



Owner's Manual

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

COROLLA



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Pictorial index	Search by illustration	
For safety and security	Make sure to read through them (Main topics: Child seat, theft deterrent system)	1
Vehicle status information and indicators	Reading driving-related information (Main topics: Meters, multi-information display)	2
Before driving	Opening and closing the doors and windows, adjustment before driving (Main topics: Keys, doors, seats, power windows)	3
Driving	Operations and advice which are necessary for driving (Main topics: Starting engine, refueling)	4
Interior features	Usage of the interior features (Main topics: Air conditioner, storage features)	5
Maintenance and care	Caring for your vehicle and maintenance procedures (Main topics: Interior and exterior, light bulbs)	6
When trouble arises	What to do in case of malfunction and emergency (Main topics: Battery discharge, flat tire)	7
Vehicle specifications	Vehicle specifications, customizable features (Main topics: Fuel, oil, tire inflation pressure)	8
Index	Search by symptom	
	Search alphabetically	

For your information	5
Reading this manual.....	9
How to search	10
Pictorial index	11

1 For safety and security

1-1. For safe use	
Before driving.....	22
For safe driving	23
Seat belts.....	25
SRS airbags.....	29
Exhaust gas precautions	36
1-2. Child safety	
Riding with children.....	38
Child restraint systems	39
1-3. Theft deterrent system	
Engine immobilizer system ...	54

2 Vehicle status information and indicators

2-1. Instrument cluster	
Warning lights and indicators	56
Gauges and meters (4.2-inch display)	60
Gauges and meters (7-inch display).....	64
Multi-information display	68
Head-up display	75
Fuel consumption information	79

3 Before driving

3-1. Key information	
Keys.....	82

3-2. Opening, closing and locking the doors	
Doors	86
Trunk.....	90
Smart entry & start system ...	93
3-3. Adjusting the seats	
Front seats.....	98
Rear seats	99
Head restraints	101
3-4. Adjusting the steering wheel and mirrors	
Steering wheel	103
Inside rear view mirror	104
Outside rear view mirrors....	105
3-5. Opening and closing the windows	
Power windows.....	107
Moon roof.....	109

4 Driving

4-1. Before driving	
Driving the vehicle	114
Cargo and luggage	121
Trailer towing	122
4-2. Driving procedures	
Engine (ignition) switch (vehicles without a smart entry & start system)	128
Engine (ignition) switch (vehicles with a smart entry & start system)	129
Continuously variable transmission	133
Manual transmission.....	137
Turn signal lever	140
Parking brake.....	140

Brake Hold	143
4-3. Operating the lights and wipers	
Headlight switch.....	146
Automatic High Beam	148
Fog light switch	151
Windshield wipers and washer	151
4-4. Refueling	
Opening the fuel tank cap ...	155
4-5. Using the driving support systems	
Toyota Safety Sense.....	157
PCS (Pre-Collision System)	162
LTA (Lane Tracing Assist) ...	169
LDA (Lane Departure Alert with steering control)	179
RSA (Road Sign Assist)	187
Dynamic radar cruise control with full-speed range	189
Dynamic radar cruise control	200
BSM (Blind Spot Monitor) ...	210
RCTA (Rear Cross Traffic Alert) function	215
Driving mode select switch	220
Driving assist systems	221
4-6. Driving tips	
Winter driving tips	226

5 Interior features

5-1. Using the air conditioning system and defogger	
Manual air conditioning system	230

Automatic air conditioning system.....	234
Seat heaters	238

5-2. Using the interior lights	
Interior lights list.....	240
5-3. Using the storage features	
List of storage features	242
Trunk features.....	245
5-4. Other interior features	
Other interior features.....	246

6 Maintenance and care

6-1. Maintenance and care	
Cleaning and protecting the vehicle exterior	254
Cleaning and protecting the vehicle interior	257
6-2. Maintenance	
Maintenance requirements	260
6-3. Do-it-yourself maintenance	
Do-it-yourself service precautions	262
Hood	263
Positioning a floor jack.....	264
Engine compartment.....	266
Tires.....	272
Tire inflation pressure	274
Wheels.....	275
Air conditioning filter	276
Wireless remote control/electronic key battery	278
Checking and replacing fuses	281
Light bulbs	283

7 When trouble arises

7-1. Essential information

Emergency flashers	288
If your vehicle has to be stopped in an emergency	288
If the vehicle is trapped in rising water	290

