performed at the same intervals.

• Where to go for maintenance service?

It makes good sense to take your vehicle to your local Toyota dealer for maintenance service as well as other inspections and repairs.

Toyota technicians are well-trained specialists receiving the latest service information through technical bulletins, service tips and in-dealership training programs. They learn to work on Toyota before they work on your vehicle, rather than while they are working on it. Doesn't that seem like the best way?

Your Toyota dealer has invested a lot of money in special Toyota tools and service equipment. It helps them to do the job better and at less cost.

Your Toyota dealer's service department will perform all of the scheduled maintenance on your vehicle reliably and economically.

Rubber hoses (for cooling and heater system, brake system and fuel system) should be inspected by a qualified technician according to the Toyota maintenance schedule.

Rubber hoses are particularly important maintenance items. Have any deteriorated or damaged hoses replaced immediately. Note that rubber hoses will deteriorate with age, resulting in swelling, chafing or cracking.

### Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many of the maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools. Simple instructions for how to perform them are presented in this section.

Note, however, that some maintenance tasks require special tools and skills. These are best performed by qualified technicians. Even if you are an experienced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by your Toyota dealer who will keep a record of maintenance on your vehicle. This record could be helpful should you ever require Warranty Service.

#### ■ Does your vehicle need repairs?

Be on the alert for changes in performance and sounds, and visual tip-offs that indicate service is needed. Some important clues are:

- Engine 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 your Toyota dealer as soon as possible. Your vehicle may need adjustment or repair.

### **MARNING**

### ■ 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

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 523)

## **Scheduled maintenance**

#### Perform maintenance by the schedule as follows:

#### Maintenance schedule requirements

Your vehicle needs to be serviced according to the normal maintenance schedule. (See "Maintenance schedule".)



If you mainly operate your vehicle under one or more of the special operating conditions below, some of the maintenance schedule items need to be serviced more frequently in order to keep your vehicle in good condition. (See "Additional maintenance schedule".)

#### A. Road Conditions

- Operating on rough or muddy roads, or roads with melted snow
- Operating on dusty roads (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)

#### B. Driving Conditions

- 1. Heavily loaded vehicle (For example, using a car top carrier and so forth.)
- Repeated short trips of less than 8 km (5 miles) and outside temperatures remain below freezing (Engine temperature will not reach to normal temperature)
- Extensive idling and/or low speed driving for a long distance such as police, professional/private use like taxi or door-to-door delivery use
- 4. Continuous high speed driving (80% or more of maximum vehicle speed) for over 2 hours

### Maintenance schedule

Maintenance operations: I = Inspect, correct, clean or replace as necessary

R = Replace, change or lubricate

	SERVICE ODOMETER READING										
	dometer reading	x1000 km	10	20	30	40	50	60	70	80	MONTHS
	months, which- er comes first.)	x1000 miles	6	12	18	24	30	36	42	48	
BA	ASIC ENGINE COM	<b>IPONENTS</b>									
1	Drive belts			I		I		I		I	24
2	Engine oil		R	R	R	R	R	R	R	R	12
3	Engine oil filter		R	R	R	R	R	R	R	R	12
4	Cooling and heat < <see 1.="" note="">&gt;</see>	er system				I				I	24
5	Engine coolant < <see 3.="" note="">&gt;</see>					I				I	-
6	Engine oil cooler connections < <see 2.="" note="">&gt;</see>	r hoses and				I				I	24
7	Exhaust pipes ar mountings	nd		I		I		I		I	12
IG	IGNITION SYSTEM										
8	Spark plugs			epla iles)		eve	ry	100	000	kn	n (60000
9	Battery		I	1	I	1	I	I	1	I	12
FU	JEL AND EMISSIO	N CONTROL	SY	STE	MS						
10	Fuel filter < <see 4.="" note="">&gt;</see>									R	96
11	Fuel injection sys	stem	tem Add injector cleaner to the fu every 10000 km (6000 miles) <see 6.="" note="">&gt;</see>				fuel tank				
12	Air cleaner filter			I		R		ı		R	I:24 R:48
13	Fuel tank cap, fu connections and control valve < <see 1.="" note="">&gt;</see>	el lines, fuel vapor				I				I	24
14	Charcoal caniste < <see 7.="" note="">&gt;</see>	r				I				I	24

Maintenance operations: I = Inspect, correct, clean or replace as necessary

R = Replace, change or lubricate

	RVICE ODOMETER READING										
	dometer reading	x1000 km	10	20	30	40	50	60	70	80	MONTHS
	months, which- er comes first.)	x1000 miles	6	12	18	24	30	36	42	48	
CH	HASSIS AND BOD	<b>′</b>									
15	Brake pedal		I	I	I	I	ı	ı	ı	I	6
16	Brake pads and	discs	I	I	I	I	I	I	I	I	6
17	Brake fluid		I	I	I	R	I	I	I	R	I:6 R:24
18	Brake pipes and	hoses		I		I		I		I	12
40	Vacuum pump fo	r brake		Inspect every 200000 km miles). < <see 8.="" note="">&gt;</see>					(120000		
19	booster			Replace every 200000 km miles). < <see 9.="" note="">&gt;</see>							(120000
20	Steering wheel, steering gear box			I		1		I		ı	12
21	Drive shaft boots			I		I		I		I	24
22	Suspension ball dust covers	joints and		I		I		I		I	12
23	Automatic transn (including front d					I				I	24
24	Automatic transr cooler hoses a tions					I				Ι	24
25	Front and rear su	spension		I		I		I		I	12
26	Tires and inflation	n pressure	I	I	I	I	ı	I	ı	I	6
27	Lights, horns, washers	wipers and	I	I	I	I	I	I	I	I	6
28	Air conditioning f	ilter	R	R	R	R	R	R	R	R	12

#### NOTE:

- 1. After 80000 km (48000 miles) or 48 months inspection, inspect every 20000 km (12000 miles) or 12 months.
- 2. 2GR-FKS engine models with vehicle model code\* that has "V" as the last letter.
  - After 80000 km (48000 miles) or 48 months inspection, inspect every 20000 km (12000 miles) or 12 months.
- 3. First replace at 160000 km (96000 miles), then replace every 80000 km (48000 miles).
- 4. Including the filter in fuel tank.
- A25A-FKS engine models for Azerbaijan, Trukmenistan, Libya, Egypt, Iraq, Bahrain, Yemen, Saudi Arabia, Kyrgyzstan and Armenia only.
   2GR-FKS engine models for Curacao, Azerbaijan, Bahrain, Saudi Arabia, Kyrgyzstan and Armenia only.
   M20A-FKS engine models for Kyrgyzstan and Armenia only.
- 6. Toyota genuine fuel injector cleaner or equivalent.
- 7. Except for Korea
- 8. A25A-FKS engine models other than Korea and M20A-FKS engine models for Taiwan: Replace the vacuum pump vane and the vacuum pump vane caps with new ones and never reuse the vacuum pump vane and the vacuum pump vane caps.
- 9. M20A-FKS engine models for Russia, Kazakhstan, Kyrgyzstan, Armenia only.
- \*: The model code is indicated on the manufacturer's label or the Certification Regulation label. (→P. 654)

## Additional maintenance schedule

Refer to the following table for normal maintenance schedule items requiring more frequent service specific to the type of severe conditions. (For outline, see "Maintenance schedule requirements".)

A-1: Operating on rough or muddy roa	ads, or roads with melted snow
☐ Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months
☐ Inspection* of brake pipes and hoses	Every 10000 km (6000 miles) or 6 months
☐ Inspection* of suspension ball joints and dust covers	Every 10000 km (6000 miles) or 6 months
☐ Inspection* of drive shaft boots	Every 10000 km (6000 miles) or 12 months
☐ Inspection* of steering wheel, linkage and steering gear box	Every 5000 km (3000 miles) or 3 months
☐ Inspection* of front and rear suspension	Every 10000 km (6000 miles) or 6 months
☐ Tightening of bolts and nuts on chassis and body < <see note.="">&gt;</see>	Every 10000 km (6000 miles) or 6 months

<sup>\*:</sup> Perform correction or replacement as necessary.

A-2: Operating on dusty roads (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)				
☐ Replacement of engine oil	Every 5000 km (3000 miles) or 6 months			
☐ Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months			
☐ Inspection* or replacement of air cleaner filter	I: Every 2500 km (1500 miles) or 3 months R: Every 40000 km (24000 miles) or 48 months			
☐ Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months			
B-1: Heavily loaded vehicle (For exa forth.)	mple, using a car top carrier and so			
☐ Replacement of engine oil	Every 5000 km (3000 miles) or 6 months			
☐ Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months			
☐ Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months			
☐ Inspection* or replacement of automatic transmission fluid (including front differential)	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months			
☐ Inspection* of front and rear suspension	Every 10000 km (6000 miles) or 6 months			
☐ Tightening of bolts and nuts on chassis and body < <see note.="">&gt;</see>	Every 10000 km (6000 miles) or 6 months			

<sup>\*:</sup> Perform correction or replacement as necessary.

	8 km (5 miles) and outside tempera- gine temperature will not reach to nor-
☐ Replacement of engine oil	Every 5000 km (3000 miles) or 6 months
☐ Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months
	d driving for a long distance such as ke taxi or door-to-door delivery use
☐ Replacement of engine oil	Every 5000 km (3000 miles) or 6 months
☐ Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months
☐ Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months
☐ Inspection* or replacement of automatic transmission fluid (including front differential)	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months
B-4: Continuous high speed driving speed) for over 2 hours	(80% or more of maximum vehicle
☐ Inspection* or replacement of automatic transmission fluid (including front differential)	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months
*: Perform correction or replacement	

<sup>\*:</sup> Perform correction or replacement as necessary.

#### NOTE:

For seat mounting bolts, front and rear suspension member retaining bolts.

# **Do-it-yourself service precautions**

If you perform maintenance by yourself, be sure to follow the correct procedure as given in these sections.

Items	Parts and tools
Battery condition (→P. 523)	<ul> <li>Warm water</li> <li>Baking soda</li> <li>Grease</li> <li>Conventional wrench (for terminal clamp bolts)</li> <li>Distilled water</li> </ul>
Engine coolant level (→P. 521)	<ul> <li>"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</li> <li>"Toyota Super Long Life Coolant" is pre-mixed with 50% coolant and 50% deionized water.</li> <li>Funnel (used only for adding engine coolant)</li> </ul>
Engine oil level (→P. 517)	<ul><li> "Toyota Genuine Motor Oil" or equivalent</li><li> Rag or paper towel</li><li> Funnel (used only for adding engine oil)</li></ul>
Fuses (→P. 561)	Fuse with same amperage rating as original
Light bulbs (→P. 565)	Bulb with same number and wattage rating as original
Radiator/con- denser (→P. 522)	Flathead screwdriver     Wrench     —
Tire inflation pressure (→P. 546)	Tire pressure gauge     Compressed air source
Washer fluid (→P. 527)	<ul> <li>Water or washer fluid containing antifreeze (for winter use)</li> <li>Funnel (used only for adding water or washer fluid)</li> </ul>

### **MARNING**

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

- Keep hands, clothing and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.
- Be extremely cautious when working on the battery. It contains poisonous and corrosive sulfuric acid.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.

If you still experience discomfort, consult a doctor.

#### ■When working near the electric cooling fan or radiator grille

Vehicles without a smart entry & start system:

Be sure the engine switch is off. With the engine switch in the "ON" position, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high.  $(\rightarrow P. 522)$ 

Vehicles with a smart entry & start system:

Be sure the engine switch is off. With the engine switch in IGNITION ON mode, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high.  $(\rightarrow P. 522)$ 

#### 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

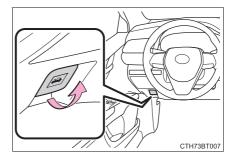
It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.

If the reservoir needs frequent refilling, it may indicate a serious problem.

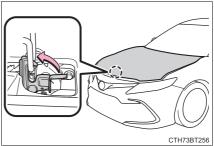
# Hood

#### 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.

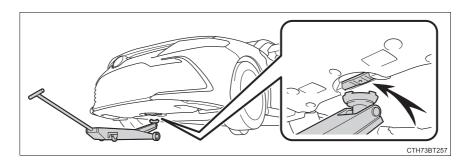
If the hood is not locked properly, it may open while the vehicle is in motion and cause an accident, which may result in death or serious injury.

# Positioning a floor jack

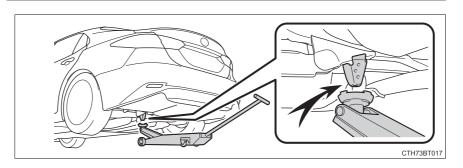
When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely.

When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

#### **♦** Front

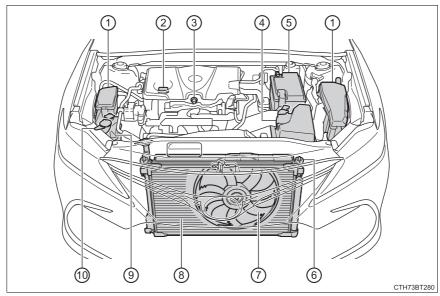


#### ♠ Rear



# **Engine compartment**

▶ A25A-FKS and M20A-FKS engines



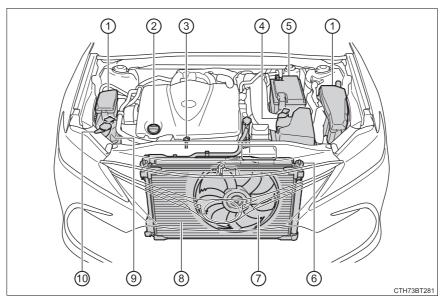
1) Fuse boxes

4 Air cleaner

- (→P. 561)
- (6) Radiator
- (→P. 522)

- (2) Engine oil filler cap
  - (→P. 519)
- 7 Electric cooling fan
- 3 Engine oil level dipstick
  - lick
  - (→P. 517)
  - (→P. 529)
- (5) Battery (→P. 523)
- (a) Condenser (→P. 522)
- Engine coolant reservoir
  - (→P. 521)
- ① Washer fluid tank (→P. 527)

#### ▶ 2GR-FKS engine



1 Fuse boxes (if equipped)

(→P. 561)

- (5) Battery (→P. 523)
   (6) Radiator (→P. 522)
- 2 Engine oil filler cap

(→P. 519)

- (7) Electric cooling fan(8) Condenser (→P. 522)
- 3 Engine oil level dipstick

(→P. 517)

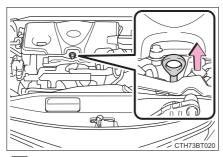
- (4) Air cleaner (→P. 529)
- (9) Engine coolant reservoir
  - (→P. 521)
- ① Washer fluid tank (→P. 527)

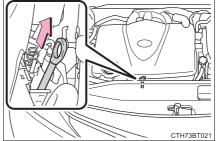
### Engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

#### ■ Checking the engine oil

- 1 Park the vehicle on level ground. After warming up the engine and turning it off, wait more than 5 minutes for the oil to drain back into the bottom of the engine.
- 2 Holding a rag under the end, pull the dipstick out.
  - ► A25A-FKS and M20A-FKS ► 2GR-FKS engine engines

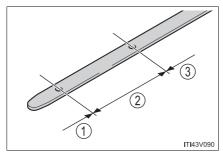


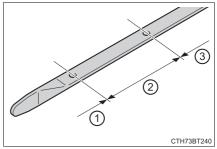


- Wipe the dipstick clean.
- 4 Reinsert the dipstick fully.

- 5 Holding a rag under the end, pull the dipstick out and check the oil level.
- ▶ Flat dipstick

## ▶ Twist dipstick





- 1 Low
- 2 Normal
- ③ Excessive

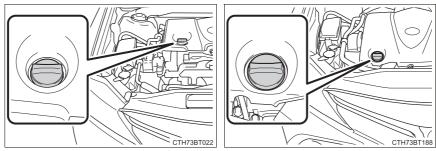
The shape of the dipstick may differ depending on the type of vehicle or engine.

6 Wipe the dipstick and reinsert it fully.

#### ■ Adding engine oil

If the oil level is below or near the low level mark, add engine oil of the same type as that already in the engine.

► A25A-FKS and M20A-FKS ► 2GR-FKS engine engines



Make sure to check the oil type and prepare the items needed before adding oil.

Engine oil selection	→P. 658
	▶ A25A-FKS and M20A-FKS engines
Oil quantity (Low → Full)	1.5 L (1.6 qt., 1.3 lmp. qt.) ▶ 2GR-FKS engine
	1.8 L (1.9 qt., 1.6 lmp. 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
  - Call your Toyota dealer, service station or auto parts store for information concerning recycling or disposal.
- Do not leave used engine oil within the reach of children.



#### ∧ NOTICE

#### ■To prevent serious engine damage

Check the oil level on a regular basis.

#### ■When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

#### ■ If oil is spilled on the engine cover (A25A-FKS engine)

To prevent the engine cover from being damaged, remove any engine oil from the engine cover as soon as possible using a neutral detergent.

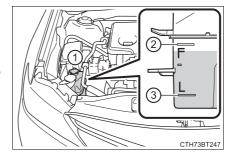
Do not use an organic solvent such as brake cleaner.

#### Engine coolant

The coolant level is satisfactory if it is between the "F" and "L" lines on the reservoir when the engine is cold.

- (1) Reservoir cap
- (2) "F" line
- (3) "L" line

If the level is on or below the "L" line, add coolant up to the "F" line.  $(\rightarrow P. 646)$ 



#### **■** 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:  $-35^{\circ}$ C [-31°F])

For more details about engine coolant, contact your Toyota dealer.

#### ■ If the coolant level drops within a short time of replenishing

Visually check the radiator, hoses, engine coolant reservoir caps, drain cock and water pump.

If you cannot find a leak, have your Toyota dealer test the cap and check for leaks in the cooling system.

### **WARNING**

#### ■When the engine is hot

Do not remove the engine coolant reservoir cap 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 your Toyota dealer.



### **⚠** WARNING

#### ■When the engine is hot

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

Check the battery as follows.

### **■** Caution symbols

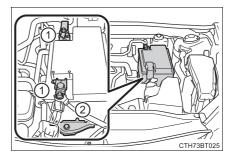
The meanings of each caution symbol on the top of the battery are as follows:

No smoking, no naked flames, no sparks	Battery acid
Shield eyes	Note operating instructions
Keep away from chil- dren	Explosive gas

#### ■ Battery exterior

Make sure that the battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.

- (1) Terminals
- 2 Hold-down clamp



6

Maintenance and care

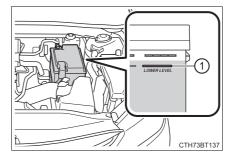
#### ■ Checking battery fluid

#### ▶ Type A

Check that the fluid level is above the "LOWER LEVEL" line.

#### 1) "LOWER LEVEL" line

If the fluid level is at or below the "LOWER LEVEL" line, add distilled water.

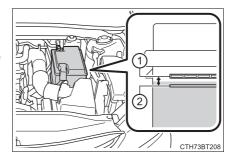


### ▶ Type B

Check that the level is between the "MAX" and "MIN" lines.

- 1 "MAX" line
- (2) "MIN" line

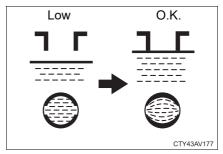
If the fluid level is at or below the "MIN" line, add distilled water.



#### ■ Adding distilled water

- 1 Remove the vent plug.
- 2 Add distilled water.

If it is difficult to see the fluid level from the side, check it by looking directly into the cell.



3 Put the vent plug back on and close securely.

#### ■ Before recharging

When recharging, the battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following before recharging:

- If recharging with the battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the battery.

# ■ After recharging/reconnecting the battery (vehicles with a smart entry & start system)

- Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the engine with the engine switch in ACCESSORY mode. The engine may not start with the engine switch turned off. However, the engine will operate normally from the second attempt.
- The engine switch mode is recorded by the vehicle. If the battery is reconnected, the vehicle will return the engine switch mode to the status it was in before the battery was disconnected. Make sure to turn off the engine before disconnecting the battery. Take extra care when connecting the battery if the engine switch mode prior to discharge is unknown.

If the system will not start even after multiple attempts, contact your Toyota dealer.

#### **MARNING**

#### ■ Chemicals in the battery

Batteries contain poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the battery:

- Do not cause sparks by touching the battery terminals with tools.
- Do not smoke or light a match near the battery.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the battery.
- Keep children away from the battery.

#### ■Where to safely charge the battery

Always charge the battery in an open area. Do not charge the 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 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 recharging the battery

Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

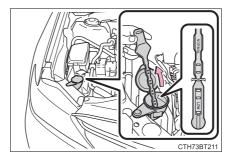
#### ■When adding distilled water

Avoid overfilling. Water spilled during battery recharging may cause corrosion.

### Washer fluid

▶ Vehicles with a washer fluid level gauge

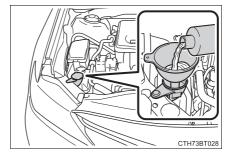
If the washer fluid level is at "LOW", add washer fluid.



▶ Vehicles without a washer fluid level gauge

Add washer fluid in the following situations:

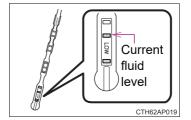
- A washer does not work.
- "Windshield Washer Fluid Low" is displayed on the multi-information display.



#### ■ Using the gauge (vehicles with a washer fluid level gauge)

The washer fluid level can be checked by observing the position of the level on the liquid-covered holes in the gauge.

If the level falls below the second hole from the bottom (the "LOW" position), refill the washer fluid.



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Maintenance and care

## **MARNING**

#### ■When adding washer fluid

Do not add washer fluid when the engine is hot or running as washer fluid contains alcohol and may catch fire if spilled on the engine, etc.

#### ♠ NOTICE

#### ■ Do not use any fluid other than washer fluid

Do not use soapy water or engine antifreeze instead of washer fluid. Doing so may cause streaking on the vehicle's painted surfaces, as well as damaging the pump leading to problems of the washer fluid not spraying.

#### ■ Diluting washer fluid

Dilute washer fluid with water as necessary.

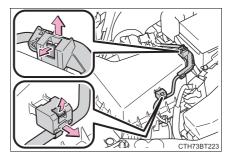
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

#### Air cleaner filter (A25A-FKS and 2GR-FKS engines)

Check the air cleaner filter as follows:

1 Vehicles with 2GR-FKS engine: Disengage each clamp.

While pulling the claw, pull the clamp to disengage it.