7-2. Steps to take in an emergency

If your vehicle needs to be towed	291
If you think something is wrong	294
Fuel pump shut off system	295
If a warning light turns on or a warning buzzer sounds.....	296
If a warning message is dis- played	302
If you have a flat tire	304
If the engine will not start....	312
If you lose your keys	314
If the electronic key does not operate properly	314
If the vehicle battery is dis- charged.....	316
If your vehicle overheats.....	320
If the vehicle becomes stuck	322

8 Vehicle specifications

8-1. Specifications

Maintenance data (fuel, oil level, etc.).....	324
Fuel information	331

8-2. Customization

Customizable features	332
-----------------------------	-----

Index

What to do if... (Troubleshooting)	342
Alphabetical Index	345

For your information

Main Owner's Manual

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

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

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

Accessories, spare parts and modification of your Toyota

A wide variety of non-genuine spare parts and accessories for Toyota vehicles are currently available in the market. Using these spare parts and accessories which are not genuine Toyota products may adversely affect the safety of your vehicle, even though these parts may be approved by certain authorities in your country. Toyota Motor Corporation therefore cannot accept any liability or guarantee spare parts and accessories which

are not genuine Toyota products, nor for replacement or installation involving such parts.

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

Installation of an RF-transmitter system

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

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

Be sure to check with 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 and options with which it is equipped.

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

● Data usage

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

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

- With the consent of the vehicle owner or with the consent of the lessee if the vehicle is leased
- In response to an official request by the police, a court of law or a government agency
- For use by Toyota in a lawsuit

- For research purposes where the data is not tied to a specific vehicle or vehicle owner

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

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

Event data recorder

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

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

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

These data can help provide a bet-

ter understanding of the circumstances in which crashes and injuries occur.

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

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

● Disclosure of the EDR data

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

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

However, if necessary, Toyota may:

- Use the data for research on vehicle safety performance

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

Scrapping of your Toyota

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



WARNING

■ General precautions while driving

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

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

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

**WARNING****■ General precaution regarding children's safety**

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



Children may be able to start the vehicle or shift the vehicle into neutral.

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

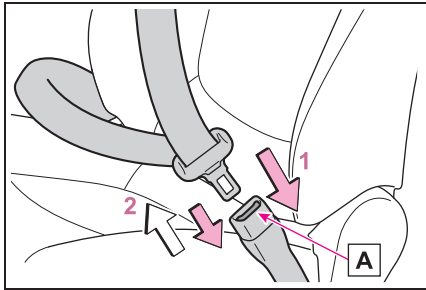
Reading this manual



Explains symbols used in this manual.

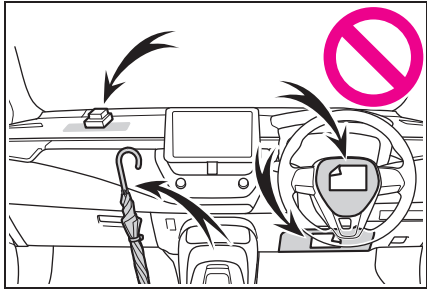
Symbols in this manual



Symbols	Meanings
	WARNING: Explains something that, if not obeyed, could cause death or serious injury to people.
	NOTICE: Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
1 2 3...	Indicates operating or working procedures. Follow the steps in numerical order.

Symbols in illustrations



Symbols	Meanings
	Indicates the action (pushing, turning, etc.) used to operate switches and other devices.
	Indicates the outcome of an operation (e.g. a lid opens).

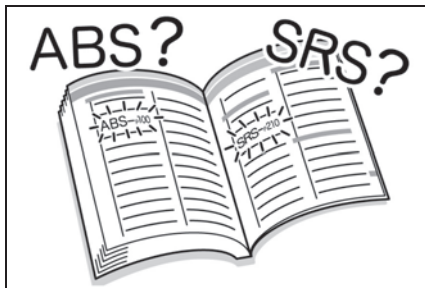


Symbols	Meanings
	Indicates the component or position being explained.
	Means Do not, Do not do this, or Do not let this happen.