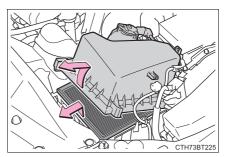
2 Release the clips.

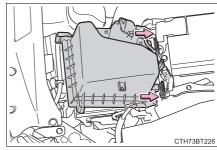


3 Lift the cover and take out the air cleaner filter.

Inspect the outer surface of the filter, and replace the filter if it is extremely dirty. If the filter is only moderately dusty, use compressed air to blow dust out of the filter.

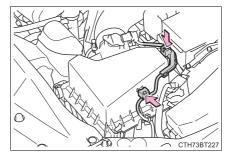
4 After checking, make sure the filter is set properly. Fully engage the claws and then secure the upper cover of the air cleaner case using the clips.





5 Vehicles with 2GR-FKS engine: Engage each clamp.

> Make sure to push each clamp until it is securely engaged.



# **MARNING**

#### ■To prevent inhaling dust

Wear a respirator when using compressed air to clean the air cleaner filter.

#### ♠ NOTICE

#### ■To prevent damaging the engine

Do not drive with the air cleaner filter removed. Doing so causes excessive engine wear.

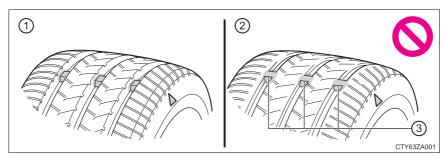
# **Tires**

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.



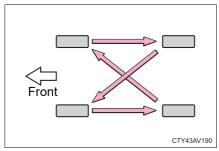
- (1) New tread
- (2) Worn tread
- (3) Treadwear indicator

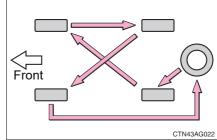
The location of treadwear indicators is shown by a "TWI" or " $\Delta$ " mark, etc., molded into the sidewall of each tire.

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).

Vehicles with a tire pressure warning system: do not fail to initialize the tire pressure warning system after tire rotation.

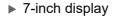
#### Tire pressure warning system (if equipped)

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.

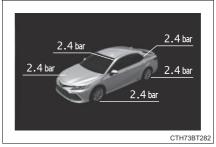
- ▶ Vehicles without a tire inflation pressure display function If the tire pressure drops below a predetermined level, the driver is warned by a warning light. (→P. 592)
- ▶ Vehicles with a tire inflation pressure display function
- The tire pressure detected by the tire pressure warning system can be displayed on the multi-information display.

The illustration used is intended as an example, and may differ from the image that is actually displayed on the multi-information display.

▶ 4.2-inch display





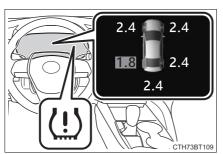


 If the tire pressure drops below a predetermined level, the driver is warned by a screen display and a warning light. (→P. 592)

The illustration used is intended as an example, and may differ from the image that is actually displayed on the multi-information display.

▶ 4.2-inch display

▶ 7-inch display





#### 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. ( $\rightarrow$ P. 536)

#### 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.
- Vehicles with a tire inflation pressure display function: After performing the transmitter ID code registration procedure.
   (→P. 536)

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 engine 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. 667, 668)

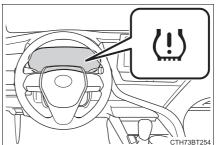
Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

3 Start the engine. (→P. 254, 256)

- 4 Select (4.2-inch display) or (7-inch display) on the multiinformation display using the meter control switches on the steering wheel. (→P. 139, 154).
- 5 4.2-inch display: Select "Vehicle Settings" and then press 7-inch display: Select and then press and hold .
- 6 Select "TPWS" and then press
- 7 Select "Set Pressure" then press and hold wuntil the tire pressure warning light blinks 3 times.

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

Vehicles with a tire inflation pressure display function: "- -" will be displayed on the multi-information display for the inflation pressure of each tire while initialization is being performed.



8 Vehicles with a tire inflation pressure display function: Drive at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

When initialization is complete, the inflation pressure of each tire will be displayed on the multi-information display.

Even if the vehicle is not driven at approximately 40 km/h (25 mph) or more, initialization can be completed by driving for a long time. However, if initialization does not complete after driving for 1 hour or more, park the vehicle in a safe place for approximately 20 minutes and then drive the vehicle again.

#### Registering ID codes

▶ Vehicles without a tire inflation pressure display function

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 your Toyota dealer. When 2 sets of ID codes have been registered, either ID code set can be selected.

▶ Vehicles with a tire inflation pressure display function

Every tire pressure warning valve and transmitter has a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID codes.

The ID codes can be registered on (4.2-inch display) or (7-inch display) of the multi-information display.

# ■ Changing the available set of ID codes (vehicles without a tire inflation pressure display function)

When 2 sets of ID codes are registered, the corresponding ID code set for the installed wheels can be selected on (4.2-inch display) or (7-inch display) 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 your Toyota dealer.

# ■ How to register the ID codes (vehicles with a tire inflation pressure display function)

1	Park the vehicle in a safe place, wait for approximately 20 min-
	utes, and then start the engine. (→P. 254, 256)

2	Select 🌠 (4.2-inch display) or 🔯 (7-inch display) on the multi-
	information display using the meter control switches on the steer-
	ing wheel. (→P. 139, 154)

3 4.2-inch display: Select "Vehicle Settings" and then press	(OK)
7-inch display: Select and then press and hold .	

4 Select "TPWS" and the	hen press 🏽 🤻	ok)
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5 Select "Change Wheel" then press and hold until the tire pressure warning light blinks slowly 3 times.

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

When registration is being performed, the tire pressure warning light will blink for approximately 1 minute then illuminate and "--" will be displayed for the inflation pressure of each tire on the multi-information display.

6 Drive at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

Registration is complete when the tire pressure warning light turns off and the inflation pressure of each tire is displayed on the multi-information display.

Even if the vehicle is not driven at approximately 40 km/h (25 mph) or more, registration can be completed by driving for a long time. However, if registration does not complete after driving for 1 hour or more, perform the procedure again from the beginning.

7 Initialize the tire pressure warning system. (→P. 534)

#### ■When to replace your vehicle's tires

Tires should be replaced if:

- The treadwear indicators are showing on a tire.
- You have tire damage such as cuts, splits, cracks deep enough to expose the fabric, and bulges indicating internal damage
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage

If you are not sure, consult with your Toyota dealer.

# Replacing tires and wheels (vehicles with a tire pressure warning system)

If the ID 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 (vehicles with a tire pressure warning system)

The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

#### ■ 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 (vehicles with a tire pressure warning system)
  - 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
    - Vehicles with a tire inflation pressure display function: If tire position information is not correctly displayed due to the radio wave conditions, the display may be corrected by changing the location of the vehicle as the radio wave conditions may change.
  - ■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 (vehicles with a tire pressure warning system)

- 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 engine switch is turned to the "LOCK" position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system) during initialization, it is not necessary to restart the initialization procedure from the beginning as it will begin automatically when the engine switch is turned back to the "ON" position (vehicles without a smart entry & start system) or IGNITION ON mode (vehicles with a smart entry & start system).
- 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.
- Vehicles with a tire inflation pressure display function: While the position of each tire is being determined and the inflation pressures are not being displayed on the multi-information display, if the inflation pressure of a tire drops, the tire pressure warning light will come on.

# ■Warning performance of the tire pressure warning system (vehicles with a tire pressure warning system)

The warning of the tire pressure warning system will change in accordance with the conditions under which it was initialized. For this reason, the system may give a warning even if the tire pressure does not reach a low enough level, or if the pressure is higher than the pressure that was adjusted to when the system was initialized.

# ■If the tire pressure warning system is not initialized properly (vehicles with a tire pressure warning system)

▶ Vehicles without a tire inflation pressure display function

Initialization can be completed in a few minutes. However, in the following cases, the settings have not been recorded and the system will not operate properly. If repeated attempts to record tire inflation pressure settings are unsuccessful, have the vehicle inspected by your Toyota dealer.

- 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.
- ▶ Vehicles with a tire inflation pressure display function
- In the following situations, initialization may take longer than usual to be completed or may not be possible. (Usually, the vehicle will need to be driven for approximately 10 to 30 minutes to complete initialization.)
  If initialization is not complete after driving approximately 30 minutes, continue driving for a while.
  - If the vehicle is driven on an unpaved road, it may take longer to complete initialization.
  - If the vehicle is backed up while performing initialization, data collected during initialization will be cleared and it will take longer than normal to complete.
  - If the vehicle is driven in heavy traffic or another situation where other vehicles are driven close by, it may take time for the system to recognize the tire pressure warning valve and transmitters of your vehicle over those of other vehicles.

If initialization is not complete after driving for approximately 1 hour, park the vehicle in a safe place for approximately 20 minutes and then drive the vehicle again.

- In the following situations, initialization will not be started or was not completed properly and the system will not operate properly. Perform the initialization procedure again.
  - If, when attempting to start initialization, the tire pressure warning light does not blink 3 times.
  - If, when the vehicle has been driven for about 20 minutes after performing initialization, the tire pressure warning light blinks for approximately 1 minute and then illuminates.
- If initialization cannot be completed after performing the above procedure, contact your Toyota dealer.

# ■When registering ID codes (vehicles with a tire inflation pressure display function)

- Before performing ID code registration, make sure that no wheels with tire pressure warning valve and transmitters installed are near the vehicle.
- Make sure to initialize the tire pressure warning system after registering the ID codes. If the system is initialized before registering the ID codes, the initialized values will be invalid.
- As the tires will be warm when registration is completed, make sure to allow the tires to cool before performing initialization.

# ■ Canceling ID code registration (vehicles with a tire inflation pressure display function)

- To cancel ID code registration after it has been started, turn the engine switch off before driving the vehicle.
  If the vehicle is driven after ID code registration is started, to cancel registration, perform the ID code registration start procedure again and turn the engine switch off before driving.
- If ID code registration has been canceled, the tire pressure warning light will blink for approximately 1 minute when the engine switch is turned to IGNI-TION ON mode and then illuminate. The tire pressure warning system will be operational when the tire pressure warning light turns off.
- If the warning light does not turn off even after several minutes have elapsed, ID code registration may not have been cancelled correctly. To cancel registration, perform the ID code registration start procedure again and then turn the engine switch off before driving.

# ■ If ID codes are not registered properly (vehicles with a tire inflation pressure display function)

- In the following situations, ID code registration may take longer than usual to be completed or may not be possible. (Usually, the vehicle will need to be driven for approximately 10 to 30 minutes to complete ID code registration.) If ID code registration is not complete after driving for approximately 30 minutes, continue driving for a while.
  - If the vehicle is driven on an unpaved road, it may take longer than normal to complete registration.
  - If the vehicle is backed up while performing registration, data collected during registration will be cleared, and it will take longer than normal to complete.
  - If the vehicle is driven in heavy traffic or another situation where other vehicles are driven close by, it may take time for the system to recognize the tire pressure warning valve and transmitters of your vehicle over those of other vehicles.
  - If a wheel with a tire pressure warning valve and transmitter installed is inside or near the vehicle, registration of the ID codes for the installed wheels may not be possible.

If ID registration is not complete after driving for approximately 1 hour, park the vehicle in a safe place for approximately 20 minutes and then perform the ID code registration procedure again.

- In the following situations, ID code registration will not be started or was not completed properly and the system will not operate properly. Perform the ID code registration procedure again.
  - If, when attempting to start ID code registration, the tire pressure warning light does not blink slowly 3 times.
  - If, when the vehicle has been driven for about 10 minutes after performing ID code registration, the tire pressure warning light blinks for approximately 1 minute and then illuminates.
- If ID code registration cannot be completed after performing the above procedure, contact your Toyota dealer.

# **MARNING**

### ■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 (vehicles with a 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 (vehicles with a tire pressure warning system)
  - When removing or fitting the wheels, tires or the tire pressure warning valve and transmitters, contact your Toyota dealer 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 (vehicles with a tire pressure warning system)

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Toyota dealer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. ( $\rightarrow$ P. 534)

### 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. 667, 668)

### ■ 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 your Toyota dealer.

### ■Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.
  If your vehicle has been parked for at least 3 hours or has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.
   It is difficult to judge if a tire is properly inflated based only on its appearance.
- It is normal for the tire inflation pressure to be higher after driving as heat is generated in the tire. Do not reduce tire inflation pressure after driving.
- Passengers and luggage weight should be placed so that the vehicle is balanced.

# **MARNING**

### ■ Proper inflation is critical to save tire performance

Keep your tires properly inflated.

If the tires are not properly inflated, the following conditions may occur which could lead to an accident resulting in death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges on the road, etc.)



#### **NOTICE**

### ■When inspecting and adjusting tire inflation pressure

Be sure to put the tire valve caps back on.

If a valve cap is not installed, dirt or moisture may get into the valve and cause an air leak, resulting in decreased tire inflation pressure.

### Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause a loss of handling control.

### Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width and inset\*.

Replacement wheels are available at your Toyota dealer.

\*: Conventionally referred to as "offset".

Toyota does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

### Aluminum wheel precautions (if equipped)

- 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 (vehicles with a tire pressure warning system)

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.  $(\rightarrow P. 534)$ 

# **WARNING**

### ■When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in a loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire. Doing so may result in an accident, causing death or serious injury.

### ■When installing the wheel nuts

- Be sure to install the wheel nuts with the tapered ends facing inward. (→P. 630) 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 (vehicles with a tire pressure warning system)

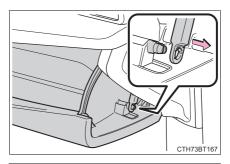
- Because tire repair or replacement may affect the tire pressure warning valve and transmitters, make sure to have tires serviced by your Toyota dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valve and transmitters at your Toyota dealer.
- Ensure 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

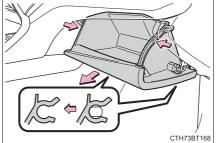
The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

# Removal method (except for Korea)

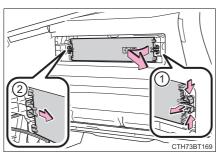
- 1 Turn the engine switch off.
- 2 Open the glove box. Slide off the damper.

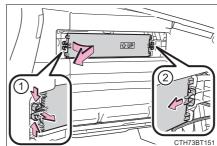


3 Push in each side of the glove box to disconnect the upper claws. Then pull out the glove box and disconnect the lower claws.



- 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





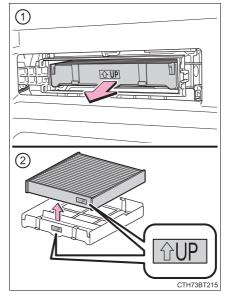
6

- 5 Replace the air conditioning filter.
- ▶ With a filter case
  - 1 Remove the filter case.

There may be foreign objects on top of the air conditioning filter.

2 Remove the air conditioning filter from the filter case and replace it with a new one.

The "TUP" marks shown on the filter and the filter case should be pointing up.

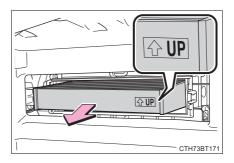


### ▶ Without a filter case

Remove the air conditioning filter and replace it with a new one.

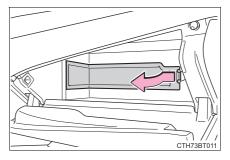
There may be foreign objects on top of the air conditioning filter.

The "↑UP" marks shown on the filter should be pointing up.

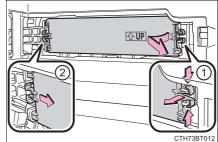


### Removal method (for Korea)

- 1 Turn the engine switch off.
- 2 Open the glove box and remove the glove box cover inside the glove box.

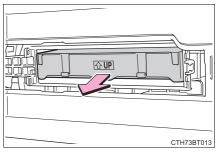


- 3 Remove the filter cover.
  - 1 Unlock the filter cover.
  - 2 Move the filter cover in the direction of the arrow, and then pull it out of the claws.



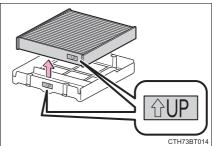
4 Remove the filter case.

There may be foreign objects on top of the air conditioning filter.



5 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

Replace the air conditioning filter according to the maintenance schedule. ( $\rightarrow$ P. 504) In dusty areas or areas with heavy traffic flow, early replacement may be required.

### ■ 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**

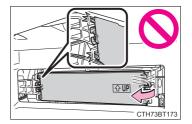
### ■When using the air conditioning system

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.



# Wireless remote control/electronic key battery

### Replace the battery with a new one if it is depleted.

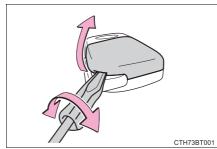
## You will need the following items:

- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery CR2032

## Replacing the battery

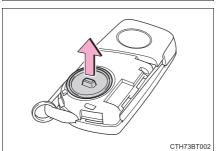
- ▶ Vehicles without a smart entry & start system
- 1 Remove the key cover.

To prevent damage to the key, cover the tip of the flathead screw-driver with a rag.



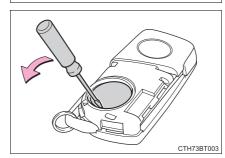
2 Remove the battery cover.

If the battery cover is difficult to remove, lift the edge to remove it.



Remove the depleted battery using a small flathead screwdriver.

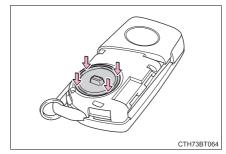
Insert a new battery with the "+" terminal facing up.



6

Install the battery cover with the tab facing up.

Push the entire edge of the battery cover into the key.



5 Install the key cover.

Align the key cover with the key and then press it straight into the key.

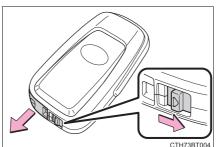
Make sure that the key cover is securely installed without any gaps between it and the key.





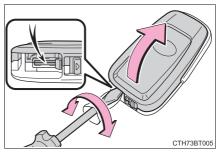
廢電池請回收。

1 Release the lock and remove the mechanical key.



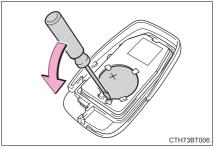
2 Remove the key cover.

To prevent damage to the key, cover the tip of the flathead screw-driver 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.



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6

### ■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 your Toyota dealer, local electrical appliance shops or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to local laws.

### ■ If the key battery is depleted

The following symptoms may occur:

- The smart entry & start system (if equipped) and wireless remote control will not function properly.
- The operational range will be reduced.

# **MARNING**

### ■ Battery precautions

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

- Do not swallow the battery. Doing so may cause chemical burns.
- Vehicles without a smart entry & start system: A coin battery or button battery is used in the key. If a battery is swallowed, it may cause severe chemical burns in as little as 2 hours and may result in death or serious injury.
- Vehicles with a smart entry & start system: A coin battery or button battery is used in the electronic key. If a battery is swallowed, it may cause severe chemical burns in as little as 2 hours and may result in death or serious injury.
- Keep away new and removed batteries from children.
- Vehicles without a smart entry & start system: If the cover cannot be firmly closed, stop using the key and stow the key in the place where children cannot reach, and then contact your Toyota dealer.
- Vehicles with a smart entry & start system: If the cover cannot be firmly closed, stop using the electronic key and stow the key in the place where children cannot reach, and then contact your Toyota dealer.
- If you accidentally swallow a battery or put a battery into a part of your body, get emergency medical attention immediately.

### ■To prevent battery explosion or leakage of flammable liquid or gas

- Replace the battery with a new battery of the same type. If a wrong type of battery is used, it may explode.
- Do not expose batteries to extremely low pressure due to high altitude or extremely high temperatures.
- Do not burn, break or cut a battery.

# **№** NOTICE

### For normal operation after replacing the battery

Observe the following precautions to prevent accidents:

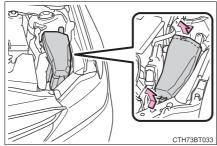
- Always work with dry hands. Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.
- Do not bend either of the battery terminals.
- ■When removing the battery cover (vehicles without a smart entry & start system)

Do not forcibly remove the battery cover, otherwise it may be damaged. If the battery cover is difficult to remove, lift the edge to remove it.

# **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 engine switch off.
- 2 Open the fuse box cover.
- ► Engine compartment (type A)
- ► Engine compartment (type B) (if equipped)





Push the tabs in and lift the lid off.

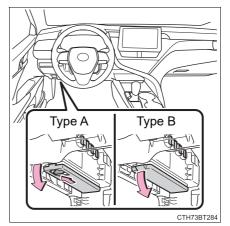
Push the tabs in and lift the lid off.

▶ Under the driver's side instrument panel (left-hand drive vehicles)

Remove the lid.

Type A only:

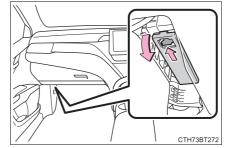
Make sure to push the claw when removing/installing the lid.



▶ Under the passenger's side instrument panel (right-hand drive vehicles)

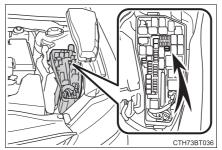
### Remove the lid.

Make sure to push the claw when removing/installing the lid.

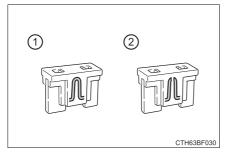


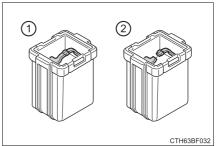
3 Remove the fuse with the pullout tool.

Only type A fuses can be removed using the pullout tool.

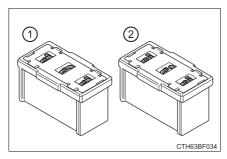


# ▶ Type B





▶ 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.

6

### ■ 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. 565)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

### ■ If there is an overload in a circuit

The fuses are designed to blow, protecting the wiring harness from damage.

### **MARNING**

### ■ 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.



### ■ Before replacing fuses

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

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 your Toyota dealer.

For more information about replacing other light bulbs, contact your Toyota dealer.