How to search

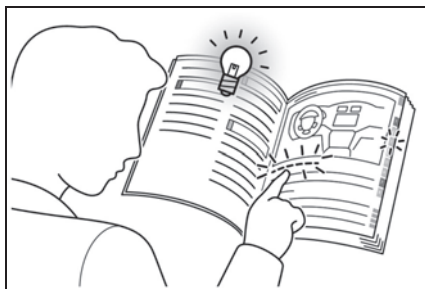
■ Searching by name

- Alphabetical index: →P.345



■ Searching by installation position

- Pictorial index: →P.11



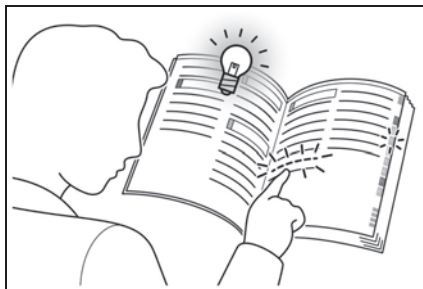
■ Searching by symptom or sound

- What to do if... (Troubleshooting): →P.342



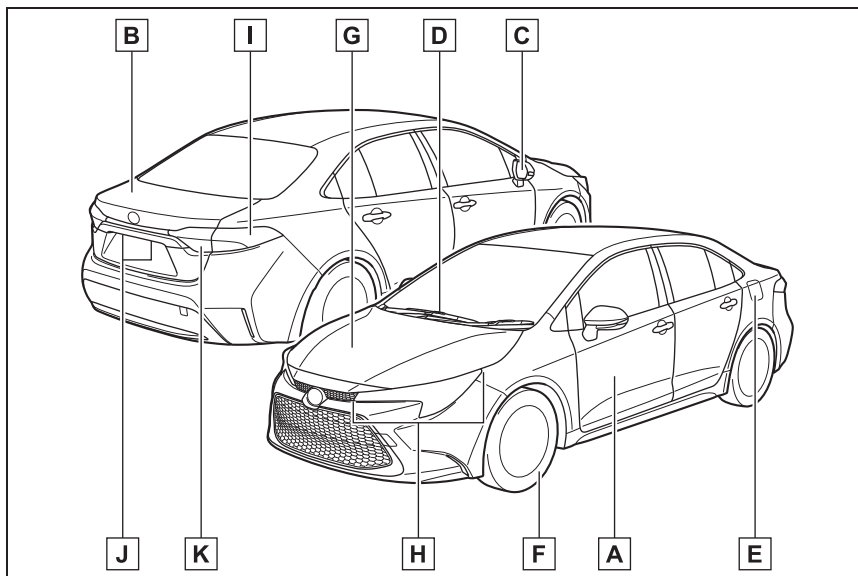
■ Searching by title

- Table of contents: →P.2



Pictorial index

■ Exterior



A	Doors.....	P.86
	Locking/unlocking	P.86
	Opening/closing the side windows	P.107
	Locking/unlocking by using the mechanical key *	P.314
	Warning messages	P.90
B	Trunk	P.90
	Opening from inside.....	P.91
	Opening from outside.....	P.91
	Warning messages	P.93
C	Outside rear view mirrors	P.105
	Adjusting the mirror angle	P.105
	Folding the mirrors	P.106
	Defogging the mirrors	P.231, 235
D	Windshield wipers	P.151
	Precautions for winter season.....	P.226
E	Fuel filler door	P.155

	Refueling method.....	P.156
	Fuel type/fuel tank capacity	P.325
F	Tires	P.272
	Tire size/inflation pressure	P.329
	Winter tires/tire chains	P.226
	Checking/rotation	P.272
	Coping with flat tires.....	P.304
G	Hood.....	P.263
	Opening	P.263
	Engine oil	P.325
	Coping with overheating	P.320

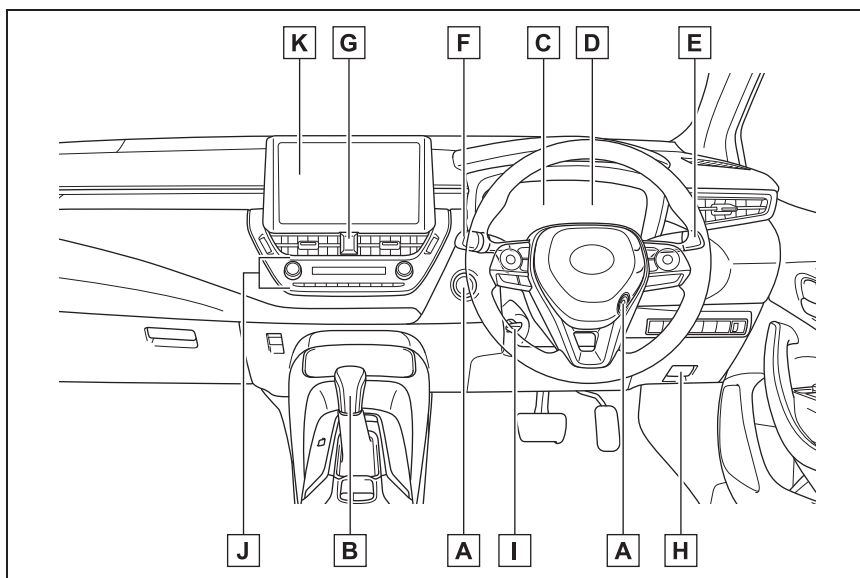
Light bulbs of the exterior lights for driving

(Replacing method: P.283, Watts: P.330)

H	Headlights/daytime running lights/front position lights/turn signal lights	P.140, 146
I	Stop lights/tail lights/turn signal lights.....	P.140, 146
J	License plate lights.....	P.146
K	Rear fog light.....	P.151
	Back-up light	
	Shifting the shift position to R	P.133, 137

*: Vehicles with a smart entry & start system

■ Instrument panel



- A Engine switch**.....P.128, 129
- Starting the engine/changing the positions^{*1}P.128
 - Starting the engine/changing the modes^{*2}P.129
 - Emergency stop of the engineP.288
 - When the engine will not startP.312
 - Warning messagesP.302
- B Shift lever**.....P.133, 137
- Changing the shift position.....P.133, 137
 - Precautions for towingP.291
 - When the shift lever does not move^{*3}P.135
- C Meters**P.60, 64
- Reading the meters/adjusting the instrument panel lightP.60, 64
 - Warning lights/indicator lightsP.56
 - When a warning light turns onP.296
- D Multi-information display**P.68

Display	P.68
When a warning message is displayed.....	P.302
E Turn signal lever	P.140
Headlight switch	P.146
Headlights/front position lights/tail lights/license plate lights/daytime running lights.....	P.146
Rear fog light.....	P.151
F Windshield wiper and washer switch	P.151
Usage.....	P.151
Adding washer fluid.....	P.271
G Emergency flasher switch.....	P.288
H Hood lock release lever	P.263
I Tilt and telescopic steering lock release lever	P.103
J Air conditioning system	P.230, 234
Usage.....	P.230, 234
Rear window defogger	P.231, 235
K Audio system*⁴	

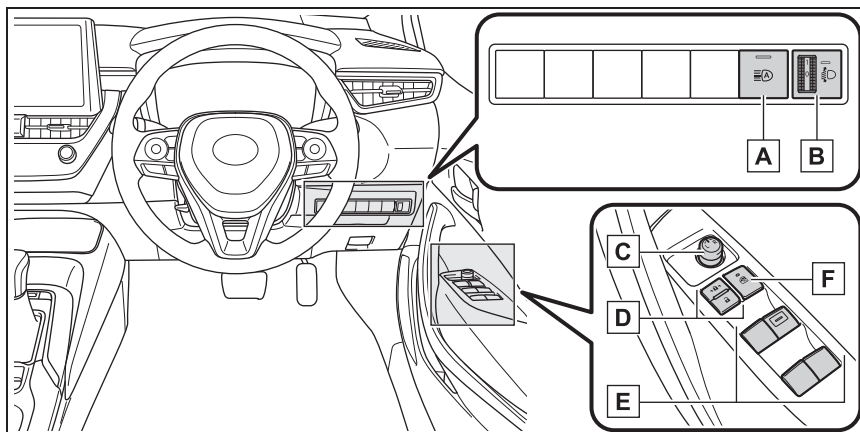
*1: Vehicles without a smart entry & start system

*2: Vehicles with a smart entry & start system

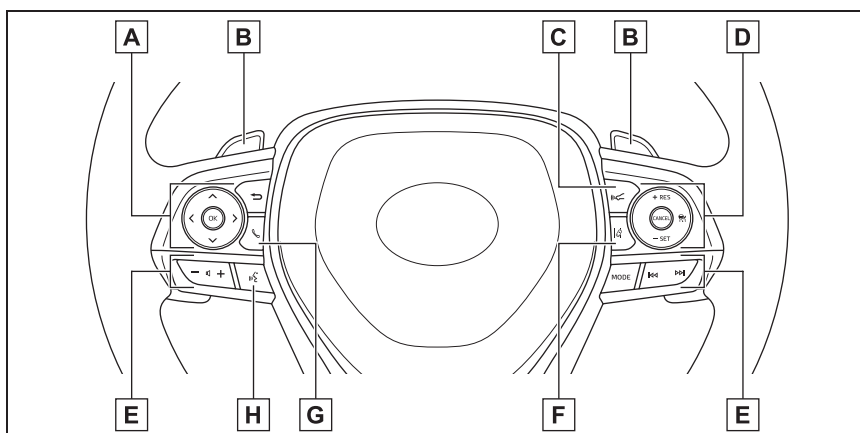
*3: Vehicles with a continuously variable transmission