# Preparing for light bulb replacement

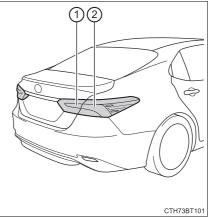
Check the wattage of the light bulb to be replaced. (→P. 670)

### **Bulb locations**

▶ Front

(1)

▶ Rear



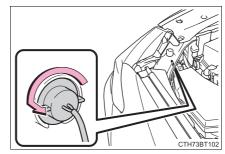
- 1 Front turn signal lights (bulb 1 Back-up lights (bulb type) type)
- - (2) Rear turn signal lights (bulb type)

# Replacing light bulbs

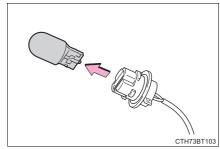
## ■ Front turn signal lights (bulb type)

1 Turn the bulb base counterclockwise.

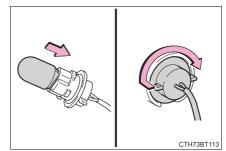
The shape of the bulb base may be different than shown depending on the intended destination of the vehicle.



2 Remove the light bulb.

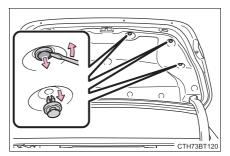


Install a new light bulb and then install the bulb base to the light unit by inserting it and turning it clockwise.

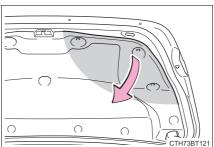


# ■ Back-up lights (bulb type)

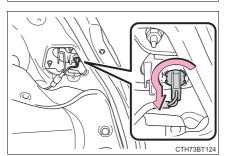
1 Open the trunk lid and remove the clips.



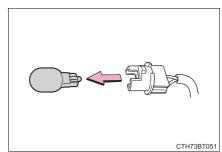
2 Partly remove the trunk lid cover.



3 Turn the bulb base counterclockwise.

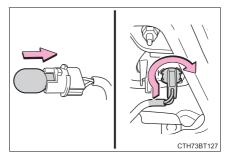


4 Remove the light bulb.

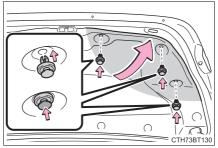


6

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.

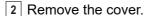


Maintenance and care

## ■ Rear turn signal lights (bulb type)

1 Open the trunk and apply protective tape to the vehicle body around the light unit.

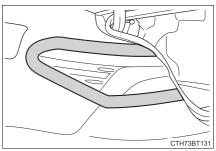
Use masking tape, etc. Do not use duct tape, as it may leave residue or damage the paint when removed.

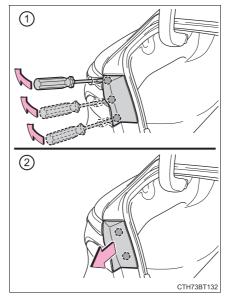


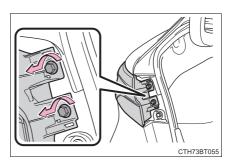
- 1 Insert a flathead screwdriver between the cover and the light unit and pry up the cover in several positions as shown in the illustration to disengage the claws (indicated by a dotted line).
- 2 Pull the cover toward the rear of the vehicle to disengage the claws (indicated by a dotted line) and remove the cover.

To prevent scratching the vehicle, wrap the tip of the flathead screwdriver with a cloth, etc.

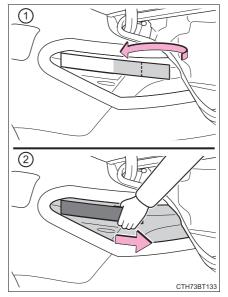
Remove the 2 bolts.



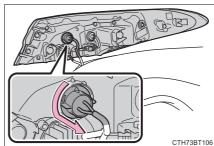




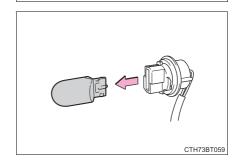
- 4 Remove the light unit.
  - 1) Attach a long piece of packing tape to the light unit and fold the excess in half.
  - 2 Hold the folded portion and pull it toward the rear of the vehicle to remove the light unit.

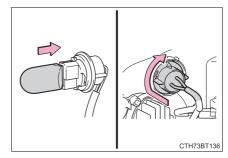


5 Turn the bulb base counterclockwise.



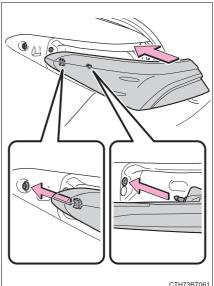
6 Remove the light bulb.



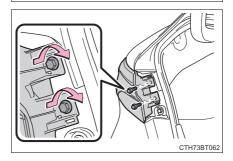


8 Install the light unit.

Align the tabs and push the light unit toward the front of the vehicle to install it.

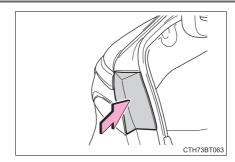


9 Install the 2 bolts.



6

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 your Toyota dealer.

- 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 (if equipped)
- Stoplights
- Rear turn signal lights (LED type)
- Back-up lights (LED type)
- Rear fog light (if equipped)
- 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 your Toyota dealer to have the light replaced.

### ■ Condensation build-up on the inside of the lens

Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction.

Contact your Toyota dealer for more information in the following situations:

- Large drops of water have built up on the inside of the lens.
- Water has built up inside the headlight.

### **MARNING**

### ■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

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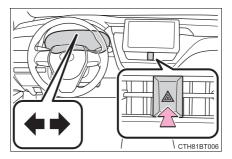
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## **Emergency flashers**

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 engine is not operating, the battery may discharge.
- If any of the SRS airbags deploy (inflate) or in the event of a strong rear impact, the emergency flashers will turn on automatically.
  - The emergency flashers will turn off automatically after operating for approximately 20 minutes. To manually turn the emergency flashers off, press the switch twice.

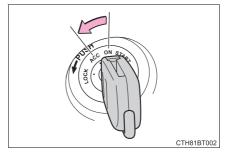
(The emergency flashers may not turn on automatically depending on the force of the impact and conditions of the collision.)

# If your vehicle has to be stopped in an emergency

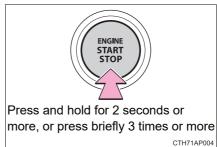
Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

- 1 Steadily step on the brake pedal with both feet and firmly depress it.

  Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.
- 2 Shift the shift 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 engine.
- ▶ 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 Vehicles without a smart entry & start system: Stop the engine by turning the engine switch to the "ACC" position.



4 Vehicles with a smart entry & start system: To stop the engine, press and hold the engine switch for 2 consecutive seconds or more, or press it briefly 3 times or more in succession.



5 Stop the vehicle in a safe place by the road.

### **MARNING**

#### ■ If the engine has to be turned off while driving

- Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.
- Vehicles without a smart entry & start system: Never attempt to remove the key, as doing so will lock the steering wheel.

# If the vehicle is submerged or water on the road is rising

This vehicle is not designed to be able to drive on roads that are deeply flooded with water. Do not drive on roads where the roads may be submerged or the water may be rising. It is dangerous to remain in the vehicle, if it anticipated that the vehicle will be flooded or set a drift. Remain calm and follow the following.

- If the door can be opened, open the door and exit the vehicle.
- If the door can not be opened, open the window using the power window switch and ensure an escape route.
- If the window can be opened, exit the vehicle through the window.
- If the door and window cannot be opened due to the rising water, remain calm, wait until the water level inside the vehicle rises to the point that the water pressure inside of the vehicle equals the water pressure outside of the vehicle and then open the door after waiting for the rising water to enter the vehicle, and exit the vehicle. When the outside water level exceeds half the height of the door, the door cannot be opened from the inside due to water pressure.

#### ■ Water level exceeds the floor

When the water level exceeds the floor and time has passed, the electrical equipment will get damaged, the power windows will not operate, the engine stop, and the vehicle may not be able to get moving.

#### ■Using an emergency escape hammer\*

Laminated glass is used in the windshield on this vehicle. Laminated glass cannot be shattered with an emergency hammer\*. Tempered glass is used in the windows on this vehicle.

\*: Contact your Toyota dealer or aftermarket accessory manufacturer for further information about an emergency hammer.



#### **WARNING**

#### Caution while driving

Do not drive on roads where the roads may be submerged or the water may be rising. Otherwise the vehicle may be damaged and cannot move, as well as become flooded and set a drift, which may lead to death.

### If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Toyota dealer or commercial towing service, using a wheel-lift type truck or flatbed truck.

Use a safety chain system for all towing, and abide by all state/provincial and local laws.

If towing your vehicle with a wheel-lift type truck from the front, the vehicle's rear wheels and axles must be in good conditions.  $(\rightarrow P. 580, 582)$ 

If they are damaged, use a towing dolly or flatbed truck.

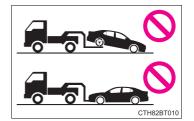
### **MARNING**

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.



#### ■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.
- Vehicles without a smart entry & start system: Do not turn the engine switch to the "LOCK" position. There is a possibility that the steering wheel is locked and cannot be operated.
- Vehicles with a smart entry & start system: Do not turn the engine 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

- Vehicles without a smart entry & start system: Do not tow the vehicle from the rear when the engine switch is in the "LOCK" position or the key is removed.
  - The steering lock mechanism is not strong enough to hold the front wheels straight.
- Vehicles with a smart entry & start system: Do not tow the vehicle from the rear when the engine switch is off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.
- 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.

#### Situations when it is necessary to contact dealers before towing

The following may indicate a problem with your transmission. Contact your Toyota dealer or commercial towing service before towing.

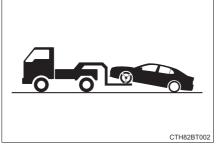
- The engine is running but the vehicle does not move.
- The vehicle makes an abnormal sound.

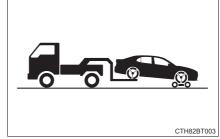
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### Towing with a wheel-lift type truck

▶ From the front

▶ From the rear



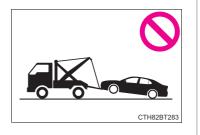


Release the parking brake. Turn automatic mode off.  $(\rightarrow P. 273)$  Use a towing dolly under the front wheels.

↑ NOTICE

#### ■ Towing with a sling-type truck

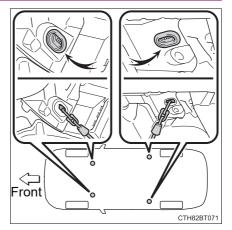
Do not tow with a sling-type truck to prevent body damage.



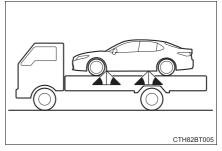
### Using a flatbed truck

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°.



If you cannot tie down the vehicle using the method above, use tire strapping belts.



#### ■Using a flatbed truck

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 at most 80 km (50 miles) at under 30 km/h (18 mph).

A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.

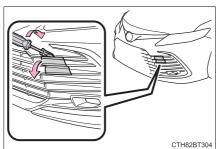
#### **Emergency towing procedure**

To have your vehicle towed by another vehicle, the towing eyelet must be installed to your vehicle. Install the towing eyelet using the following procedure.

- 1 Take out the wheel nut wrench and towing eyelet. ( $\rightarrow$ P. 621)
- 2 Remove the eyelet cover using a flathead screwdriver.

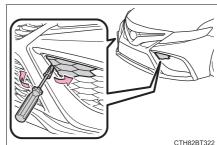
  To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.

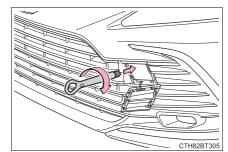


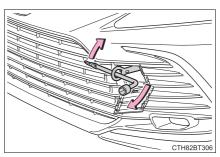


Insert the towing eyelet into the hole and tighten partially by hand.

▶ Type B







- 5 Securely attach cables or chains to the towing eyelet. Take care not to damage the vehicle body.
- 6 Vehicles without a smart entry & start system: Enter the vehicle being towed and start the engine.

If the engine does not start, turn the engine switch to the "ON" position. Vehicles with a smart entry & start system: Enter the vehicle being towed and start the engine.

If the engine does not start, turn the engine switch to IGNITION ON mode.

7 Shift the shift lever to N and release the parking brake.

Turn automatic mode off. ( $\rightarrow$ P. 273)

When the shift lever cannot be shifted: →P. 264, 270

#### **■While towing**

If the engine is not running, 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. 621)

7

## If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Toyota dealer as soon as possible.

#### Visible symptoms

- Fluid leaks under the vehicle.
   (Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- Engine coolant temperature gauge 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 engine

#### 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

To minimize the risk of fuel leakage when the engine stalls or when an airbag inflates upon collision, the fuel pump shut off system stops the supply of fuel to the engine.

Follow the procedure below to restart the engine after the system is activated.

- ▶ Vehicles without a smart entry & start system
- 1 Turn the engine switch to the "ACC" or "LOCK" position.
- 2 Restart the engine.
- ▶ Vehicles with a smart entry & start system
- 1 Turn the engine switch off.
- 2 Restart the engine.



#### ■ Before starting the engine

Inspect the ground under the vehicle.

If you find that fuel has leaked onto the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

# If a warning light turns on or a warning buzzer sounds

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Toyota dealer.

#### Warning light and warning buzzer list

Warning light	Warning light/Details/Actions		
(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 your Toyota dealer. Continuing to drive the vehicle may be dangerous.		
(Yellow)	Brake system warning light Indicates a malfunction in the electric parking brake  → Have the vehicle inspected by your Toyota dealer immediately.		
Ţ	<ul> <li>Malfunction indicator lamp         <ul> <li>Indicates a malfunction in:</li> <li>The electronic engine control system;</li> <li>The electronic throttle control system; or</li> <li>The electronic continuously variable transmission control system; or</li> <li>The electronic automatic transmission control system</li> <li>→ Have the vehicle inspected by your Toyota dealer immediately.</li> </ul> </li> </ul>		
*	<ul> <li>SRS warning light Indicates a malfunction in: <ul> <li>The SRS airbag system;</li> <li>The front passenger occupant classification system; or</li> <li>The seat belt pretensioner system</li> </ul> </li> <li>→ Have the vehicle inspected by your Toyota dealer immediately.</li> </ul>		

Warning light	Warning light/Details/Actions		
(ABS)	ABS warning light Indicates a malfunction in: • The ABS; or • The brake assist system  → Have the vehicle inspected by your Toyota dealer immediately.		
•••	Inappropriate pedal operation warning light (warning buzzer)*1  When a buzzer sounds: Indicates a malfunction in: • The Brake Override System • The Drive-Start Control • Parking Support Brake (if equipped)  → Have the vehicle inspected by your Toyota dealer immediately. • Indicates that the shift position was changed and Drive-Start Control was operated while depressing the accelerator pedal.  → Momentarily release the accelerator pedal.  When a buzzer does not sound: Indicates that the accelerator and brake pedals are being depressed simultaneously, and the Brake Override System is operating.  → Release the accelerator pedal and depress the brake pedal.		
(Flashes)	Parking brake indicator (warning buzzer)*2 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.		
HOLD (Flashes)	Brake hold operated indicator Indicates a malfunction in the brake hold system  → Have the vehicle inspected by your Toyota dealer 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 your Toyota dealer immediately.		

Warning light	Warning light/Details/Actions		
(If equipped) (Yellow)	LTA indicator (warning buzzer)*1 Indicates a malfunction in the LTA (Lane Tracing Assist) → Follow the instructions displayed on the multi-information display. (→P. 339)		
OFF (If equipped) (Flashes or illuminates)	PCS warning light  When a buzzer sounds simultaneously: Indicates a malfunction has occurred in the PCS (Pre-Collision System).  → Have the vehicle inspected by your Toyota dealer immediately.  When a buzzer does not sound: The PCS (Pre-Collision System) has become temporarily unavailable, corrective action may be necessary.  → Follow the instructions displayed on the multi-information display. (→P. 305, 597)  If the PCS (Pre-Collision System) or VSC (Vehicle Stability		
	Control) system is disabled, the PCS warning light will illuminate.  → P. 324		
OFF (If equipped) (Illuminates)	PKSB OFF indicator  When a buzzer sounds: Indicates a malfunction in the Parking Support Brake system  → Have the vehicle inspected by your Toyota dealer immediately.  When a buzzer does not sound: Indicates that the system is temporarily unavailable, possibly due to a sensor being dirty or covered with ice, etc.  → Clear the dirt, etc.		
OFF (If equipped) (Illuminates)	Toyota parking assist-sensor OFF indicator*1 Indicates a malfunction in the Toyota parking assist-sensor function  → Have the vehicle inspected by your Toyota dealer immediately. Indicates that the system is temporarily unavailable, possibly due to a sensor being dirty or covered with ice, etc.  → Clear the dirt, etc.		

Warning light	Warning light/Details/Actions		
RCD OFF (If equipped) (Flashes)	RCD OFF indicator*1  When a buzzer sounds: Indicates a malfunction in the RCD (Rear Camera Detection) function  → Have the vehicle inspected by your Toyota dealer immediately.  When a buzzer does not sound: Indicates that the function temporarily cannot be used due to the camera being dirty, etc.  → Clear the dirt, etc.		
	<ul> <li>Slip indicator Indicates a malfunction in: <ul> <li>The VSC (Vehicle Stability Control) system;</li> <li>The TRC (Traction Control) system; or</li> <li>The ABS <ul> <li>The light will flash when the VSC or TRC system is operating.</li> </ul> </li> <li>→ Have the vehicle inspected by your Toyota dealer immediately.</li> </ul> </li> </ul>		
	Low fuel level warning light Indicates that remaining fuel is approximately 9.1 L (2.4 gal., 2.0 lmp. gal.)  → Refuel the vehicle.		
Ä	Driver's and front passenger's seat belt reminder light (warning buzzer)*3  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.		
(If equipped)	Rear passengers' seat belt reminder lights (warning buzzer)*5 Warns the rear passengers to fasten their seat belts. → Fasten the seat belt.		
A	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. 597		

Warning light	Warning light/Details/Actions	
(If equipped)	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. 594)	

- \*1: This light illuminates on the multi-information display.
- \*2: 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.

- \*3: Driver's and front passenger's seat belt warning buzzer:
  - ▶ Except for GCC countries\*4, Vanuatu, Yemen and Iraq

The driver's and front passenger's seat belt warning buzzer sounds to alert the driver and front passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

▶ For GCC countries\*4, Vanuatu, Yemen and Iraq

Vehicles without a smart entry & start system:

The driver's seat belt warning buzzer sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to the "ON" position, the buzzer sounds. If the seat belt is still unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

Vehicles with a smart entry & start system:

The driver's seat belt warning buzzer sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to IGNITION ON mode, the buzzer sounds. If the seat belt is still unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

The front passenger's seat belt warning buzzer sounds to alert the front passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

- \*4: Saudi Arabia, Oman, Bahrain, United Arab Emirates, Qatar and Kuwait
- \*5: Rear passengers' seat belt warning buzzer:

The rear passengers' seat belt warning buzzer sounds to alert the rear passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time, after the seat belt is fastened and unfastened and the vehicle reaches a certain speed.

# ■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 (except for Korea)

The malfunction indicator lamp will come on if the fuel tank becomes completely empty. If the fuel tank is empty, refuel the vehicle immediately. The malfunction indicator lamp will go off after several trips.

If the malfunction indicator lamp does not go off, contact your Toyota dealer as soon as possible.

#### ■ If the malfunction indicator lamp comes on while driving (for Korea)

First check the following:

- Is the fuel tank empty?
  If it is, fill the fuel tank immediately.
- Is the fuel tank cap loose?
  If it is, tighten it securely.

The light will go off after several driving trips.

If the light does not go off even after several trips, contact your Toyota dealer as soon as possible.

#### ■ Electric power steering system warning light (warning buzzer)

When the 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 (vehicles with a tire pressure warning system)

Inspect the tires to check if a tire is punctured.

If a tire is punctured:  $\rightarrow$ P. 602, 620

If none of the tires are punctured:

Turn the engine switch off then turn it to the "ON" position (vehicle without a smart entry & start system) or IGNITION ON mode (vehicle with a smart entry & start system). 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. 534)

If the warning light does not turn off several minutes after the initialization has been performed, have the vehicle inspected by your Toyota dealer 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 your Toyota dealer immediately.

# ■The tire pressure warning light may come on due to natural causes (vehicles with a tire pressure warning system)

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

# ■When a tire is replaced with a spare tire (vehicles with a tire pressure warning system)

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 (vehicles with a tire pressure warning system)

→P. 539

#### ■ Warning buzzer

In some cases, the buzzer may not be heard because of noisy place or an audio sound.

#### $\mathbf{A}$

#### WARNING

#### ■ If both the ABS and the brake system warning lights remain on

Stop your vehicle in a safe place immediately and contact your Toyota dealer. The vehicle will become extremely unstable during braking, and the ABS system may fail, which could cause an accident resulting in death or serious injury.

#### ■When the electric power steering system warning light comes on

When the light comes on yellow, the assist to the power steering is restricted. When the light comes on red, the assist to the power steering is lost and handling operations of the steering wheel become extremely heavy. When steering wheel operations are heavier than usual, grip the steering wheel firmly and operate it using more force than usual.

If the tire pressure warning light comes on (vehicles with a tire pressure warning system)

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- Vehicles with a compact spare tire or 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 Toyota dealer.
- 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 (vehicles with a tire pressure warning system)

The tire pressure warning system may not activate immediately.



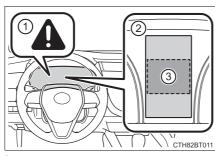
■To ensure the tire pressure warning system operates properly (vehicles with a tire pressure warning system)

Do not install tires with different specifications or makers, as the tire pressure warning system may not operate properly.

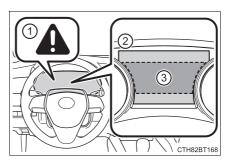
## If a warning message is displayed

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.

#### ▶ 4.2-inch display



#### ► 7-inch display



- 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 your Toyota dealer.

#### Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected by your Toyota dealer immediately.

A	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	_	Does not sound	Indicates a condition, such as mal- function 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.