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

■ Switches



- A** Automatic High Beam switchP.148
- B** Headlight leveling dialP.147
- C** Outside rear view mirror switchP.105
- D** Door lock switchesP.89
- E** Power window switches.....P.107
- F** Window lock switch.....P.109

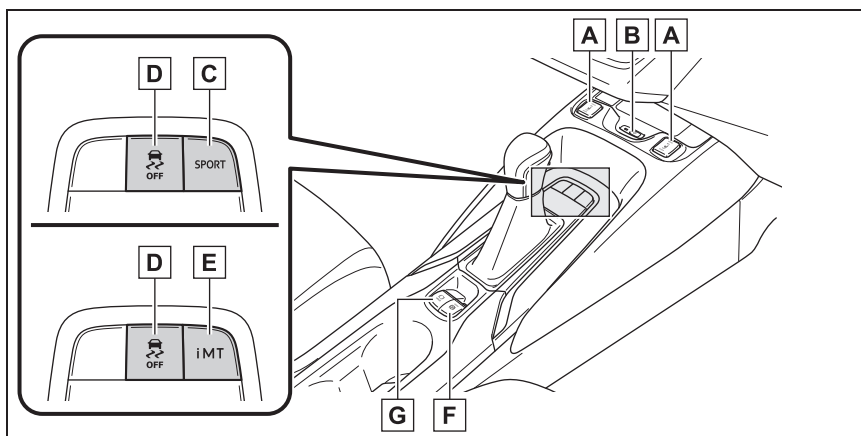


- A** Meter control switchesP.69
- B** Paddle shift switches^{*1}.....P.135

- C** Vehicle-to-vehicle distance switch.....P.194, 205
- D** Cruise control switches
 - Dynamic radar cruise control with full-speed range^{*1}P.189
 - Dynamic radar cruise control^{*1}P.200
- E** Audio remote control switches^{*2}
- F** LTA (Lane Tracing Assist) switch^{*1}P.169
 LDA (Lane Departure Alert with steering control)
 switch^{*1}P.179
- G** Phone switch^{*2}
- H** Talk switch^{*2}

^{*1}: If equipped

^{*2}: Refer to "Navigation and Multimedia System Owner's Manual".



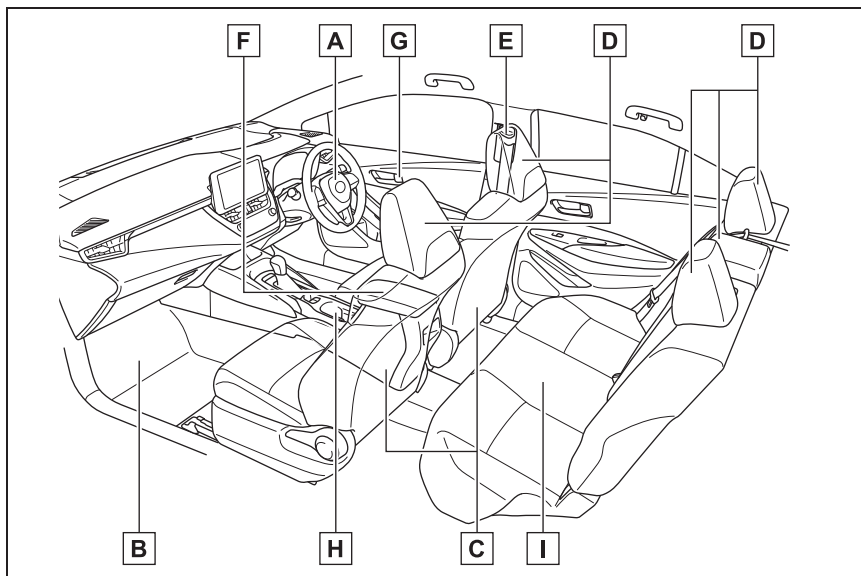
- A** Seat heater switches^{*1}P.238
- B** Wireless charger switch^{*1}P.247
- C** Sport mode switch^{*2}P.220
- D** VSC OFF switchP.221
- E** "iMT" (Intelligent Manual Transmission) switch^{*3}P.138
- F** Parking brake switchP.140
 - Precautions for winter season.....P.227
- G** Brake hold switchP.143