<sup>\*:</sup> 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. 589)
- Malfunction in the tire pressure warning system (if equipped) The tire pressure warning light comes on. (→P. 592)
- Remaining fuel level is low The low fuel level warning light comes on. (→P. 591)

#### ■ 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 your Toyota dealer.
  Continuing to drive the vehicle may be dangerous.
  - "Low Braking Power 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 Man-
- If the following message is shown, there may be a malfunction. Immediately have the vehicle inspected by your Toyota dealer.
  - "Smart Key System Malfunction See Owner's Manual" (if equipped)
- If "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" is displayed, follow the instructions accordingly. (→P. 646)

#### ■If "Shift to P Before Exiting Vehicle" is shown

Message is displayed when the driver's door is opened without turning the engine switch off with the shift lever in any position other than P. Shift the shift lever to P.

#### ■If "Speed Limit Exceeded" is displayed (if equipped)

Indicates that vehicle speed has reached or exceeded 120 km/h (75 mph). The buzzer will stop sounding after 6 seconds or if you decelerate below 120 km/h (75 mph). (The warning message will remain displayed.) Reduce your vehicle speed.

#### ■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 engine is started, increase the engine speed slightly and maintain it at that speed for approximately 5 minutes to recharge the battery.

# ■If "A New Key has been Registered Contact Your Dealer for Details" is displayed (if equipped)

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 your Toyota dealer 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 your Toyota dealer immediately.

- The LED headlight system
- The automatic headlight leveling system (if equipped)
- AHB (Automatic High Beam) (if equipped)

#### ■If "Radar Cruise Control Unavailable See Owner's Manual" is shown

The dynamic radar cruise control with full-speed range system is suspended temporarily or until the problem shown in the message is resolved. (causes and coping methods:  $\rightarrow$ P. 305)

#### ■If "Radar Cruise Control Unavailable" is shown

The dynamic radar cruise control with full-speed range system cannot be used temporarily. Use the system when it becomes available again.

# ■If a message that indicates the malfunction of front camera is displayed (if equipped)

The following systems may be suspended until the problem shown in the message is resolved. ( $\rightarrow$ P. 305, 588)

- PCS (Pre-Collision System)
- LTA (Lane Tracing Assist)
- Dynamic radar cruise control with full-speed range
- RSA (Road Sign Assist)
- AHB (Automatic High Beam)

# ■If a message that indicates the malfunction of radar sensor is displayed (if equipped)

The following systems may be suspended until the problem shown in the message is resolved. ( $\rightarrow$ P. 305, 588)

- PCS (Pre-Collision System)
- LTA (Lane Tracing Assist)
- Dynamic radar cruise control with full-speed range

#### ■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. 595



#### NOTICE

# ■If "High Power Consumption Power to Climate Temporarily Limited" is frequently shown

There is a possible malfunction relating to the charging system or the battery may be deteriorating. Have the vehicle inspected by your Toyota dealer. Vehicles with a Heated Windshield Defroster: This message will be displayed when the Heated Windshield Defroster is operating. This is not a malfunction.

# 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. ( $\rightarrow$ P. 603)

After temporarily repairing the tire with the kit, have the tire repaired or replaced by your Toyota dealer. Repairs conducted using the emergency tire puncture repair kit are only a temporary measure. Have the tire repaired and replaced as soon as possible.

#### **MARNING**

#### ■ If you have a flat tire

Do not continue driving with a flat tire.

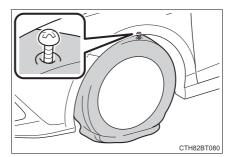
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

#### 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 engine.
- Turn on the emergency flashers. (→P. 576)
- 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.



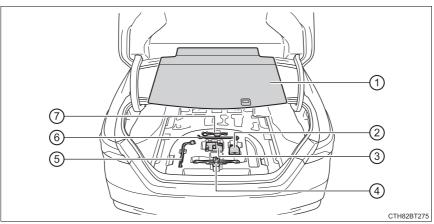
• To avoid sealant leakage, move the vehicle until the area of the puncture, if known, is positioned at the top of the tire.

# ■ A flat tire that cannot be repaired with the emergency tire puncture repair

In the following cases, the tire cannot be repaired with the emergency tire puncture repair kit. Contact your Toyota dealer.

- When the tire is damaged due to driving without sufficient air pressure
- When 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

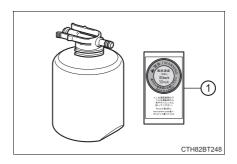


- 1 Luggage floor cover
- ② Emergency tire puncture repair kit (Bottle)
- ③ Emergency tire puncture repair kit (Compressor)
- \*: Use of the jack (→P. 623, 624)
- 4 Jack\*
- (5) Wheel nut wrench
- 6 Jack handle
- (7) Towing eyelet

### Emergency tire puncture repair kit components

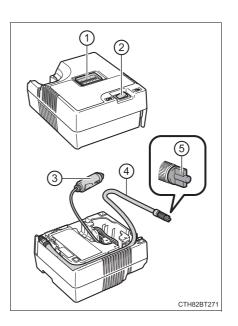
### ■ Bottle

(1) Sticker



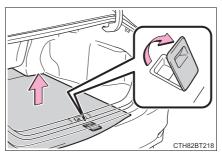
### ■ Compressor

- 1 Air pressure gauge
- ② Compressor switch
- 3 Power plug
- 4 Hose
- (5) Air release cap

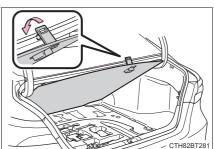


### Taking out the emergency tire puncture repair kit

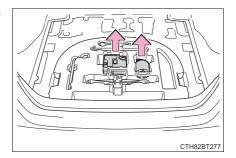
1 Lift up the hook of the luggage floor cover on the trunk floor.



2 Secure the luggage floor cover using the hook provided.

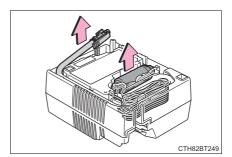


3 Remove the emergency tire puncture repair kit.



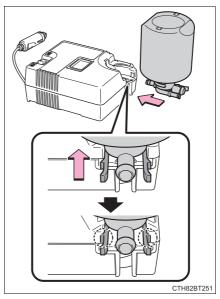
### Emergency repair method

- 1 Remove the 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.
- 2 Remove the hose and power plug from the compressor.



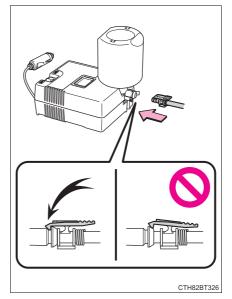
3 Connect the bottle to the compressor.

Make sure that the bottle is securely connected and craws of the bottle are hidden in the hole as shown in the illustration.

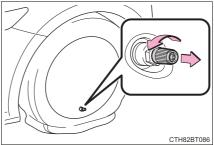


4 Connect the hose to the bottle.

Make sure that the hose is securely connected to the bottle as shown in the illustration.

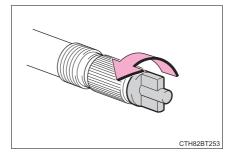


5 Remove the valve cap from the valve of the punctured tire.

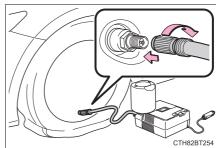


**6** Extend the hose. Remove the air release cap from the hose.

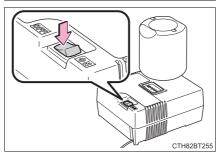
You will use the air release cap again. Therefore keep it in a safe place.



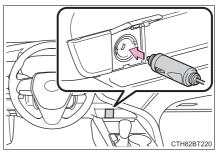
7 Connect the hose to the valve. Screw the end of hose clockwise as far as possible.



8 Make sure that the compressor switch is off.



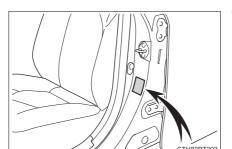
9 Connect the power plug to the power outlet socket. (→P. 477)



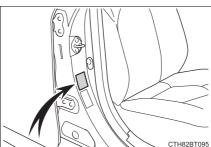
10 Attach the sticker as shown.



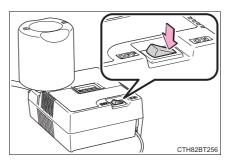
- 11 Check the specified tire inflation pressure.
  - Tire inflation pressure is specified on the label as shown. (→P. 668)
- ▶ Left-hand drive vehicles



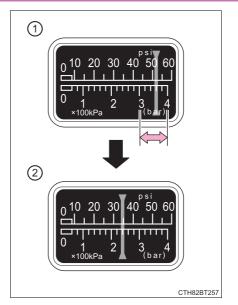
▶ Right-hand drive vehicles



- 12 Start the engine. (→P. 254, 256)
- 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/cm² or bar, 44 psi) and 400 kPa (4.0 kgf/cm² or bar, 58 psi), then gradually decrease.
  - 2 The air pressure gauge will display the actual tire inflation pressure about 1 to 5 minutes after the switch is turned on.
    - Turn the compressor switch off and then check the tire inflation pressure.
       Being careful not to over inflate, check and repeat the inflation procedure until the recommended tire inflation pressure is reached.



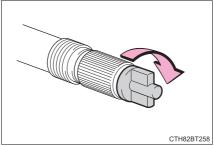
- If the tire inflation pressure is still lower than the recommended level after inflation for 25 minutes with the switch on, the tire is too damaged to be repaired. Turn the compressor switch off and contact your Toyota dealer.
- If the tire inflation pressure exceeds the recommended level, let out some air to adjust the tire inflation pressure. (→P. 615)

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.

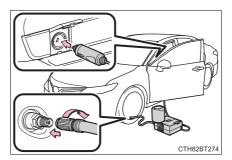
Some sealant may leak when the hose is removed.

- 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.

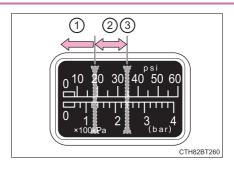
If the air release cap is not attached, the sealant may leak and the vehicle may get dirty.



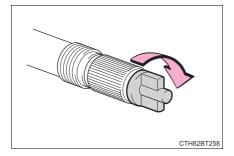
- 18 Temporarily store the bottle in the luggage compartment while it is connected to the compressor.
- 19 To spread the liquid sealant evenly within the tire, immediately drive safety for about 5 km (3 miles) below 80 km/h (50 mph).
- 20 After driving, stop your vehicle in a safe place on a hard, flat surface and reconnect the compressor.



- 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<sup>2</sup> or bar, 19 psi): The puncture cannot be repaired. Contact your Toyota dealer.



- ② If the tire inflation pressure is between 130 kPa (1.3 kgf/cm<sup>2</sup> 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 your Toyota dealer that is less than 100 km (62 miles) away for tire repair or replacement.

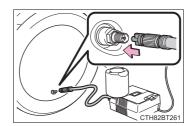
Make sure to tell your Toyota dealer when you have them repair or replace the tire that sealant is injected.

### ■ 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 your Toyota dealer. The compressor is reusable.
- The sealant can be used when the outside temperature is from -30°C (-22°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.
- 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 your Toyota dealer for replacement.

## **MARNING**

## ■ 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<sup>2</sup> 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

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Toyota dealer or other qualified service shop as soon as possible. After use of liquid sealant, make sure to replace the tire pressure warning valve and transmitter when repairing or replacing the tire. ( $\rightarrow$ P. 534)

# If you have a flat tire (vehicles with a spare

Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.

For details about tires: →P. 531

## **MARNING**

## ■ If you have a flat tire

Do not continue driving with a flat tire.

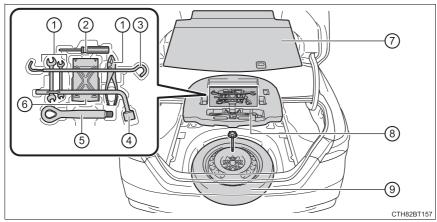
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

## 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 engine.
- Turn on the emergency flashers. (→P. 576)

## Location of the spare tire, jack and tools

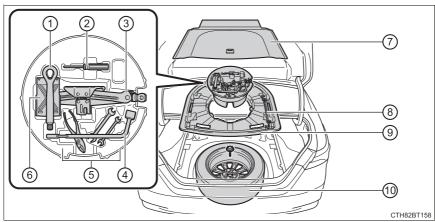
▶ Vehicles with a compact spare tire



- 1 Tools (if equipped)
- ② Screwdriver (if equipped)
- (3) Jack handle
- 4 Wheel nut wrench
- (5) Towing eyelet

- (6) Wheel block (if equipped)
- 7 Luggage floor cover
- (8) Jack
- 9 Spare tire

▶ Vehicles with a full-size spare tire



- 1 Towing eyelet
- ② Screwdriver (if equipped)
- (3) Jack
- 4 Wheel nut wrench
- (5) Tools (if equipped)
- 6 Wheel block (if equipped)
- 7 Luggage floor cover
- (8) Jack handle
- 9 Spare tire cover
- 10 Spare tire

## **MARNING**

## ■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.

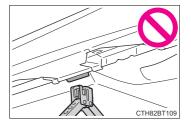
- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Put the 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 engine 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

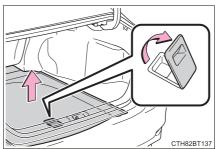
When jacking up the rear of the vehicle, make sure not to position the jack under the bracket shown in the illustration near the rear jack point, as the vehicle body may be damaged.



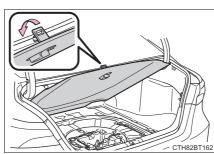
When trouble arises

## Taking out the jack

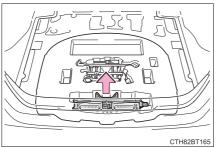
1 Lift up the hook of the luggage floor cover on the trunk floor.

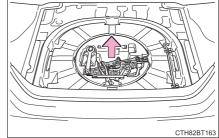


2 Secure the luggage floor cover using the hook provided.



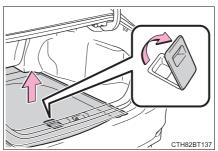
- 3 Remove the jack.
- ► Vehicles with a compact spare tire
- ► Vehicles with a full-size spare tire



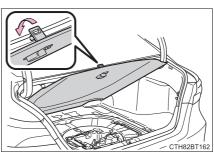


## Taking out the spare tire

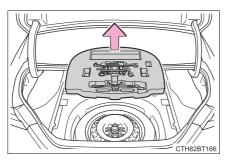
1 Lift up the hook of the luggage floor cover on the trunk floor.

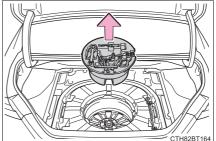


2 Secure the luggage floor cover using the hook provided.



- 3 Remove the tool tray.
- ▶ Vehicles with a compact spare tire
- ▶ Vehicles with a full-size spare tire

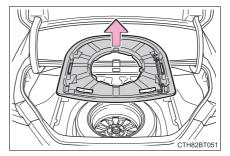




When trouble arises

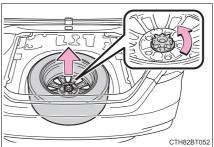
4 Vehicles with a full-size spare tire only:

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.

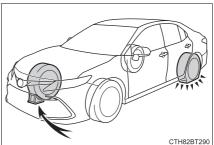


## **MARNING**

## ■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.

1 Chock the tires.

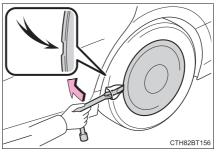


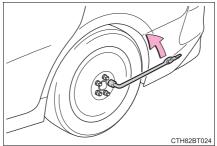
Flat tire		Wheel chock positions	
Front	Left-hand side	Behind the rear right-hand side tire	
	Right-hand side	Behind the rear left-hand side tire	
Rear	Left-hand side	In front of the front right-hand side tire	
	Right-hand side	In front of the front left-hand side tire	

2 For vehicles with steel wheels, remove the wheel ornament using the wrench.

To protect the wheel ornament, place a rag between the wrench and the wheel ornament, as shown in the illustration.

3 Slightly loosen the wheel nuts (one turn).





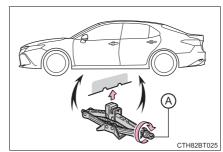
When trouble arises

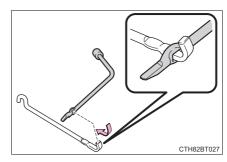
4 Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.

To prevent damage to the vehicle when using the jack, position the jack in the correct location.  $(\rightarrow P. 623)$ 

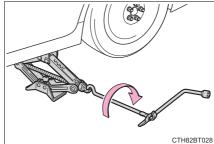
The jack point guides are located under the rocker panel. They indicate the jack point positions.

5 Assemble the jack handle.



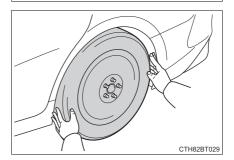


6 Raise the vehicle until the tire is slightly raised off the ground.



7 Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.



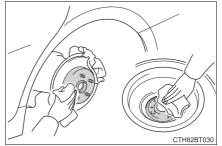
## Replacing a flat tire

- 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 your Toyota dealer
  - When installing the wheel nuts, be sure to install them with the tapered ends facing inward.

## Installing the spare tire

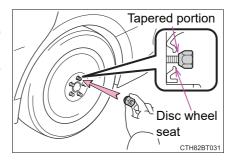
1 Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off

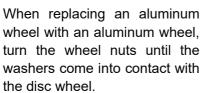


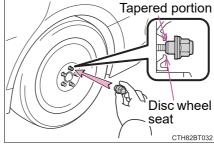
2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

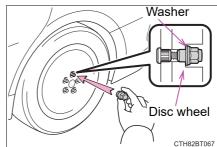
When replacing a steel wheel with a steel wheel, tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel seat.

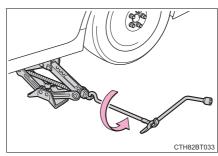


When replacing an aluminum wheel with a steel wheel, tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel seat.



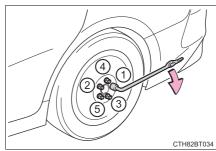






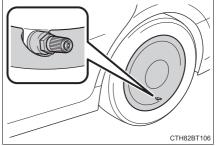
4 Firmly tighten each wheel nut two or three times in the order shown in the illustration.

Tightening torque: 103 N•m (10.5 kgf•m,76 ft•lbf)



Vehicles with a steel wheel:
When reinstalling an original
wheel or installing a full-size
spare tire, reinstall the wheel
ornament.\*

Align the cutout of the wheel ornament with the valve stem as shown.



- \*: The wheel ornament cannot be installed on the compact spare tire.
- 6 Stow the flat tire, tire jack and all tools.

#### ■ The compact spare tire (if equipped)

- The compact spare tire is identified by the label "TEMPORARY USE ONLY" on the tire sidewall.
  - Use the compact spare tire temporarily, and only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 667)

### ■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.

## **MARNING**

## ■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
- AHB (Automatic High Beam)
- Dynamic radar cruise control with full-speed range
- LTA (Lane Tracing Assist)
- PCS (Pre-Collision System)
- · Tire pressure warning system
- Toyota parking assist-sensor
- Toyota parking assist monitor
- PKSB (Parking Support Brake)
- BSM (Blind Spot Monitor)
- · Rear view monitor system

## ■ 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 (vehicles with a tire pressure warning system)
  When removing or fitting the wheels, tires or the tire pressure warning valve
  and transmitter, contact your Toyota dealer as the tire pressure warning
  valve and transmitter may be damaged if not handled correctly.
- ■To avoid damage to the tire pressure warning valve and transmitters (vehicles with a tire pressure warning system)

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Toyota dealer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. ( $\rightarrow$ P. 534)

## If the engine will not start

If the engine will not start even though correct starting procedures are being followed ( $\rightarrow$ P. 254, 256), consider each of the following points:

# The engine will not start even though the starter motor operates normally.

One of the following may be the cause of the problem:

- There may not be sufficient fuel in the vehicle's tank.
   Refuel the vehicle.
- The engine may be flooded.
   Try to restart the engine again following correct starting procedures.
   (→P. 254, 256)
- There may be a malfunction in the engine immobilizer system.
   (→P. 115)

The starter motor turns over slowly, 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:

- $\bullet$  The battery may be discharged. ( $\rightarrow$ P. 640)
- The battery terminal connections may be loose or corroded.

## The starter motor does not turn over (vehicles with a smart entry & start system)

The engine starting system may be malfunctioning due to an electrical problem such as electronic key battery depletion or a blown fuse. However, an interim measure is available to start the engine.  $(\rightarrow P. 636)$ 

## The starter motor does not turn over, 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:

- One or both of the battery terminals may be disconnected.
- The battery may be discharged. ( $\rightarrow$ P. 640)
- There may be a malfunction in the steering lock system (vehicles with a smart entry & start system).

Contact your Toyota dealer if the problem cannot be repaired, or if repair procedures are unknown.

# Emergency start function (vehicles with a smart entry & start system)

When the engine does not start, the following steps can be used as an interim measure to start the engine if the engine switch is functioning normally:

- 1 Set the parking brake.
- 2 Shift the shift lever to P.
- 3 Turn the engine switch to ACCESSORY mode.
- 4 Press and hold the engine switch for about 15 seconds while depressing the brake pedal firmly.

Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

# If the electronic key does not operate properly (vehicles with a smart entry & start system)

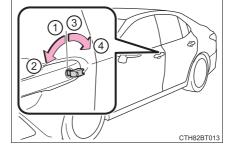
If communication between the electronic key and vehicle is interrupted ( $\rightarrow$ P. 203) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors and trunk can be opened and the engine 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. 180) in order to perform the following operations (driver's door only):

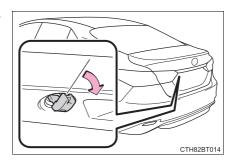
- 1 Locks all the doors
- ② Closes the windows and the moon roof\*1 or panoramic moon roof\*1 (turn and hold)\*2



- (3) Unlocks all the door
  - For Korea: Turning the key rearward unlocks the driver's door. Turning the key once again unlocks the other doors.
- (4) Opens the windows and the moon roof\*1 or panoramic moon roof\*1 (turn and hold)\*2
- \*1: If equipped
- \*2: This setting must be customized at your Toyota dealer.

### **■** Trunk

Turn the mechanical key clockwise to open.

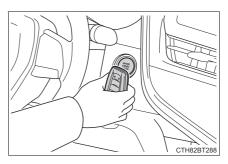


## Starting the engine

- 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 engine switch.

When the electronic key is detected, a buzzer sounds and the engine switch will turn to IGNITION ON mode.