^{*1}: If equipped

*²: Vehicles with a continuously variable transmission

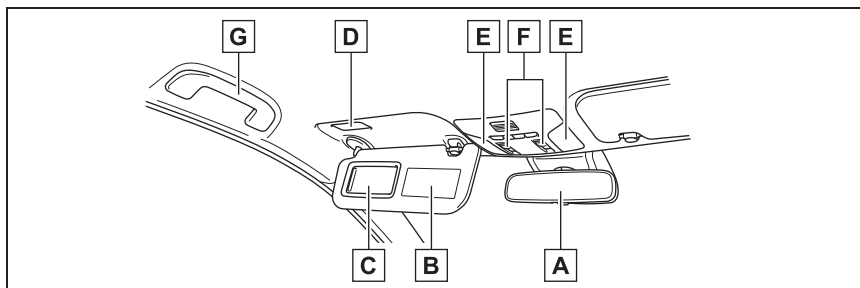
*³: Vehicles with a manual transmission

Interior



A	SRS airbags.....	P.29
B	Floor mats.....	P.22
C	Front seats.....	P.98
D	Head restraints.....	P.101
E	Seat belts	P.25
F	Console box	P.244
G	Inside lock buttons	P.89
H	Cup holders	P.243
I	Rear seats.....	P.99

■Ceiling



A	Inside rear view mirror	P.104
B	Sun visors ^{*1}	P.251
C	Vanity mirrors	P.251
D	Vanity lights	P.251
E	Interior lights/personal lights	P.240
F	Moon roof switches ^{*2}	P.109
G	Assist grips	P.252

^{*1}: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.
(→P.41)



^{*2}: If equipped

For safety and security

1

1-1. For safe use

Before driving **22**

For safe driving **23**

Seat belts **25**

SRS airbags **29**

Exhaust gas precautions **36**

1-2. Child safety

Riding with children **38**

Child restraint systems **39**

1-3. Theft deterrent system

Engine immobilizer system
..... **54**

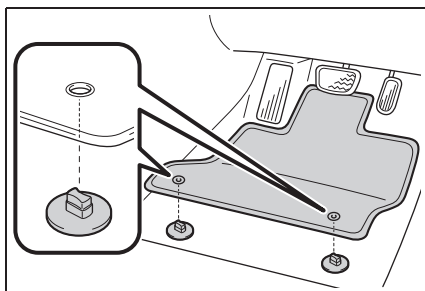
Before driving

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

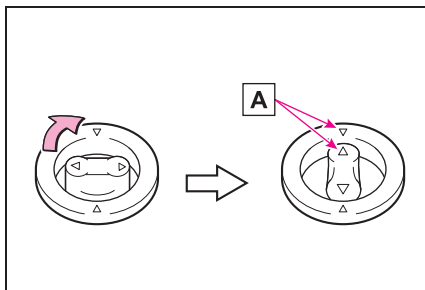
Floor mat

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 △ marks **A**.

The shape of the retaining hooks (clips)

may differ from that shown in the illustration.

⚠ WARNING

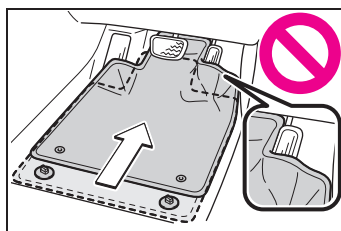
Observe the following precautions. Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

■ When installing the driver's floor mat

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

■ 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.

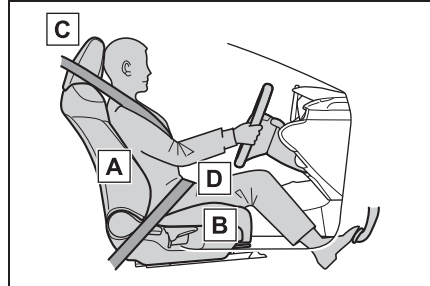


**WARNING**

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

For safe driving

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

Correct driving posture

- A** Adjust the angle of the seatback so that you are sitting straight up and so that you do not have to lean forward to steer. (→P.98)
- B** Adjust the seat so that you can depress the pedals fully and so that your arms bend slightly at the elbow when gripping the steering wheel. (→P.98)
- C** Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P.101)
- D** Wear the seat belt correctly. (→P.25)

**WARNING****For safe driving**

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

**WARNING**

- 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.
- Take care when adjusting the seat position to ensure that other passengers are not injured by the moving seat.
- When adjusting the seat position, 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.