When the smart entry & start system is deactivated in customization setting, the engine switch will turn to ACCESSORY mode.



- 3 Firmly depress the brake pedal and check that on the multi-information display.
- 4 Press the engine switch shortly and firmly.

In the event that the engine still cannot be started, contact your Toyota dealer.

## ■ Stopping the engine

Shift the shift lever to P and press the engine switch as you normally do when stopping the engine.

#### ■ 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.  $(\rightarrow P. 555)$ 

### ■ Alarm (if equipped)

On some models: 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 engine switch modes

Release the brake pedal and press the engine switch in step  $\boxed{3}$  above. The engine does not start and modes will be changed each time the switch is pressed. ( $\rightarrow$ P. 257)

#### ■ 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. 672)
- Check if battery-saving mode is set. If it is set, cancel the function.
   (→P. 202)



## When using the mechanical key and operating the power windows or the moon roof or panoramic moon roof

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

## If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.

You can also call your Toyota dealer or a qualified repair shop.

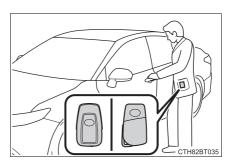
If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

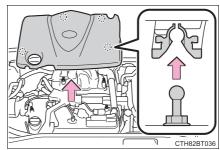
1 Vehicles with an alarm: Confirm that the electronic key (vehicles with a smart entry & start system) or key (vehicles without a smart entry & start system) is being carried.

When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked. (→P. 117)

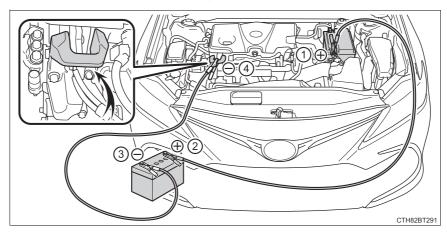
- 2 Open the hood. (→P. 513)
- 3 Vehicles with 2GR-FKS engine: Remove the engine cover.

Make sure to pull the engine cover straight up when removing it.

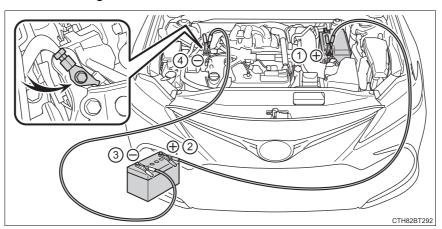




- 4 Connect the jumper cables according to the following procedure:
- ▶ A25A-FKS and M20A-FKS engines



## ▶ 2GR-FKS engine



- 1 Connect a positive jumper cable clamp to the positive (+) battery terminal on your vehicle.
- ② Connect the clamp on the other end of the positive cable to the positive (+) battery terminal on the second vehicle.
- 3 Connect a negative cable clamp to the negative (-) battery terminal on the second vehicle.
- (4) Connect the clamp at the other end of the negative cable to a solid, stationary, unpainted metallic point away from the battery and any moving parts, as shown in the illustration.

- 5 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.
- 6 Vehicles with a smart entry & start system: Open and close any of the doors of your vehicle with the engine switch off.
- 7 Vehicles without a smart entry & start system:

  Maintain the engine speed of the second vehicle and turn the engine switch to the "ON" position, then start the vehicle's engine.

Vehicles with a smart entry & start system:

- Maintain the engine speed of the second vehicle and turn the engine switch to IGNITION ON mode, then start the vehicle's engine.
- 8 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order from which they were connected.

Once the engine starts, have the vehicle inspected at your Toyota dealer as soon as possible.

## ■ Starting the engine when the battery is discharged

The engine cannot be started by push-starting.

#### ■ To prevent battery discharge

- Turn off the headlights and the audio system while the engine 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 battery is removed or discharged

- Information stored in the ECU is cleared. When the battery is depleted, have the vehicle inspected at your Toyota dealer.
- Some systems may require initialization. (→P. 682)

## ■When removing the battery terminals

When the battery terminals are removed, the information stored in the ECU is cleared. Before removing the battery terminals, contact your Toyota dealer.

### ■ Charging the battery

The electricity stored in the battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the battery may discharge, and the engine may be unable to start. (The battery recharges automatically during driving.)

## ■When recharging or replacing the battery (vehicles with a smart entry & start system)

- In some cases, it may not be possible to unlock the doors using the smart entry & start system when the battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The engine may not start on the first attempt after the battery has recharged but will start normally after the second attempt. This is not a malfunction.
- The engine switch mode is memorized by the vehicle. When the battery is reconnected, the system will return to the mode it was in before the battery was discharged. Before disconnecting the battery, turn the engine switch off. If you are unsure what mode the engine switch was in before the battery discharged, be especially careful when reconnecting the battery.

## ■When replacing the battery

- Use a battery that conforms to European regulations.
- Use a battery with the same case size, equivalent or greater 20 hour rate capacity (20HR), and equivalent or greater performance rating (CCA) as the battery which is being replaced.

	Case size	20 hour rate capacity (20HR)	Performance rating (CCA)
Type A	LN2	58Ah	345A
Type B	LN2	60Ah	360A
Type C	LN3	70Ah	600A

The case size, 20 hour rate capacity (20HR) and performance rating (CCA) are specified on the label attached to the battery.

- If the sizes differ, the 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 battery may discharge and the engine may not be able to start.
- For details, consult your Toyota dealer.

## **⚠** WARNING

## ■When removing the battery terminals

Always remove the negative (-) terminal first. If the positive (+) terminal contacts any metal in the surrounding area when the positive (+) terminal is removed, a spark may occur, leading to a fire in addition to electrical shocks and death or serious injury.

## Avoiding battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the 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 battery.

## **MARNING**

## ■ Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery:

- When working with the 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 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 battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.



### NOTICE

#### ■When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fan or engine drive belt.

## If your vehicle overheats

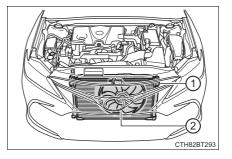
## The following may indicate that your vehicle is overheating.

- The needle of the engine coolant temperature gauge (→P. 130) enters the red zone or a loss of engine power is experienced. (For example, the vehicle speed does not increase.)
- "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" is shown on the multi-information display.
- Steam comes out from under the hood.

## **Correction procedures**

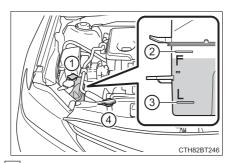
- 1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the engine.
- 2 If you see steam:
  Carefully lift the hood after the steam subsides.
  If you do not see steam:
  Carefully lift the hood.
- 3 After the engine has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.
  - (1) Radiator
  - (2) Cooling fan

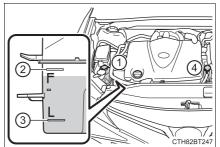
If a large amount of coolant leaks, immediately contact your Toyota dealer.



- 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
- ▶ Except 2GR-FKS engine

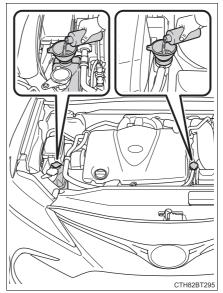
#### ▶ 2GR-FKS engine





- 5 Add coolant if necessary.
  - Water can be used in an emergency if coolant is unavailable.
- ▶ Except 2GR-FKS engine
- ▶ 2GR-FKS engine





6 Start the engine 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 engine immediately and contact your Toyota dealer.

If the fan is operating:

Have the vehicle inspected at the nearest Toyota dealer.

#### **MARNING**

## ■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.
- Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fan and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.
- Do not loosen the radiator cap and the coolant reservoir cap while the engine and radiator are hot.

High temperature steam or coolant could spray out.

#### **⚠** NOTICE

#### ■When adding engine coolant

Wait until the engine has cooled down before adding engine coolant. When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

#### ■ 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.

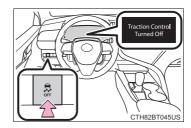
## If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

- 1 Stop the engine. 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 engine.
- 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.



- 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 (19.23 in.) *2 4905 mm (193.1 in.) *3 4880 mm (192.1 in.) *4
Overall width		1840 mm (72.4 in.)	
Overall height*1		1445 mm (56.8 in.) *5 1455 mm (57.3 in.) *6	
Wheelbase			2825 mm (111.2 in.)
Tread*1	Front	16-inch tires	1600 mm (63.0 in.) *7 1595 mm (62.8 in.) *8
		17-inch tires	1590 mm (62.6 in.) *9 1585 mm (62.4 in.) *10
		18-inch tires	1580 mm (62.2 in.) *11 1575 mm (62.0 in.) *12
	Rear	16-inch tires	1610 mm (63.4 in.) *7 1605 mm (63.2 in.) *8
		17-inch tires	1600 mm (63.0 in.) *9 1595 mm (62.8 in.) *10
		18-inch tires	1590 mm (62.6 in.) *11 1585 mm (62.4 in.) *12

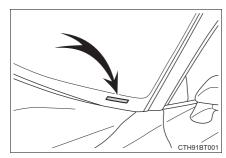
- \*1: Unladen vehicles
- \*2: AXVA70L-AEZDBV, AXVA70L-AEZNBV, GSV70L-AEZGBV, AXVA70L-AEZNBW (except for Korea), GSV70L-AEZGBW, AXVA70R-AEZNBW, MXVA71L-AEXDBR, MXVA71L-REXNBX, AXVA70L-REZNBX and GSV70LREZGBX models\*13
- \*3: AXVA70L-AEZSBV and GSV70L-AEZSBV models\*13
- \*4: AXVA70L-AEZNBW (for Korea) models\*13
- \*5: AXVA70L-AEZDBV (except for Yemen), AXVA70L-AEZNBV (except for Yemen and Vanuatu), AXVA70L-AEZSBV, GSV70L-AEZGBV, GSV70L-AEZSBV, AXVA70L-AEZNBW (for Korea) and MXVA71L-AEXDBR models\*13
- \*6: AXVA70L-AEZDBV (for Yemen), AXVA70L-AEZNBV (for Yemen and Vanuatu), AXVA70L-AEZNBW (except for Korea), GSV70L-AEZGBW, AXVA70R-AEZNBW, MXVA71L-REXNBX, AXVA70L-REZNBX and GSV70L-REZGBX models\*13
- \*7: AXVA70L-AEZDBV (except for Yemen) and MXVA71L-AEXDBR models\*13
- \*8: AXVA70L-AEZDBV (for Yemen), AXVA70L-AEZNBW and AXVA70R-AEZNBW models\*13
- \*9: AXVA70L-AEZDBV (except for Yemen), AXVA70L-AEZNBV (except for Yemen and Vanuatu), AXVA70L-AEZNBW (for Korea) and MXVA71L-AEXDBR models\*13
- \*10: AXVA70L-AEZDBV (for Yemen), AXVA70L-AEZNBV (for Yemen and Vanuatu), AXVA70L-AEZNBW (except for Korea), GSV70L-AEZGBW, AXVA70R-AEZNBW, MXVA71L-REXNBX, AXVA70L-REZNBX and GSV70L-REZGBX models\*13
- \*11: AXVA70L-AEZSBV, GSV70L-AEZGBV, GSV70L-AEZSBV and AXVA70L-AEZNBW (for Korea) models\*13
- \*12: AXVA70L-AEZNBW (except for Korea), GSV70L-AEZGBW, AXVA70R-AEZNBW, AXVA70L-REZNBX and GSV70L-REZGBX models\*13
- \*13: The model code is indicated on the manufacturer's label or the Certification Regulation label. (→P. 654)

#### Vehicle identification

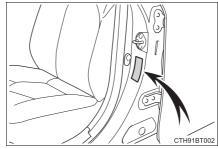
#### ■ Vehicle identification number

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.

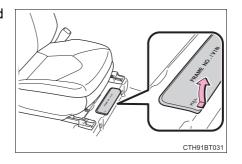


This number is also on the manufacturer's label\*1 or the Certification Regulation label\*2.



- \*1: Except for GCC countries\*3, Yemen, Iraq, Jordan and Lebanon
- \*2: For GCC countries\*3, Yemen, Iraq, Jordan and Lebanon
- \*3: Saudi Arabia, Oman, Bahrain, United Arab Emirates, Qatar and Kuwait

This number is also stamped under the right-hand front seat.

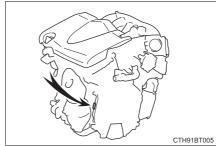


- \*: Saudi Arabia, Oman, Bahrain, United Arab Emirates, Qatar and Kuwait
- **■** Engine number

The engine number is stamped on the engine block as shown.

- ► A25A-FKS and M20A-FKS engines
- ▶ 2GR-FKS engine





## Engine

## ▶ A25A-FKS engine

Model	A25A-FKS
Туре	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	87.5 ×103.4 mm (3.44 × 4.07 in.)
Displacement	2487 cm <sup>3</sup> (151.8 cu. in.)
Valve clearance	Automatic adjustment
Drive belt tension	Automatic adjustment
Maximum vehicle speed*1	210 km/h (130 mph)
Maximum torque (NET)*1	243 N•m @ 5000 rpm
Maximum power (NET)*1	152 kW @ 6600 rpm

<sup>\*1:</sup> For vehicles with model code\*2 that has "V" as the last letter

#### ▶ M20A-FKS engine

Model	M20A-FKS
Туре	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	80.5 × 97.6 mm (3.17 × 3.84 in.)
Displacement	1987 cm <sup>3</sup> (121.3 cu. in.)
Valve clearance	Automatic adjustment
Drive belt tension	Automatic adjustment

<sup>\*2:</sup> The model code is indicated on the manufacturer's label or the Certification Regulation label. ( $\rightarrow$ P. 654)

## ▶ 2GR-FKS engine

Model	2GR-FKS
Туре	6-cylinder V type, 4-cycle, gasoline
Bore and stroke	94.0 × 83.0 mm (3.70 × 3.27 in.)
Displacement	3456 cm <sup>3</sup> (210.9 cu. in.)
Valve clearance	Automatic adjustment
Drive belt tension	Automatic adjustment
Maximum vehicle speed*1	220 km/h (137.5 mph)
Maximum torque (NET)*1	356 N•m @ 4700 rpm
Maximum power (NET)*1	222 kW @ 6600 rpm

<sup>\*1:</sup> For vehicles with model code\*2 that has "V" as the last letter

<sup>\*2:</sup> The model code is indicated on the manufacturer's label or the Certification Regulation label.  $(\rightarrow P. 654)$ 

#### Fuel

Fuel type	Unleaded gasoline only
Research octane number	91 (octane rating 87) or higher
	▶ A25A-FKS (except for Korea), M20A-FKS and 2GR-FKS engine
Fuel tank capacity (Reference)	60 L (15.9 gal., 13.2 lmp. gal.) ▶ A25A-FKS (for Korea) engine
	60.6 L (16.0 gal., 13.3 lmp. gal.)

#### Lubrication system

#### ▶ A25A-FKS engine

	4.5 L (4.8 qt., 4.0 lmp. qt.) 4.2 L (4.4 qt., 3.7 lmp. qt.)
--	--

#### ▶ M20A-FKS engine

Oil capacity (Drain and refill — reference*)	
With filter	4.3 L (4.5 qt., 3.8 lmp. qt.)
Without filter	3.9 L (4.1 qt., 3.4 lmp. qt.)

<sup>\*:</sup> The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up the engine and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

#### **■** Engine oil selection

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

Oil grade:

0W-16:

API grade SN "Resource-Conserving", SN PLUS "Resource-Conserving" or SP "Resource-Conserving"; or ILSAC GF-6B multigrade engine oil

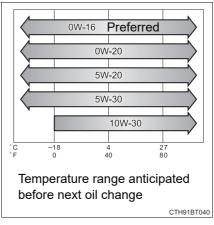
0W-20, 5W-20, 5W-30 and 10W-30:

API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving", SN PLUS "Resource-Conserving" or SP "Resource-Conserving"; or ILSAC GF-6A multigrade engine oil

Recommended viscosity (SAE):

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 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, 5W-20 or 5W-30 engine oil is recommended.



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 SP" means the oil quality designation by American Petroleum Institute (API). Center portion: "SAE 0W-16" means the SAE viscosity grade. portion: "Resource-Lower 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.

#### ▶ 2GR-FKS engine

Oil capacity (Drain and refill — reference*)	
With filter	<ul> <li>Without engine oil cooler</li> <li>5.4 L (5.7 qt., 4.8 lmp. qt.)</li> <li>With engine oil cooler</li> <li>5.5 L (5.8 qt., 4.8 lmp. qt.)</li> </ul>
Without filter	5.3 L (5.6 qt., 4.7 lmp. qt.)

<sup>\*:</sup> The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up the engine and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

#### **■** Engine oil selection

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

#### Oil grade:

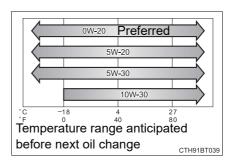
0W-20, 5W-20, 5W-30 and 10W-30:

API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving", SN PLUS "Resource-Conserving" or SP "Resource-Conserving"; or ILSAC GF-6A multigrade engine oil

#### Recommended viscosity (SAE):

SAE 0W-20 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 0W-20, 5W-20 or 5W-30 engine oil is recommended



Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

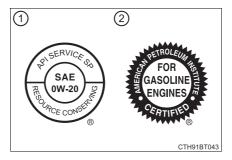
How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.

#### 1 API Service Symbol

Top portion: "API SERVICE SP" means the oil quality designation by American Petroleum Institute (API).

Center portion: "SAE 0W-20" means the SAE viscosity grade. Lower portion: "Resource-Conserving" means that the oil has fuel-saving and environmental protection capabilities.



#### (2) ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

## Cooling system

Capacity (Reference)	<ul> <li>A25A-FKS and M20A-FKS engines</li> <li>6.9 L (7.3 qt., 6.1 Imp. qt.)</li> <li>2GR-FKS engine</li> <li>9.4 L (9.9 qt., 8.3 Imp. qt.) *1</li> <li>8.6 L (9.1 qt., 7.6 Imp. qt.) *2</li> </ul>
Coolant type	Use either of the following:

<sup>\*1:</sup> For GCC countries\*3, Curacao, Azerbaijan and Georgia

<sup>\*2:</sup> For Russia, Kazakhstan, Kyrgyzstan and Armenia

<sup>\*3:</sup> Saudi Arabia, Oman, Bahrain, United Arab Emirates, Qatar and Kuwait

## Ignition system

Spark plug	
Make	► A25A-FKS engine DENSO FC16HR-Q8 ► M20A-FKS engine DENSO FC20HR-Q8 ► 2GR-FKS engine DENSO FK20HBR8
Gap	▶ A25A-FKS and 2GR-FKS engine 0.8 mm (0.031 in.)



#### ■ Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust spark plug gap.

## Electrical system

Battery	
Specific voltage reading at 20°C (68°F):	12.3 V or higher If the voltage is lower than the standard value, charge the battery. (When checking the voltage, after turning the engine switch off, wait for 30 seconds with the high beam headlights illuminated, then turn the high beam headlights off and check the voltage.)
Specific gravity reading at 20°C (68°F):	1.25 or higher If the specific gravity is lower than the standard value, charge the battery.
Charging rates	
Quick charge Slow charge	15 A max. 5 A max.

#### Automatic transaxle

Fluid capacity*	➤ A25A-FKS engine 7.3 L (7.7 qt., 6.4 Imp. qt.) ➤ 2GR-FKS engine 7.5 L (7.9 qt., 6.6 Imp. qt.)
Fluid type	Toyota Genuine ATF WS

<sup>\*:</sup> The fluid capacity is a reference quantity.

If replacement is necessary, contact your Toyota dealer.

## **⚠** NOTICE

#### ■Transmission fluid type

Using transmission fluid other than the above type may cause abnormal noise or vibration, or damage the transmission of your vehicle.

### Continuously variable transaxle

Fluid capacity*	► M20A-FKS 8.54 L
Fluid type	Toyota Genuine CVTF FE

<sup>\*:</sup> The fluid capacity is a reference quantity.

If replacement is necessary, contact your Toyota dealer.

#### **⚠** NOTICE

#### ■ Continuously variable transmission fluid type

Using CVT (Continuously Variable Transaxle) fluid other than the above type may cause abnormal noise or vibration, or damage the CVT (Continuously Variable Transaxle) of your vehicle.

#### **Brakes**

	▶ A25A-FKS and M20A-FKS engine	
Pedal clearance*1	81 mm (3.2 in.) ▶ 2GR-FKS engine (except for GCC countries*2)	
i edal cicarance	81 mm (3.2 in.) ▶ 2GR-FKS engine (for GCC countries*2)	
	79 mm (3.1 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	

<sup>\*1:</sup> Minimum pedal clearance when depressed with a force of 300 N (31 kgf, 67 lbf) while the engine is running.

<sup>\*2:</sup> Saudi Arabia, Oman, Bahrain, United Arab Emirates, Qatar and Kuwait

## Steering

Free play	Less than 30 mm (1.2 in.)

## Tires and wheels (for Korea)

#### ▶ 17-inch tires

Tire manufacturer	Bridgestone	Michelin
Tire rolling resistance rating (5 levels)*	3	4
Tire wet grip rating (5 levels)*	4	3
Tire size	215/55R17 94V	
Tire inflation pressure (Recommended cold tire inflation pressure)	240 kPa (2.4 kgf/cm <sup>2</sup> or bar, 35 psi)	
Wheel size	17 × 7 1/2J	
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)	

<sup>\*:</sup> A rating closer to "1" indicates higher performance.

#### ▶ 18-inch tires

Tire manufacturer	Bridgestone
Tire rolling resistance rating (5 levels)*	3
Tire wet grip rating (5 levels)*	3
Tire size	235/45R18 94V
Tire inflation pressure (Recommended cold tire inflation pressure)	240 kPa (2.4 kgf/cm <sup>2</sup> or bar, 35 psi)
Wheel size	18 × 8 J
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

<sup>\*:</sup> A rating closer to "1" indicates higher performance.