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt. (→P.39)

Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside and outside rear view mirrors properly. (→P.104, 105)

Correct use of the seat belts

Make sure that all occupants are wearing their seat belts before driving the vehicle. (→P.25)

Seat belts

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



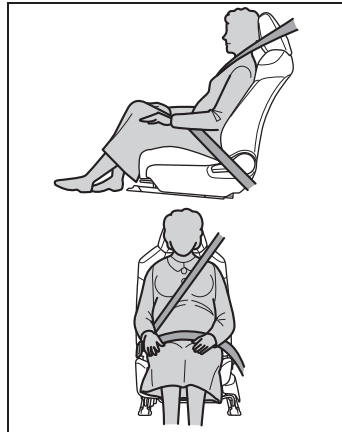
WARNING

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

■ Wearing a seat belt

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

■ Pregnant women



Obtain medical advice and wear the seat belt in the proper way. (→P.26)

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

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

■ People suffering illness

Obtain medical advice and wear the seat belt in the proper way. (→P.26)

■ When children are in the vehicle

→P.39

■ Seat belt damage and wear

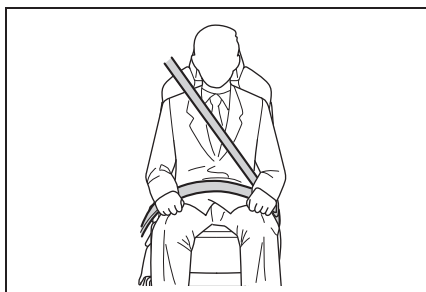
- Do not damage the seat belts by allowing the belt, plate, or buckle to be jammed in the door.



WARNING

- Inspect the seat belt system periodically. Check for cuts, fraying, and loose parts. Do not use a damaged seat belt until it is replaced. Damaged seat belts cannot protect an occupant from death or serious injury.
- Ensure that the belt and plate are locked and the belt is not twisted. If the seat belt does not function correctly, immediately contact your Toyota dealer.
- Replace the seat assembly, including the belts, if your vehicle has been involved in a serious accident, even if there is no obvious damage.
- Do not attempt to install, remove, modify, disassemble or dispose of the seat belts. Have any necessary repairs carried out by your Toyota dealer. Inappropriate handling may lead to incorrect operation.

Correct use of the seat belts



- Extend the shoulder belt so that it comes fully over the shoulder, but does not come into contact with the neck or slide off the shoulder.
- Position the lap belt as low as possible over the hips.
- Adjust the position of the

seatback. Sit up straight and well back in the seat.

- Do not twist the seat belt.

Child seat belt usage

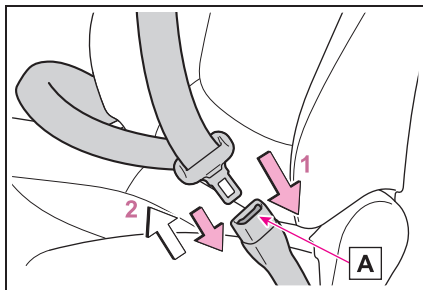
The seat belts of your vehicle were principally designed for persons of adult size.

- Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P.39)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions regarding seat belt usage. (→P.25)

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.

Fastening and releasing the seat belt



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

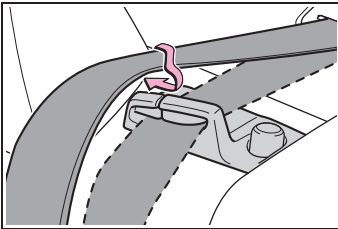
Emergency locking retractor (ELR)

The retractor will lock the belt during a sudden stop or on impact. It may also

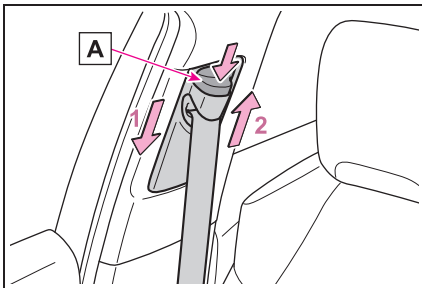
lock if you lean forward too quickly. A slow, easy motion will allow the belt to extend so that you can move around fully.