## ► Compact spare tire

Tire size	T155/70D17 110M
Spare tire inflation pressure (Recommended cold tire inflation pressure)	420 kPa (4.2 kgf/cm <sup>2</sup> or bar, 60 psi)
Wheel size	17 × 4 T
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

## Tires and wheels (except for Korea)

#### ▶ 16-inch tires

Tire size	205/65R16 95H		
Tire inflation pres-	Vehicle speed	kPa (kgf/cm <sup>2</sup> or bar, psi)	
(Recommended cold tire inflation	More than 160 km/h (99 mph)	270 (2.7, 39)	
pressure)	160 km/h (99 mph) or less 240 (2.4, 35)		
Wheel size	16 × 6 1/2J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

#### ▶ 17-inch tires

Tire size	215/55R17 94V		
sure	Vehicle speed	kPa (kgf/cm <sup>2</sup> or bar, psi)	
(Recommended cold tire inflation	More than 160 km/h (99 mph)	270 (2.7, 39)	
pressure)	160 km/h (99 mph) or less	240 (2.4, 35)	
Wheel size	17 × 7 1/2J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

#### ▶ 18-inch tires

Tire size	235/45R18 94W		
Tire inflation pres-	Vehicle speed	kPa (kgf/cm <sup>2</sup> or bar, psi)	
(Recommended cold tire inflation pressure)	More than 190 km/h (118 mph)	270 (2.7, 39)	
	190 km/h (118 mph) or less	240 (2.4, 35)	
Wheel size	18 × 8J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

## ▶ Compact spare tire (if equipped)

Tire size	T155/70D17 110M
Spare tire inflation pressure (Recommended cold tire inflation pressure)	420 kPa (4.2 kgf/cm <sup>2</sup> or bar, 60 psi)
Wheel size	17 × 4 T
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

## Light bulbs\*1

	Light bulbs	W	Туре
Front turn signal lights (bulb type)		21	Α
Exterior	Rear turn signal lights (bulb type)	21	Α
Back-up lights (bulb type)		16	В
Rear interior light*2		8	С
Interior	nterior Door courtesy lights*2		В
Trunk light		5	В

A: Wedge base bulbs (amber)

B: Wedge base bulbs (clear)

C: Double end bulbs

<sup>\*1:</sup> Light bulbs not listed in this table are LED bulbs.

<sup>\*2:</sup> If equipped

## **Fuel information**

You must only use unleaded gasoline.

Select unleaded gasoline with a Research Octane Number of 91 (octane rating 87) or higher for optimum engine performance.

#### ■ Use of ethanol blended gasoline in a gasoline engine

Toyota allows the use of ethanol blended gasoline where the ethanol content is up to 10%. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

#### ■If your engine knocks

- Consult your Toyota dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.



#### ■ Notice on fuel quality

- Do not use improper fuels. If improper fuels are used the engine will be damaged.
- Do not use gasoline with metallic additives, for example manganese, iron or lead, otherwise it may cause damage on your engine or emission control system.
- Do not add aftermarket fuel additives which contain metallic additives.
- Do not use the methanol blended gasoline such as M15, M85, M100.
  The use of gasoline containing methanol may cause engine damage or failure.

## **Customizable features**

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. The settings of these features can be changed using the multi-information display, on the audio system screen, or at your Toyota dealer.

#### 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 (vehicles with a navigation/multimedia system)
  - 1 Press the "MENU" button.
  - 2 Select "Setup" on the "Menu" screen.
  - 3 Select "Vehicle" on the "Setup" screen.
- 4 Select "Vehicle customization".

Various setting can be changed. Refer to the list of settings that can be changed for details.

■ Changing using the multi-information display

→P. 139, 154

#### Customizable features

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

- 1 Settings that can be changed on the audio system screen (vehicles with a navigation/multimedia system)
- ② Settings that can be changed by your Toyota dealer Definition of symbols: O = Available, = Not available
- Gauges, meters and multi-information display (→P. 130, 134, 147)

Function	Default setting	Customized setting	1	2
Units*	km (L/100 km)	km (km/L)	0	_
Convenience services (Suggestion function)	On	On (when the vehicle is stopped)	0	0
		Off		

<sup>\*:</sup> The default setting varies according to country.

## ■ Door lock (→P. 185, 195, 637)

Function	Default setting	Customized setting	1	2
Unlocking using the key*1	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two steps		0
Speed linked door locking function*2	On	Off	0	0
Shift position linked door locking function*2	Off	On	0	0
Shift position linked door unlocking function*1, 2	Off	On	0	0
Driver's door linked door unlocking function*2	Off	On	0	0
Locking/unlocking of the trunk when all doors are locked/unlocked*2	On	Off	_	0

<sup>\*1:</sup> The default setting varies according to country.

<sup>\*2:</sup> If equipped

# ■ Smart entry & start system\*1 and wireless remote control (→P. 185, 195, 200)

Function	Default setting	Customized setting	1	2
Operation buzzer volume*2	5	Off to 7	0	0
Operation signal (Emergency flashers)	On	Off	0	0
Time elapsed before automatic door lock function is activated if	30 seconds	60 seconds	0	0
door is not opened after being unlocked	30 seconds	120 seconds		
Open door warning buzzer	On	Off	_	0

<sup>\*1:</sup> If equipped

<sup>\*2:</sup> On some models

## ■ Smart entry & start system\*1 (→P. 185, 195, 200)

Function	Default setting	Customized setting	1	2
Smart entry & start system	On	Off	_	0
Smart door unlocking*1, 2	All the doors	Driver's door	0	0
Time elapsed before unlocking all the door when gripping and holding the driver's door handle*1, 2	Off	2 seconds		0
Number of consecutive door lock operations	2 times	As many as desired	_	0

<sup>\*1:</sup> If equipped

## ■ Wireless remote control (→P. 178, 185, 195)

Function	Default setting	Customized setting	1	2
Wireless remote control	On	Off	_	0
Unlocking operation*1	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two steps	0	0
		One short press		
Trunk unlocking opera-	Press and hold	old Push twice		0
tion	(short)	Press and hold (long)		
		Off		
Panic function*2	On	Off	_	0

<sup>\*1:</sup> The default setting varies according to country.

<sup>\*2:</sup> The default setting varies according to country.

<sup>\*2:</sup> If equipped

Function	Default setting	Customized setting	1	2
Key linked operation	Off	On	—	0
Wireless remote control linked operation*2	Off	On	_	0
Wireless remote control linked operation signal (buzzer)*2	On	Off	_	0

<sup>\*1:</sup> If equipped

## ■ Moon roof\* (→P. 232)

Function	Default setting	Customized setting	1	2
Linked operation of com- ponents when mechani- cal key is used	Slide only	Tilt only		0
Linked operation of com- ponents when wireless remote control is used	Slide only	Tilt only		0

<sup>\*:</sup> If equipped

## ■ Driving position memory\* (→P. 212)

Function	Default setting	Customized setting	1	2
Selecting doors linked to the memory recall function	Driver's door	All doors	_	0

<sup>\*:</sup> If equipped

<sup>\*2:</sup> Except for Korea

## ■ Steering wheel\* (→P. 219)

Function	Default setting	Customized setting	1	2
Auto tilt away function		Telescopic only		
	Tilt only	Tilt & telescopic	О	0
		Off		

<sup>\*:</sup> Vehicles with power adjustment steering wheel

## ■ Outside rear view mirrors (→P. 223)

Function	Default setting	Customized setting	1	2
Automatic mirror folding	Linked to the	Off		
and extending opera- tion*	locking/unlock- ing of the doors	Linked to operation of the engine switch	_	0

<sup>\*:</sup> On some models

## ■ Automatic light control system (→P. 279)

Function	Default setting	Customized setting	1	2
Light sensor sensitivity	Standard	-2 to 2	0	0
Time elapsed before the headlights automatically come on*	Standard	Long		0
Time elapsed before headlights automatically turn off after doors are		Off		
	30 seconds	60 seconds		0
closed*		90 seconds		

<sup>\*:</sup> On some models

Function	Default setting	Customized setting	1	2
Buzzer volume	2	1 to 3	_	0

<sup>\*:</sup> If equipped

## ■ BSM (Blind Spot Monitor)\* (→P. 376)

Function	Default setting	Customized setting	1	2
Outside rear view mirror indicator brightness	Bright	Dim	_	0
Notification timing for presence of approaching vehicle (sensitivity)	Middle	Early		0
		Late		
		Only when vehicle detected in blind spot		

<sup>\*:</sup> If equipped

## ■ RCTA (Rear Cross Traffic Alert)\* (→P. 398)

Function	Default setting	Customized setting	1	2
Buzzer volume	2	1 to 3	—	0

<sup>\*:</sup> If equipped

## ■ Automatic air conditioning system\* (→P. 447)

Function	Default setting	Customized setting	1	2
Switching between outside air and recirculated air mode linked to "AUTO" switch operation	Auto	Manual	0	0
A/C auto switch operation	Auto	Manual	0	0

<sup>\*:</sup> If equipped

## ■ Illumination (→P. 463)

Function	Default setting	Customized setting	1	2
		Off		
Time elapsed before lights turn off	15 seconds	7.5 seconds	0	0
3		30 seconds		
Vehicles without smart entry & start system: Operation after the engine switch turned to the "LOCK" position Vehicles with smart entry & start system: Operation after the engine switch turned off	On	Off	_	0
Operation when the doors are unlocked	On	Off	_	0
Operation when you approach the vehicle with the electronic key on your person*1	On	Off		0
Footwell lights*2	On	Off	_	0
Instrument panel ornament light* <sup>2</sup> and inside door handle lights* <sup>2</sup>	On	Off	_	0

<sup>\*1:</sup> Vehicles with a smart entry & start system

<sup>\*2:</sup> If equipped



#### ■ During customization

As the engine needs to be running 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.

### $\Lambda$

#### NOTICE

#### ■ During customization

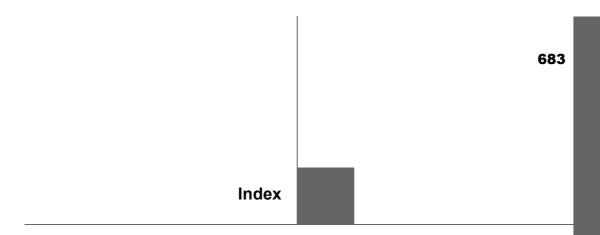
To prevent battery discharge, ensure that the engine is running while customizing features.

## Items to initialize

The following item must be initialized for normal system operation after such cases as the battery being reconnected, or maintenance being performed on the vehicle:

Item	When to initialize	Reference
Tire pressure warning system*	<ul> <li>When the tire inflation pressure is changed such as when changing traveling speed or load weight</li> <li>When the tire inflation pressure is changed such as when the tire size is changed</li> <li>When rotating the tires</li> <li>After performing the transmitter ID code registration procedure</li> </ul>	P. 534

<sup>\*:</sup> If equipped



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

- Navigation system
- · Audio/visual system
- Rear view monitor system
- Toyota parking assist monitor
- Panoramic view monitor

## What to do if... (Troubleshooting)

If you have a problem, check the following before contacting your Toyota dealer.

### The doors cannot be locked, unlocked, opened or closed



### You lose your keys

- If you lose your keys or mechanical keys, new genuine keys or mechanical keys can be made by your Toyota dealer. (→P. 181)
- If you lose your keys or electronic keys, the risk of vehicle theft increases significantly. Contact your Toyota dealer immediately. (→P. 184)



## The doors cannot be locked or unlocked

- Is the key battery weak or depleted? ( $\rightarrow$ P. 555)
- Vehicles with a smart entry & start system: Is the engine switch in IGNITION ON mode? When locking the doors, turn the engine switch off. (→P. 257)
- Vehicles with a smart entry & start system:
   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. 182, 203)



## 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. 190)



# The trunk lid is closed with the electronic key left inside (vehicles with a smart entry & start system)

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. 197)

## If you think something is wrong



# The engine does not start (vehicles without a smart entry & start system)

- Is the shift lever in P? ( $\rightarrow$ P. 258)
- Is the steering wheel unlocked? (→P. 254)
- Is the battery discharged? (→P. 640)



# The engine does not start (vehicles with a smart entry & start system)

- Did you press the engine switch while firmly depressing the brake pedal?
   (→P. 256)
- Is the shift lever in P? ( $\rightarrow$ P. 258)
- Is the electronic key anywhere detectable inside the vehicle? (→P. 201)
- Is the steering wheel unlocked? (→P. 258)
- Is the electronic key battery weak or depleted? In this case, the engine can be started in a temporary way. (→P. 638)
- Is the battery discharged? (→P. 640)

# (P)

## The shift lever cannot be shifted from P even if you depress the brake pedal

Vehicles without a smart entry & start system:

Is the engine switch in the "ON" position?

If you cannot release the shift lever by depressing the brake pedal with the engine switch in the "ON" position. ( $\rightarrow$ P. 264, 270)

Vehicles with a smart entry & start system:

Is the engine switch in IGNITION ON mode?

If you cannot release the shift lever by depressing the brake pedal with the engine switch in IGNITION ON mode. (→P. 264, 270)



# The steering wheel cannot be turned after the engine is stopped

Vehicles without a smart entry & start system:
 It is locked to prevent theft of the vehicle if the key is pulled from the engine switch. (→P. 255)

Vehicles with a smart entry & start system: It is locked automatically to prevent theft of the vehicle.  $(\rightarrow P. 258)$ 



# 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. 227)



# The engine switch is turned off automatically (vehicles with a smart entry & start system)

 The auto power off function will be operated if the vehicle is left in ACCES-SORY or IGNITION ON mode (the engine is not running) for a period of time. (→P. 258)



## 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. 591)
- The parking brake indicator is on Is the parking brake released? (→P. 273)

Depending on the situation, other types of warning buzzer may also sound.  $(\rightarrow P. 588, 597)$ 



# 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. 117)

Do one of the following to stop the alarm:

- ▶ Vehicles without a smart entry & start system
  - Unlock the doors or open the trunk using the wireless remote control.
  - Start the engine.
- ▶ Vehicles with a smart entry & start system (except for Hong Kong and Macao)
  - Unlock the doors or open the trunk using the entry function (if equipped) or wireless remote control.
  - · Start the engine.
- ▶ Vehicles with a smart entry & start system (for Hong Kong and Macao)
  - · Unlock the doors.
  - Open the trunk using the entry function or wireless remote control.
  - Turn the engine switch to ACCESSORY or IGNITION ON mode, or start the engine.



# A warning buzzer sounds when leaving the vehicle (vehicles with a smart entry & start system)

■ Is the message displayed on the multi-information display? Check the message on the multi-information display. (→P. 597)



### 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. 588, 597.

## 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. 602)
- Vehicles with spare tire: Stop the vehicle in a safe place and replace the flat tire with the spare tire. (→P. 620)



## The vehicle becomes stuck

Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P. 649)

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<sup>\*:</sup> Refer to the "Navigation and Multimedia System Owner's Manual".

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<sup>\*:</sup> Refer to the "Navigation and Multimedia System Owner's Manual".

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<sup>\*:</sup> Refer to the "Navigation and Multimedia System Owner's Manual".

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<sup>\*:</sup> Refer to the "Navigation and Multimedia System Owner's Manual".

# **Certifications**

## ▶ Immobilizer system

This product has been Type Approved by Jamaica: SMA, Equipment identifier is placed on the product.

### FCC ID: MOZRI-57BTY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### FCC ID: NI4TMIMB-3

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

상호명/제조자 기자재의 명칭(모델명) 제조년월/제조국 시변분호

: Toyota Motor Corporation

: 미약전계강도 무선기기(TMIMB-3K4)

: Shown on product./Japan

: NI4-TMIMB-3K1

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均 不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。

前項合法通信,指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機 設備之干擾。

經型式認證合格之低功率射頻電機,非經許可,公司、商號或 使用者均不得擅自變更頻率、加大功率或變更原設計之特性及 功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經 發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續 使用。

前項合法通信,指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Справжнім TOYOTA MOTOR CORPORATION заявляє, що тип радіообладнання TMIMB-3 відповідає Технічному регламенту радіообладнання;

КАБІНЕТ МІНІСТРІВ УКРАЇНИ ПОСТАНОВА №.355

Повний текст декларації про відповідність доступний на веб-сайті за такою адресою:

http://www.tokai-rika.co.jp/pc

Діапазон частот : 119 - 135 kHz

Максимальна потужність радіочастотного випромінювання :

55dBµA/m @10m



Адреса: 1, Toyota-cho, Toyota, Aichi-ken, 471-8572, Japan

Справжнім ТОКАІ RIKA CO., LTD. заявляє, що тип радіообладнання RI-57BTY відповідає Технічному регламенту радіообладнання;

КАБІНЕТ МІНІСТРІВ УКРАЇНИ ПОСТАНОВА №.355

Повний текст декларації про відповідність доступний на веб-сайті за такою адресою:

http://www.tokai-rika.co.jp/pc

Діапазон частот : 119 - 135 kHz

Максимальна потужність радіочастотного випромінювання :

55dBµA/m @10m



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

Japan

- Manufacturer: TOYOTA MOTOR CORPORATION

- Address: 1, Toyota-cho, Toyota, Aichi-ken,

471-8572, Japan

- Brand: TOYOTA- Equipment: Immobilizer- Model: TMIMB-3

### ▶ Wireless remote control



NR: 2016-6-I-0147 DENSO 12BFE

[Para los vehículos que se venden en Paraguay] Nombre del proveedor en Paraguay: Toyotoshi S.A. Dirección: Av. Mariscal López esq. Victor Cáceres, San Lorenzo, Central, Paraguay

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率 或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善善至無干擾時方得繼續使用。

前項合法通信、指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

приймач: модель: 23ABF

передавач: модель:

смугу радіочастот: 433.58/434.42 МГц

максимальну потужність випромінювання (ERP): 0.01 мВт

виробник: DENSO CORPORATION

адреса: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661, Japan

справжнім DENSO CORPORATION заявляє, що тип радіообладнання відповідає

Технічному регламенту радіообладнання;

повний текст декларації про відповідність доступний на веб-сайті за такою адресою: https://www.denso.com/global/en/contact-us/doc/



### ▶ Smart entry & start system

This product has been Type Approved by Jamaica: SMA, Equipment identifier is placed on the product.

This product has been Type Approved by Jamaica: SMA, Equipment identifier is placed on the product.

### FCC ID: NI4TMLF15-1

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

TRA

REGISTERED No: ER44261/16

DEALER No: 0034092/10

기자재의 명칭(모델명) : 데이터전송용 무선기기(14FEB)

: DENSO CORPORATION

: See product. / Japan : MSIP-CRM-DKR-14FEB



NR:2020-08-I-0590 TOKAI RIKA BR2EX

[Información de empresas de venta de vehículos en Paraguay]

Nombre de la empresa:

Toyotoshi S.A.

·Dirección de la empresa: Av. Mariscal López esq.

Victor Cáceres,

San Lorenzo, Central,

Paraguay

приймач: модель: 23ABB

передавач: модель: 14FCN

смугу радіочастот: 433.58/434.42 МГц максимальну потужність випромінювання (ERP): 0.05 мВт

виробник: DENSO CORPORATION

адреса: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661, Japan

справжнім DENSO CORPORATION заявляє, що тип радіообладнання відповідає Технічному регламенту радіообладнання;

повний текст декларації про відповідність доступний на веб-сайті за такою адресою: https://www.denso.com/global/en/contact-us/doc/



Справжнім TOYOTA MOTOR CORPORATION заявляє, що тип радіообладнання TMLF15-1 відповідає Технічному регламенту радіообладнання;

КАБІНЕТ МІНІСТРІВ УКРАЇНИ ПОСТАНОВА №.355

Повний текст декларації про відповідність доступний на веб-сайті за такою адресою:

http://www.tokai-rika.co.jp/pc

Діапазон частот : 119 - 135 kHz

Максимальна потужність радіочастотного випромінювання :

55dBµA/m @10m



Адреса: 1, Toyota-cho, Toyota, Aichi-ken, 471-8572, Japan

Справжнім ТОКАІ RIKA CO., LTD. заявляє, що тип радіообладнання BR2EX відповідає Технічному регламенту радіообладнання;

КАБІНЕТ МІНІСТРІВ УКРАЇНИ ПОСТАНОВА №.355

Повний текст декларації про відповідність доступний на веб-сайті за такою адресою:

http://www.tokai-rika.co.jp/pc

Діапазон частот : 433.050 - 434.790 MHz

Максимальна потужність радіочастотного випромінювання : 10 mW(ERP)



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

**Ц**Я позначка являє собою позначку про необхідність дотримання правил безпеки/застереження.

•Не допускайте проковтування батарейки.

### Небезпека хімічного опіку

- · Цей виріб містить батарейку монетного / таблеткового типу.
- •Проковтування батарейки монетного / таблеткового типу може спричинити тяжкі внутрішні опіки всього лише за 2 години і може призвести до смерті.
- ·Зберігайте нові та використані батарейки подалі від дітей.
- •Якщо кришка батарейного відсіку надійно не закривається, припиніть користуватися виробом і зберігайте його подалі від дітей.
- Якщо існує ймовірність проковтування батарейки або її розміщення всередині будь-якої частини тіла, негайно зверніться за медичною допомогою.

### ОБЕРЕЖНО

- •Ризик вибуху в разі заміни на батарейку неналежного типу.
- ·Замінюйте батарейку на батарейку такого ж самого типу.

#### ОБЕРЕЖНО

- •Ризик вибуху або витоку горючої рідини або газу.
- · Не використовуйте /не зберігайте /не розміщуйте в умовах надзвичайно високої температури або надзвичайно низького тиску через дуже велику висоту над рівнем моря.
- ·Не намагайтеся спалити, розбити або розрізати використану батарейку.

Справжнім ТОКАІ RIKA CO., LTD. заявляє, що тип радіообладнання BG2KV відповідає Технічному регламенту радіообладнання;

КАБІНЕТ МІНІСТРІВ УКРАЇНИ ПОСТАНОВА №.355

Повний текст декларації про відповідність доступний на веб-сайті за такою адресою:

http://www.tokai-rika.co.jp/pc

Категорія приймача: 2



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

經型式認證合格之低功率射頻電機, 非經許可, 公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。

前項合法通信、指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機 設備之干擾。

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不 得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾 現象時,應立即停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設 備之干擾。 - Manufacturer: TOYOTA MOTOR CORPORATION

- Address: 1, Toyota-cho, Toyota, Aichi-ken,

471-8572, Japan

- Brand: TOYOTA

- Equipment: Smart LF Oscillator

- Model: TMLF15-1

- Manufacturer: TOKAI RIKA CO., LTD.

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

480-0195, Japan

- Brand: TOKAI RIKA

- Equipment: Receiver - Model: BG2KV

- Manufacturer: TOKAI RIKA CO., LTD.

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

480-0195, Japan

- Brand: TOKAI RIKA
- Equipment: Electronic Key

- Model: BR2EX

Hereby, TOKAI RIKA CO., LTD. declares that the radio equipment type BF3US 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 BF3US 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 BF3US 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 BF3US 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 BF3US överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:

Hermed erklærer TOKAI RIKA CO., LTD., at radioudstyrstypen BF3US 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 BF3US 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 ΤΟΚΑΙ RIKA CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός BF3US 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 BF3US 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 BF3US es conforme con la Directiva 2014/53/UE.

El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:

O(a) abaixo assinado(a) TOKAI RIKA CO., LTD. declara que o presente tipo de equipamento de rádio BF3US 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 BF3US 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 BF3US 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 BF3US 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 BF3US je v súlade so smernicou 2014/53/EÚ.

Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:

Tímto TOKAI RIKA CO., LTD. prohlašuje, že typ rádiového zařízení BF3US 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 BF3US 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 BF3US 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 BF3US 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 BF3US jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:

TOKAI RIKA CO., LTD. lýsir því hér með yfir að fjarskiptatækið af gerð BF3US 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 BF3US 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 BF3US е в съответствие с Директива 2014/53/EC.

Цялостният текст на EC 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 BF3US 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 BF3US u skladu sa Direktivom 2014/53/EU.

Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi:

Me anë të këtij dokumenti, TOKAI RIKA CO., LTD. deklaron se tipi i radiopajisjes BF3US 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: <a href="http://www.tokai-rika.co.jp/pc">http://www.tokai-rika.co.jp/pc</a>

TOKAI RIKA CO., LTD. ovime izjavljuje da je radijska oprema tipa BF3US 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

Ovim TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BF3US 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 BF3US 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



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

Receiver Category (EN300 220): 2

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: <a href="http://www.tokai-rika.co.jp/pc">http://www.tokai-rika.co.jp/pc</a>

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 ΤΟΚΑΙ 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: <a href="http://www.tokai-rika.co.jp/pc">http://www.tokai-rika.co.jp/pc</a>

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 vietnā:

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: <a href="http://www.tokai-rika.co.jp/pc">http://www.tokai-rika.co.jp/pc</a>

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 EC 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)



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

⚠: This mark is a safety/warning mark.

· Do not ingest battery.

## **Chemical Burn Hazard**

- · This product contains a coin / button cell battery.
- If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- · Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

## CAUTION

- · Risk of explosion if the battery is replaced by an incorrect type.
- · Replace battery with the same type.

### CAUTION

- · Risk of explosion or the leakage of flammable liquid or gas.
- Do not use in /store in /bring into environment of extremely high temperature or extremely low pressure due to the very high altitude.
- · Do not attempt to burn, crush, or cut used battery.

- ⚠ : Tämä on turva-/varoitusmerkki.
- ·Paristoa ei saa laittaa suuhun.

## Kemiallisen palovamman vaara

- ·Laitteessa on kolikko-/nappiparisto.
- Elimistöön joutunut kolikko-/nappiparisto voi aiheuttaa vakavia sisäisiä palovammoja vain 2 tunnissa, jolloin seurauksena voi olla hengen menetys.
- · Uudet ja käytetyt paristot on pidettävä poissa lasten ulottuvilta.
- •Jos paristolokero ei sulkeudu kunnolla, laitteen käyttö on lopetettava, ja laite on pidettävä poissa lasten ulottuvilta.
- •Jos on syytä epäillä, että paristo on nielaistu tai muuten päässyt elimistöön, ota välittömästi yhteyttä lääkäriin.

# TÄRKEÄ HUOMAUTUS

- ·Käytetyn pariston vaihtaminen tyypiltään väärään voi aiheuttaa räjähdysvaaran.
- ·Vaihda paristo tyypiltään samanlaiseen.

### TÄRKEÄ HUOMAUTUS

- ·Räjähdysvaara tai syttyvän nesteen tai kaasun vuotovaara.
- •Ei saa käyttää/säilyttää/tuoda lämpötilaltaan tai merenpinnasta mitattuna erittäin korkeaan ympäristöön, jossa ilmanpaine on erittäin alhainen.
- ·Käytettyä paristoa ei saa polttaa, murskata tai halkaista.

- ⚠ : Dit teken is een veiligheids-/waarschuwingsteken.
- ·Slik de batterij niet in.

# Risico op chemische brandwonden

- ·Dit product bevat een munt-/knoopcelbatterij.
- \*Als de munt-/knoopcelbatterij wordt ingeslikt, kan het al binnen 2 uur ernstige interne brandwonden veroorzaken en de dood tot gevolg hebben.
- · Houd nieuwe en gebruikte batterijen buiten bereik van kinderen.
- ·Als het batterijcompartiment niet goed sluit, stop dan met het gebruik van het product en houd het buiten bereik van kinderen.
- ·Als u denkt dat batterijen zijn ingeslikt of in enig deel van het lichaam zijn gestopt, roep dan onmiddellijk medische hulp in.

# **VOORZICHTIG**

- •Er bestaat een risico op ontploffing als de batterij wordt vervangen door een verkeerd type.
- · Vervang de batterij door een van hetzelfde type.

## **VOORZICHTIG**

- •Er bestaat een risico op ontploffing of lekkage van brandbare vloeistof of gas.
- •Niet gebruiken in/bewaren in/meenemen naar een omgeving met extreem hoge temperatuur of met extreem lage druk als gevolg van zeer grote hoogte.
- •Een gebruikte batterij niet verbranden, platdrukken, of doorsnijden.

- ⚠ : Ce pictogramme est une marque de sécurité/avertissement.
- ·Ne pas ingérer la pile.

## Risques de brûlure chimique

- ·Ce produit contient une pile bouton.
- •Si la pile bouton est avalée, elle peut causer de graves brûlures internes en seulement 2 heures et peut entraîner la mort.
- · Conservez les piles neuves et usagées hors de portée des enfants.
- •Si le compartiment de la pile ne ferme pas correctement, cessez d'utiliser le produit et conservez-le hors de portée des enfants.
- •Si vous pensez que des piles ont pu être avalées ou placées à l'intérieur d'une partie du corps, consultez immédiatement un médecin.

## **AVERTISSEMENT**

- •Risque d'explosion si la pile est remplacée par un type incorrect.
- •Remplacez la pile par une pile du même type.

### **AVERTISSEMENT**

- •Risque d'explosion ou de fuite de liquide ou de gaz inflammable.
- •Ne jamais utiliser, stocker, placer dans un environnement à la température extrêmement élevée ou à la pression extrêmement basse en raison d'une très haute altitude.
- •Ne jamais essayer de brûler, écraser ou couper des piles usagées.

- ⚠: Det här märket är ett säkerhets-/varningsmärke.
- · Förtär inte batteriet.

### Risk för kemisk brännskada

- •Den här produkten innehåller ett mynt-/knappbatteri.
- •Om mynt-/knappbatteriet sväljs kan det orsaka allvarliga interna brännskador på bara två timmar, vilket kan leda till dödsfall.
- ·Håll nya och använda batterier borta från barn.
- •Om batterifacket inte stängs ordentligt, sluta använda produkten och håll den undan från barn.
- •Om du misstänker att batterier har svalts eller placerats inuti någon del av kroppen, sök omedelbart läkarvård.

## VARNING

- ·Risk för explosion om batteriet byts ut mot ett av fel typ.
- ·Byt ut batteriet mot ett av samma typ.

#### **VARNING**

- ·Risk för explosion eller läckage av brandfarliga vätskor och gaser.
- •Använd inte, förvara inte och ta inte in i miljö med extremt hög temperatur eller extremt lågt tryck p.g.a. hög höjd.
- · Försök inte bränna, krossa eller skära använt batteri.
- ⚠ : Dette mærke er et sikkerheds-/advarselsmærke.
- Batteriet må ikke indtages.

## Fare for kemisk forbrænding

- ·Dette produkt indeholder et mønt-/knapcellebatteri.
- •Hvis mønt-/knapcellebatteriet sluges, kan det medføre alvorlige indre forbrændinger i løbet af kun 2 timer og kan føre til dødsfald.
- ·Opbevar nye og brugte batterier utilgængeligt for børn.
- •Hvis batterirummet ikke kan lukkes ordentligt, skal du indstille brugen af produktet og opbevare det utilgængeligt for børn.
- •Hvis du har mistanke om, at der måske er blevet slugt batterier, eller batterier på anden måde er kommet ind i kroppen, skal du øjeblikkeligt søge lægehjælp.

# **FORSIGTIG**

- ·Risiko for eksplosion, hvis batteriet udskiftes med en forkert type.
- · Udskift batteriet med et batteri af samme type.

## FORSIGTIG

- ·Risiko for eksplosion eller lækage af brændbar væske eller gas.
- •Må ikke anvendes på/opbevares på/tages med til meget varme steder eller steder med meget lavt tryk som følge af ekstreme højder.
- •Forsøg ikke at brænde, knuse eller adskille brugte batterier.

- $\triangle$ : Dieses Symbol ist ein Sicherheits-/Warnsymbol.
- · Verschlucken Sie die Batterie nicht.

## Verätzungsgefahr

- ·Dieses Produkt enthält eine Knopfzellenbatterie.
- Falls die Knopfzellenbatterie verschluckt wird, kann dies innerhalb von nur 2 Stunden schwere innere Verätzungen verursachen und zum Tode führen.
- · Halten Sie neue und gebrauchte Batterien von Kindern fern.
- •Falls sich das Batteriefach nicht sicher schließen lässt, stellen Sie die Verwendung des Produkts ein und halten Sie es von Kindern fern.
- •Falls Sie glauben, dass Batterien eventuell verschluckt oder in einen Teil des Körpers eingeführt worden sind, begeben Sie sich sofort in ärztliche Behandlung.

## **ACHTUNG**

- •Es besteht Explosionsgefahr, falls die Batterie durch eine Batterie der falschen Art ersetzt wird.
- · Ersetzen Sie Batterien nur durch die gleiche Art.

### **ACHTUNG**

- •Es besteht Explosionsgefahr oder die Gefahr eines Austritts von brennbarer Flüssigkeit oder entzündlichem Gas.
- Das Produkt darf nicht in Umgebungen mit hohen Temperaturen oder extrem niedrigem Luftdruck aufgrund von extremen Höhenlagen verwendet / aufbewahrt / gebracht werden.
- · Versuchen Sie nicht, gebrauchte Batterien zu verbrennen, zu zerstoßen oder zu schneiden.

Δ: Το σήμα αυτό είναι ένα σήμα ασφαλείας/προειδοποίησης.

• Μην καταπίνετε την μπαταρία.

### Κίνδυνος χημικού εγκαύματος

- Αυτό το προϊόν περιέχει μια μπαταρία σχήματος νομίσματος / κουμπιού.
- Αν η μπαταρία σχήματος νομίσματος / κουμπιού καταποθεί, μπορεί να προκαλέσει σοβαρά εσωτερικά εγκαύματα σε μόλις 2 ώρες και μπορεί να επέλθει θάνατος.
- Διατηρείτε τις καινούργιες και τις χρησιμοποιημένες μπαταρίες μακριά από παιδιά.
- Εάν το διαμέρισμα της μπαταρίας δεν κλείνει καλά, σταματήστε τη χρήση του προϊόντος και κρατήστε το μακριά από παιδιά.
- Αν νομίζετε ότι οι μπαταρίες ενδέχεται να έχουν καταποθεί ή τοποθετηθεί μέσα σε οποιοδήποτε μέρος του σώματος, ζητήστε αμέσως ιατρική φροντίδα.

### ΠΡΟΣΟΧΗ

- Υπάρχει κίνδυνος έκρηξης εάν η μπαταρία αντικατασταθεί με μπαταρία εσφαλμένου τύπου.
- Αντικαταστήστε την μπαταρία με μπαταρία του ίδιου τύπου.

#### ΠΡΟΣΟΧΗ

- Υπάρχει κίνδυνος έκρηξης ή διαρροής εύφλεκτων υγρών ή αερίων.
- Μη χρησιμοποιείτε / αποθηκεύετε / μεταφέρετε το προϊόν σε περιβάλλον με εξαιρετικά υψηλή θερμοκρασία ή εξαιρετικά χαμηλή πίεση λόγω πολύ μεγάλου υψομέτρου.
- · Μην επιχειρήσετε να κάψετε, να συνθλίψετε ή να κόψετε μια χρησιμοποιημένη μπαταρία.
- ⚠ : Questo è un simbolo di sicurezza/avvertenza.
- · Non ingerire la batteria.

# Pericolo di ustioni chimiche

- · Questo prodotto contiene una batteria a bottone/moneta.
- Se la batteria a bottone/moneta viene ingerita, può causare gravi ustioni interne in sole 2 ore e provocare la morte.
- · Tenere le batterie nuove e usate lontano dalla portata dei bambini.
- Se il vano batteria non si chiude in modo saldo, interrompere l'utilizzo del prodotto e tenerlo lontano dalla portata dei bambini.
- Se si ritiene che le batterie siano state ingerite o inserite in qualsiasi parte del corpo, consultare immediatamente un medico.

## **ATTENZIONE**

- · Rischio di esplosione in caso di sostituzione della batteria con una di tipo errato.
- · Sostituire la batteria con una dello stesso tipo.

## ATTENZIONE

- · Rischio di esplosione o di perdita di liquidi o gas infiammabili.
- Non utilizzare / immagazzinare / portare in ambienti con temperatura estremamente alta o pressione estremamente a causa dell'elevata altitudine.
- · Non provare a bruciare, schiacciare o tagliare la batteria usata.

- ⚠: Este símbolo es un símbolo de seguridad/precaución.
- ·No ingerir la batería.

## Peligro de quemadura química

- ·Este producto contiene una batería de pila de botón.
- •Si se ingiere la batería de pila de botón, esta puede causar graves quemaduras internas en solo 2 horas y puede provocar la muerte.
- · Mantenga las baterías nuevas y usadas alejadas de los niños.
- Si el compartimento de la batería no se cierra correctamente, deje de usar el producto y manténgalo alejado de los niños.
- ·Si cree que las baterías hayan podido ser ingeridas o introducidas en alguna parte del cuerpo, busque inmediatamente atención médica.

### **ATENCIÓN**

- ·Riesgo de explosión si la batería es reemplazada por una del tipo incorrecto.
- ·Reemplace la batería por una del mismo tipo.

#### **ATENCIÓN**

- ·Riesgo de explosión o escape de líquido o gas inflamable.
- ·No usar / almacenar / introducir en un ambiente de temperatura extremadamente alta o de presión extremadamente baja a causa de la alta altitud.
- ·No intente quemar, aplastar, o cortar la batería usada.
- ⚠: Esta marca é uma marca de segurança/aviso.
- ·Não ingerir a pilha.

# Perigo de Queimadura Química

- ·Este produto contém uma pilha de tipo moeda/botão.
- •Se a pilha de tipo moeda/botão for engolida, poderá causar queimaduras internas graves em apenas 2 horas e levar à morte.
- ·Manter as pilhas novas e usadas longe de crianças.
- •Se o compartimento da pilha não se fechar completamente, cessar a utilização do produto e manter fora do alcance das crianças.
- •Caso seja possível que as pilhas tenham sido engolidas ou colocadas dentro de qualquer parte do corpo, procurar cuidados médicos imediatamente.

## CUIDADO

- ·Risco de explosão se a pilha for substituída por uma de tipo incorreto.
- ·Substituir a pilha por uma do mesmo tipo.

## CUIDADO

- ·Risco de explosão ou fuga de líquidos ou gases inflamáveis.
- · Não utilizar/armazenar/colocar em ambiente de temperatura extremamente alta, ou pressão extremamente baixa devido a altitude muito alta.
- ·Não tentar queimar, esmagar ou cortar a pilha usada.

⚠: Din il-marka hija marka ta' sigurtá/twissija.

·Tiblax il-batterija.

### Periklu ta' Ħrug Kimiku

- ·Dan il-prodott fih batterija munita / button cell.
- •Jekk tinbela' I-batterija munita / button cell, tista' tikkawża ħruq intern sever f'temp ta' sagħtejn biss u tista' twassal għall-mewt.
- ·Żomm il-batteriji godda u użati 'l bogñod mit-tfal.
- Jekk il-kompartiment tal-batterija ma jagħlaqx sew, waqqaf l-użu tal-prodott u żommu 'l bogħod mit-tfal.
- Jekk tañseb li l-batteriji setgħu nbelgħu jew tpoġġew ġewwa xi parti tal-ġisem, fittex attenzjoni medika immedjata.

## **ATTENZJONI**

- ·Riskju ta' splužjoni jekk il-batterija tiģi ssostitwita b'tip inkorrett.
- · Ibdel il-batterija bl-istess tip.

### **ATTENZJONI**

- ·Riskju ta' splużjoni jew tnixxija ta' likwidu jew gass fjammabbli.
- Tużahx / taħżnux / iġġibux fambjent ta' temperatura estremament għolja jew pressjoni estremament baxxa minħabba l-altitudni għolja ħafna.
- ·Tippruvax taħraq, tfarrak jew tqatta' l-batteriji użati.

⚠: See märk on ohutus-/hoiatusmärk.

·Ärge patareid alla neelake.

## Keemilise põletuse oht

- ·See toode sisaldab mündi/nööbi tüüpi elemendiga patareid.
- •Mündi/nööbi tüüpi elemendiga patarei allaneelamine võib põhjustada raskeid sisemisi põletusi juba 2 tunni jooksul ning võib lõppeda surmaga.
- · Hoidke uued ja kasutatud patareid lastele kättesaamatus kohas.
- Kui patareipesa ei sulgu kindlalt, lõpetage toote kasutamine ja hoidke seda lastele kättesaamatus kohas.
- •Kui te arvate, et patareid võivad olla alla neelatud või mistahes kehaossa sattunud, pöörduge viivitamatult arsti poole.

# **ETTEVAATUST**

- ·Plahvatusoht vahetamisel vale tüüpi patareiga.
- ·Vahetage sama tüüpi patareiga.

# **ETTEVAATUST**

- ·Plahvatuse või tuleohtliku vedeliku või gaasi lekke oht.
- \*Ärge kasutage, hoidke ega tooge keskkonda eriti kõrge temperatuuriga või eriti madala rõhuga väga suure kõrguse tõttu merepinnast.
- •Ärge üritage põletada, purustada ega lõigata kasutatud patareid.

- 1 : Ez a jelzés biztonsági/figyelmeztető jelzés.
- · Ne nyelje le az elemet.

# Vegyi anyag okozta égésisérülés-veszély

- ·Ez a termék gombelemet tartalmaz.
- Amennyiben a gombelemet lenyeli, az mindössze 2 órán belül komoly belső égési sérüléseket okozhat és halálhoz vezethet.
- · Az új és használt elemeket tartsa távol a gyermekektől.
- ·Amennyiben az elemtartó rekesz nem zárható biztonságosan, függessze fel a termék használatát és tartsa gyermekektől távol.
- Amennyiben úgy véli, hogy az elemet lenyelték vagy bármely testrészbe helyezték, haladéktalanul forduljon orvoshoz.

### VIGYÁZAT

- · Nem megfelelő típusú csereelem használata robbanásveszélyes.
- ·Az elemcseréhez azonos típusú elemet használjon.

## VIGYÁZAT

- ·Robbanásveszély vagy gyúlékony folyadékok vagy gázok szivárgása.
- Ne használja/ne tárolja/ne helyezze szélsőségesen magas hőmérsékletű környezetbe, és ne tegye ki a nagy magasságokban kialakuló rendkívül alacsony nyomásnak.
- · A használt elemet ne kísérelje meg elégetni, összezúzni vagy szétvágni.
- . Toto je bezpečnostná/výstražná značka.
- ·Dbajte na to, aby nedošlo k prehltnutiu batérie.

## Nebezpečenstvo poleptania chemikáliou

- · Tento výrobok obsahuje mincovú/gombíkovú batériu.
- Ak dôjde k prehltnutiu mincovej/gombíkovej batérie, už v priebehu 2 hodín môže spôsobiť vážne vnútorné poleptanie a viesť k usmrteniu.
- · Nové a použité batérie uchovávajte mimo dosahu detí.
- ·Ak sa priestor pre batériu nezatvorí bezpečne, prestaňte používať výrobok a uchovávajte ho mimo dosahu detí.
- •Ak si myslíte, že mohlo dôjsť k prehltnutiu batérií alebo ich umiestneniu do ktorejkoľvek časti tela, okamžite vyhľadajte lekársku pomoc.

# UPOZORNENIE

- ·Hrozí nebezpečenstvo výbuchu, ak sa batéria vymení za nesprávny typ.
- Vymeňte batériu za rovnaký typ.

## **UPOZORNENIE**

- · Nebezpečenstvo výbuchu alebo úniku horľavej kvapaliny alebo horľavého plynu.
- Nepoužívajte/neskladujte v prostredí/neprinášajte do prostredia s mimoriadne vysokou teplotou, alebo mimoriadne nízkym tlakom v dôsledku veľmi vysokej nadmorskej výšky.
- · Nepokúšajte sa spáliť, rozdrviť ani rozrezať použitú batériu.

- ⚠ : Tento symbol je bezpečnostním/výstražným symbolem.
- ·Baterii nepolykejte.

## Nebezpečí chemických popálenin

- •Tento výrobek obsahuje mincovou/knoflíkovou baterii.
- Pokud dojde ke spolknutí mincové/knoflíkové baterie, může za pouhé 2 hodiny způsobit závažné vnitřní popáleniny a v jejich důsledku případně i smrt.
- ·Použité a nové baterie udržujte mimo dosah dětí.
- Pokud nelze prostor pro baterii pevně uzavřít, přestaňte výrobek používat a udržujte jej mimo dosah dětí.
- •Pokud si myslíte, že mohlo dojít ke spolknutí baterie nebo jejímu vsunutí dovnitř kterékoliv části těla, okamžitě vyhledejte lékařskou pomoc.

#### **UPOZORNĚNÍ**

- ·Nebezpečí výbuchu v případě výměny baterie za nesprávný druh baterie.
- ·Proto baterii vždy vyměňte za jinou stejného typu.

#### **UPOZORNĚNÍ**

- ·Nebezpečí výbuchu nebo úniku hořlavé kapaliny či plynu.
- Nepoužívejte/neskladujte/nepřinášejte je do prostředí s nesmírně vysokou teplotou nebo nesmírně nízkým tlakem zapříčiněným vysokou nadmořskou výškou.
- ·Nesnažte se baterii spálit, rozdrtit či rozříznout.
- ⚠ : Ta oznaka je varnostna/opozorilna oznaka.
- ·Ne zaužijte baterije.

# Nevarnost kemijske opekline

- ·Ta izdelek vsebuje gumbasto baterijo.
- •Če se gumbasto baterijo zaužije, lahko to povzroči hude notranje opekline v le 2 urah in lahko vodi v smrt.
- ·Nove in rabljene baterije hranite izven dosega otrok.
- •Če se predalček za baterijo ne zapira pravilno, prenehajte z uporabo izdelka in ga hranite izven dosega otrok.
- •Če sumite, da je morda nekdo zaužil baterijo ali jo dal v kateri koli del telesa, takoj poiščite zdravniško pomoč.

## **POZOR**

- ·Nevarnost eksplozije, če baterijo zamenjate z baterijo napačne vrste.
- ·Zamenjajte baterijo z istim tipom.

## **POZOR**

- •Tveganje za eksplozijo ali puščanje vnetljivih tekočin ali plinov.
- •Ne uporabljajte/shranjujte/prinašajte v okolje izredno visoke temperature ali izredno nizkega tlaka zaradi zelo visoke nadmorske višine.
- ·Ne poskušajte zažigati, uničiti, ali rezati rabljene baterije.

- ⚠: Šis ženklas yra saugos/įspėjamasis ženklas.
- · Neprarykite baterijos.

## Cheminio nudegimo pavojus

- ·Šiame gaminyje yra monetos/sagos formos baterija.
- •Prarijęs monetos/sagos formos bateriją, asmuo per 2 valandas gali patirti sunkius vidinius nudegimus ir netgi mirti.
- ·Naujas ir panaudotas baterijas laikykite vaikams nepasiekiamoje vietoje.
- Jei baterijų skyrelio nepavyksta tvirtai uždaryti, nebenaudokite gaminio ir laikykite jį vaikams nepasiekiamoje vietoje.
- Jei manote, kad baterijos buvo prarytos arba pateko į kūną, nedelsdami kreipkitės į gydytoją.

## **PERSPĖJIMAS**

- ·Baterija pakeitus netinkamo tipo baterija, kyla sprogimo pavojus.
- ·Pakeiskite sena baterija tik to paties tipo nauja baterija.

### **PERSPĖJIMAS**

- ·Sprogimo arba degių skysčių ar dujų nuotėkio pavojus.
- •Negalima naudoti/laikyti/turėti labai aukštos temperatūros arba labai dideliame aukštyje esančioje itin žemo slėgio aplinkoje.
- ·Naudotos baterijos nebandykite deginti, ardyti ar perpjauti.
- ⚠ : Šī zīme ir drošības/brīdinājuma zīme.
- · Nenorijiet bateriju.

# Ķīmisku apdegumu briesmas

- ·Šis izstrādājums satur tabletes tipa bateriju.
- Ja ir norīta tabletes tipa baterija, tā 2 stundu laikā var radīt smagus apdegumus un izraisīt nāvi.
- -Jaunas un lietotas baterijas uzglabājiet bērniem nepieejamā vietā.
- Ja bateriju nodalījumu nevar droši aizvērt, pārtrauciet lietot izstrādājumu un novietojiet to bērniem nepieejamā vietā.
- Ja jūsuprāt baterijas ir norītas vai ievietotas kādā ķermeņa daļā, nekavējoties vērsieties pēc medicīniskās palīdzības.

## UZMANĪBU!

- · Eksplozijas risks, ja baterija tiek nomainīta ar nepareiza tipa bateriju.
- ·Bateriju nomainiet pret tāda paša tipa bateriju.

## UZMANĪBU!

- · Eksplozijas vai uzliesmojoša šķidruma vai gāzes noplūdes risks.
- •Nelietojiet, neuzglabājiet un neievietojiet vidē ar ļoti augstu temperatūru, kā arī vidē, kur ļoti lielā augstuma virs jūras līmeņa dēļ ir ļoti zems spiediens.
- ·Nemēģiniet sadedzināt, sagraut vai sagriezt nolietoto bateriju.

- ⚠ : ten symbol oznacza niebezpieczeństwo/ostrzeżenie.
- ·Nie połykać baterii.

### Ryzyko oparzenia chemicznego

- ·Ten produkt zawiera baterię guzikową.
- Połknięta bateria guzikowa może spowodować poważne oparzenia wewnętrzne w czasie jedynie 2 godzin i prowadzić do śmierci.
- ·Przechowywać nowe i zużyte baterie z dala od dzieci.
- Jeśli solidne zamknięcie komory baterii jest niemożliwe, zaprzestać użytkowania produktu i przechowywać go w miejscu niedostępnym dla dzieci.
- W przypadku podejrzenia, że mogło dojść do połknięcia baterii lub ich umieszczenia w dowolnym otworze ciała, niezwłocznie uzyskać pomoc lekarską.

### **PRZESTROGA**

- · Istnieje ryzyko wybuchu, jeśli bateria zostanie zastąpiona baterią niewłaściwego typu.
- ·Wymieniać baterię na baterię tego samego typu.

## **PRZESTROGA**

- ·Ryzyko wybuchu lub wycieku łatwopalnego płynu lub gazu.
- Nie używać i nie przechowywać w otoczeniu o skrajnie wysokiej temperaturze lub skrajnie niskim ciśnieniu wynikającym z bardzo dużej wysokości ani nie wnosić do takiego otoczenia.
- ·Nie podejmować prób spalenia, zgniecenia lub przecięcia zużytej baterii.
- 1 : Този знак е знак за безопасност/предупреждение.
- •Не поглъщайте батерията.

## Опасност от химическо изгаряне

- •Този продукт съдържа плоска/бутонна батерия.
- •Ако плоската/бутонна батерия бъде погълната, тя може да причини тежки вътрешни изгаряния само за 2 часа и може да доведе до смърт.
- •Пазете новите и използваните батерии далеч от деца.
- •Ако отделението за батериите не се затваря добре, спрете да използвате продукта и го дръжте далеч от деца.
- •Ако смятате, че батериите може да са били погълнати или поставени в някоя част на тялото, незабавно потърсете медицинска помощ.

# ВНИМАНИЕ

- •Опасност от експлозия, ако батерията бъде сменена с неправилен тип.
- •Сменете батерията със същия вид.

## ВНИМАНИЕ

- •Опасност от експлозия или изтичане на запалими течности или газове.
- •Не използвайте/съхранявайте/носете в среда с изключително висока температура или изключително ниско налягане, причинено от голямата височина.
- •Не се опитвайте да изгаряте, смачквате или режете използваната батерия.

- ⚠ : Acest marcaj este un marcaj de securitate/avertizare.
- ·Nu ingerati bateria.

### Pericol de arsuri chimice

- ·Acest produs conține o baterie tip pastilă.
- •Dacă bateria tip pastilă este înghițită, aceasta poate cauza arsuri interne grave în numai 2 ore și poate duce la deces.
- ·Nu lăsați bateriile noi și bateriile uzate la îndemâna copiilor.
- ·În cazul în care compartimentul bateriei nu se închide bine, încetați utilizarea produsului și nu îl lăsați la îndemâna copiilor.
- •Dacă bănuiți că este posibil ca bateriile să fi fost înghițite sau introduse în orice parte a corpului, consultați imediat medicul.

## **ATENTIE**

- ·Risc de explozie dacă bateria este înlocuită cu un tip incorect.
- ·Înlocuiți bateria cu una de același tip.

### **ATENTIE**

- •Risc de explozie sau de scurgeri de lichide sau gaze inflamabile.
- •Nu utilizați/depozitați într-un mediu cu temperatură extrem de înaltă sau cu presiune extrem de joasă din cauza altitudinii foarte mari.
- •Nu încercați să ardeți, să spargeți sau să tăiați bateriile uzate.
- ⚠ : Ova oznaka je oznaka sigurnosti/upozorenja.
- ·Nemojte gutati bateriju.

## Opasnost od kemijskih opeklina

- ·Ovaj proizvod sadrži novčić/gumb bateriju.
- ·Ako se novčić/gumb baterija proguta, može uzrokovati ozbiljne unutarnje opekline u samo 2 sata i može dovesti do smrti.
- •Držite nove i rabljene baterije izvan dohvata djece.
- \*Ako se pretinac za baterije ne zatvara sigurno, prestanite koristiti proizvod i držite ga dalje od djece.
- •Ako smatrate da su baterije možda progutane ili smještene unutar bilo kojeg dijela tijela, zatražite hitnu medicinsku pomoć.

## OPREZ

- ·Ako je baterija zamijenjena pogrešnim tipom, postoji rizik od eksplozije.
- ·Zamijenite bateriju s baterijama iste vrste.

## **OPREZ**

- ·Rizik od eksplozije ili istjecanja zapaljive tekućine ili plina.
- •Nemojte koristiti u /pohranjivati u /unijeti u prostoru izuzetno visoke temperature ili izuzetno niskog tlaka zbog visoke nadmorske visine.
- ·Ne pokušavajte spaliti, lomiti ili rezati istrošenu bateriju.

- ⚠ : Þetta tákn er öryggis-/aðvörunartákn.
- · Gleypið ekki rafhlöðuna.

## Hætta á efnabruna

- ·Þessi vara inniheldur flata rafhlöðu.
- Ef rafhlaðan er gleypt getur hún valdið alvarlegum innvortis bruna á innan við 2 klukkustundum sem getur leitt til dauða.
- •Geymið nýjar og notaðar rafhlöður þar sem börn ná ekki til.
- Ef rafhlöðuhólfið lokast ekki örugglega skal hætta notkun vörunnar og geyma hana þar sem börn ná ekki til.
- •Ef þú telur að rafhlöður hafi verið gleyptar eða settar inn í eitthvert líkamsop, skaltu hafa samband við lækni tafarlaust.

## VARÚĐ

- ·Hætta á sprengingu ef rafhlöðunni er skipt út fyrir ranga tegund.
- ·Skiptið rafhlöðunni ávallt út fyrir sömu tegund.

### VARÚĐ

- ·Hætta á sprengingu eða leka á eldfimum vökva eða lofttegundum.
- •Má ekki nota/geyma/setja í umhverfi þar sem er afar hár hiti, eða afar lágur þrýstingur vegna mikillar hæðar.
- •Ekki reyna að brenna, kremja eða skera notaða rafhlöðu.

- ⚠ : Dette merket er et sikkerhets-/advarselsmerke.
- · Ikke svelg batteriet.

### Kjemisk brannfare

- ·Dette produktet inneholder et mynt-/knappecellebatteri.
- •Dersom mynt-/knappecellebatteriet svelges, kan det frembringe alvorlige indre forbrenninger i løpet av kun to timer, og kan være dødelig.
- ·Hold nye og brukte batterier borte fra barn.
- •Lukkes ikke batterirommet sikkert må du stanse å bruke produktet og holde det utenfor barns rekkevidde.
- •Oppsøk medisinsk hjelp umiddelbart hvis du tror at batterier kan være svelget eller plassert inne i kroppen.

## **FORSIKTIG**

- ·Eksplosjonsfare hvis batteriet erstattes med feil type.
- ·Bytt batteri med samme type.

### **FORSIKTIG**

- ·Fare for eksplosjon eller lekkasje av brannfarlig væske eller gass.
- •Ikke bruk i/oppbevar i/ta med inn i miljø med ekstremt høy temperatur eller ekstremt lavt trykk på grunn av den svært store høyden.
- ·lkke forsøk å brenne, knuse eller skjære opp et brukt batteri.

- ⚠ : Ova oznaka je sigurnosna/upozoravajuća oznaka.
- ·Nemojte gutati bateriju.

# Opasnost od hemijskih opekotina

- ·Ovaj proizvod sadrži bateriju veličine kovanice/dugmeta.
- ·Ako se baterija veličine kovanice/dugmeta proguta, može izazvati ozbiljne unutrašnje opekotine za samo 2 sata i može dovjesti do smrti.
- ·Čuvajte nove i korišćene baterije dalje od djece.
- · Ako se prostor za baterije ne zatvori dobro, prestanite sa korišćenjem proizvoda i držite ga dalje od djece.
- •Ako mislite da su baterije možda progutane ili stavljene u unutrašnjost bilo kog dijela tijela, potražite hitnu medicinsku pomoć.

# **OPREZ**

- ·Opasnost od eksplozije ako se baterija zamijeni s baterijom pogrešnog tipa.
- ·Zamijenite bateriju sa baterijom istog tipa.

### **OPREZ**

- ·Opasnost od eksplozije ili curenja zapaljive tečnosti ili gasa.
- •Nemojte koristiti /skladištiti /unositi u okruženje izuzetno visoke temperature ili izuzetno niskog pritiska usljed veoma velike visine.
- ·Ne pokušavajte da spalite, lomite ili isječete iskorišćenu bateriju.

- ⚠ : Kjo është shenjë sigurie/paralajmërimi.
- ·Mos e gëlltisni baterinë.

## Rrezik djegjeje kimike

- •Ky produkt përmban një bateri të hollë në formë monedhe/kopse.
- •Nëse bateria e hollë në formë monedhe/kopse gëlltitet, ajo mund të shkaktojë djegie të rënda të brendshme brenda vetëm 2 orëve dhe mund të sjellë vdekjen.
- · Mbajini bateritë e reja dhe të përdorura larg nga fëmijët.
- •Nëse foleja e baterisë nuk mbyllet mirë, ndaloni përdorimin e produktit dhe mbajeni larg nga fëmijët.
- •Nëse mendoni se bateritë mund të jenë gëlltitur ose futur brenda ndonjë pjese trupi, kërkoni menjëherë vëmendjen e mjekut.

## **KUJDES**

- •Rrezik shpërthimi nëse bateria zëvendësohet me një lloj të pasaktë.
- ·Zëvendësojeni baterinë me të njëjtin lloj.

#### KUJDES

- •Rrezik shpërthimi nga rrjedhja e lëngut apo gazit të ndezshëm.
- •Mos e përdorni / ruani / sillni në mjedise me temperaturë jashtëzakonisht të lartë ose presion jashtëzakonisht të ulët në lartësi shumë të mëdha.
- •Mos u përpiqni të digjni, shtypni ose prisni baterinë e përdorur.

- ⚠ : Ova oznaka je oznaka za bezbednost/upozorenje.
- ·Nemojte gutati bateriju.

## Opasnost od hemijskih opekotina

- ·Ovaj proizvod sadrži bateriju u obliku novčića/dugmeta.
- ·Ako se baterija u obliku novčića/gumba proguta, može da izazove ozbiljne interne opekotine za samo 2 sada i može da dovede do smrti.
- ·Nove i korišćene baterije čuvajte van domašaja dece.
- ·Ako se odeljak za bateriju ne zatvori dobro, prestanite da koristite proizvod i čuvajte ga van domašaja dece.
- \*Ako mislite da su baterije možda progutane ili stavljene unutar bilo kog dela tela, odmah zatražite medicinsku pomoć.

# **OPREZ**

- ·Rizik od eksplozije ako je baterija zamenjena nepravilnim tipom.
- ·Zamenite bateriju sa istim tipom.

### **OPREZ**

- ·Rizik od eksplozije ili curenja zapaljive tečnosti ili gasa.
- •Ne koristite/ne čuvajte/ne donosite u sredinu izuzetno visoke temperature ili izuzetno niskog pritiska usled vrlo visoke visine.
- ·Ne pokušavajte da zapalite, smrvite ili isečete korišćenu bateriju.

- ⚠ : Bu işaret bir güvenlik/uyarı işaretidir.
- ·Pili yutmayın.

### Kimyasal Yanma Tehlikesi

- ·Bu üründe bir düğme pil bulunmaktadır.
- •Düğme pil yutulursa, sadece 2 saat içinde ağır iç yanıklara neden olabilir ve ölüme yol açabilir.
- ·Yeni ve kullanılmış pilleri çocuklardan uzak tutun.
- •Pil yuvası emniyetli bir şekilde kapanmıyorsa, ürünü kullanmayı bırakın ve çocuklardan uzak tutun.
- •Pillerin yutulduğunu veya vücudun herhangi bir parçasının içine yerleştirildiğini düşünüyorsanız, derhal tıbbi yardım alın.

### DİKKAT

- ·Pil yanlış tür bir pille değiştirilirse patlama riski vardır.
- ·Pili aynı tür pillerle değiştirin.

#### DİKKAT

- ·Patlama ya da yanıcı sıvı veya gaz sızıntısı riski vardır.
- Aşırı derecede yüksek sıcaklıktaki veya çok yüksek rakımdan dolayı aşırı derecede düşük basınca sahip ortamlarda kullanmayın /saklamayın veya bu ortamlara götürmeyin.
- ·Kullanılmış pili yakmaya, ezmeye veya kesmeye çalışmayın.

# ► Toyota Safety Sense



UA RF: 3DENS FR09

модель: DNMWR009

смуга радіочастот: 76-77 ГГц

максимальна вихідна потужність: 416.87 мВт або менше

виробник: DENSO CORPORATION

адреса: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan

справжнім DENSO CORPORATION заявляє, що тип радіообладнання відповідає Технічному регламенту

радіообладнання;

повний текст декларації про відповідність доступний на веб-сайті

за такою адресою:

https://www.denso.com/global/en/contact-us/doc/



상호명/제조자 : DENSO CORPORATION

기자재의 명칭 (모델명) : 차량 충돌방지용 레이더 무선기기 (DNMWR009)

제조연월/제조국 : See Product. / JAPAN 식별부호 : MSIP-CRM-DKR-DNMWR009 經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有 干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電 機設備之干擾。 For Vehicles sold in Jordan TRC approval number: TRC/LPD/2016/506

This product has been Type Approved by Jamaica: SMA - DNMWR009.

[Para los vehículos que se venden en Paraguay] Nombre del proveedor en Paraguay: Toyotoshi S.A. Dirección: Av.Mariscal Lopez 2801/2899 Asuncion, Paraguay

## ▶ Blind Spot Monitor

取得審驗證明之低功率射頻器材,非經核准,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信;經發現有 干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。 前述合法通信,指依電信管理法規定作業之無線電通信。 低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電 機設備之干擾。



UA RF: 3DENSR004

модель: DNSRR004

смуга радіочастот: 24.05-24.25 ГГц

максимальна вихідна потужність: 20 мВт або менше

виробник: DENSO CORPORATION

адреса: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan

справжнім DENSO CORPORATION заявляє, що тип радіообладнання відповідає Технічному регламенту

радіообладнання;

повний текст декларації про відповідність доступний на веб-сайті

за такою адресою:

https://www.denso.com/global/en/contact-us/doc/

For Vehicles sold in Moldova MODEL: DNSRR004





상호명/제조자: DENSO CORPORATION

기자재의 명칭 (모델명): 물체감지센서용 무선기기(24GHz 주파수대를

사용하는 기기)(DNSRR004)

제조연월/제조국 : See Product. / JAPAN 식별부호 : MSIP-CRM-DKR-DNSRR004

[Para los vehículos que se venden en Paraguay]
Nombre del proveedor en Paraguay: Toyotoshi S.A.
Dirección: Av.Mariscal Lopez 2801/2899 Asuncion, Paraguay

## ▶ Wireless charger

### 第十二條

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均 不得擅自變更頻率、加大功率或變更原設計之特性及功能。

### 第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機 設備之干擾。 ▶ Tire pressure warning system

TRA

REGISTERED No:

ER58534/17

DEALER No:

DA0063612/11

Type approval No.: TRC/LPD/2017/478

Identification Number: MSIP-CRM-PCX-PMV-E100

Equipment Name (Model Number): 특정소출력무선기기(PMV-E100)

Manufactured date:See product Applicant: Pacific Industrial Co., Ltd. Manufacturer: Pacific Industrial Co., Ltd.

Country of Origin: Japan



• Модель: PMV-E100

•Виробник: Pacific Industrial Co., Ltd.

• Найменування та адреса виробника або його уповноваженого представника

Pacific Industrial Co., Ltd. 1300-1 Yokoi, Godo-cho, Anpachi-Gun, Gifu-Pref., 503-2397 Јарап/Японія.

- •Діапазон частот, МГц: 433,05 434,79
- Максимальна вихідна потужність передавача, мВт (дБм): 1,0 (0);
- Справжнім Pacific Industrial Co., Ltd. заявляє, що радіопередавач системи контролю тиску та температури в шинах автомобіля відповідає Технічному регламенту радіообладнання; повний текст декларації про відповідність доступний на веб-сайті за такою адресою: <a href="https://www.pacific-ind.co.jp//eng/products/car/tpms/doc/ukr/">https://www.pacific-ind.co.jp//eng/products/car/tpms/doc/ukr/</a>

經型式認證合格之低功率射頻電機,非經許可,公司、 商號或使用者均不得擅自變更頻率、加大功率或變更原 設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法 通信;經發現有干擾現象時,應立即停用,並改善至無 干擾時方得繼續使用。

前項合法通信,指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用 電波輻射性電機設備之干擾。

GAS STATION INFORMATION					
Auxiliary catch lever	Trunk opener	Fuel filler door			
P. 513	P. 195	P. 297			
Hood lock release lever	Fuel filler door opener	CTHPIBT141  Tire inflation pressure			
P. 513	P. 297	P. 667, 668			
Fuel tank capacity (Reference)	<ul> <li>► A25A-FKS (except for Korea) and 2GR-FKS engine</li> <li>60 L (15.9 gal., 13.2 lmp. gal.)</li> <li>► A25A-FKS (for Korea) engine</li> <li>60.6 L (16.0 gal., 13.3 lmp. gal.)</li> </ul>				
Fuel type		P. 658, 671			
Cold tire inflation pressure		P. 667, 668			
Engine oil capacity (Drain and refill — reference)		P. 658			
Engine oil type	"Toyota Genuine Motor Oi	l" or equivalent P. 658			