■ Rear seat belt

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



Adjusting the seat belt shoulder anchor height (front seats)



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

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

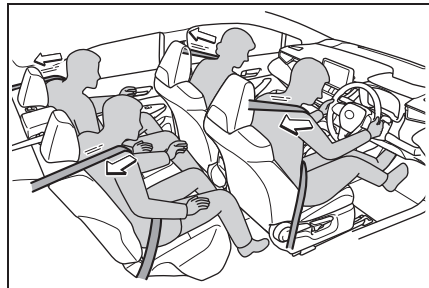


WARNING

■ Adjustable shoulder anchor

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

Seat belt pretensioners (front and outboard rear seats)



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

■ 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.

**WARNING****■ Seat belt pretensioners**

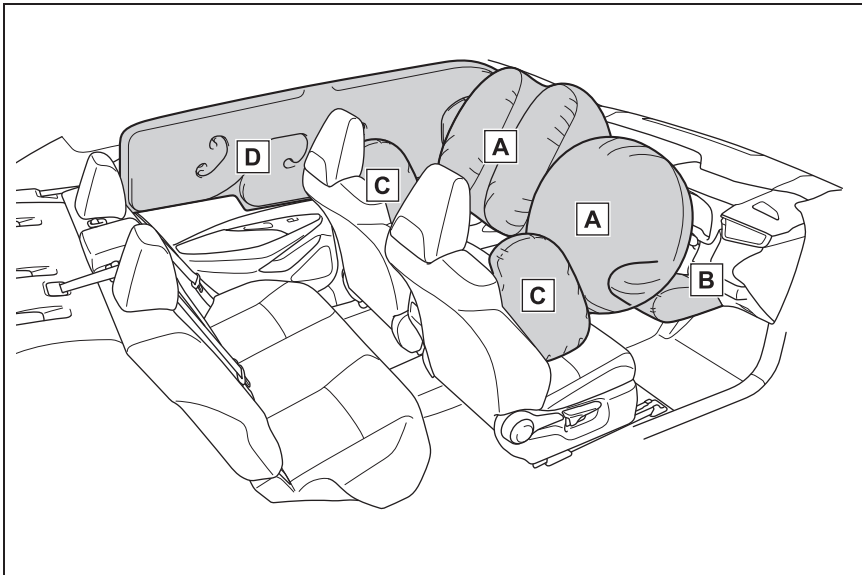
If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at your Toyota dealer.

SRS airbags

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

SRS airbag system

■ Location of the SRS airbags



► SRS front airbags

A SRS driver airbag/front passenger airbag

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

B SRS knee airbag

Can help provide driver protection

► SRS side and curtain shield airbags

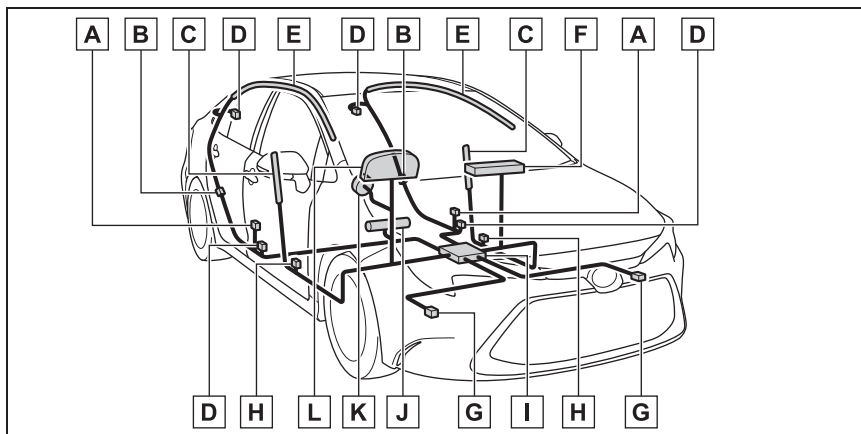
C SRS front side airbags

Can help protect the torso of the front seat occupants

D SRS curtain shield airbags

Can help protect primarily the head of occupants in the outer seats

■ SRS airbag system components



- A** Side impact sensors (front)
- B** Side impact sensors (rear)
- C** Side airbags
- D** Seat belt pretensioners and force limiters
- E** Curtain shield airbags
- F** Front passenger airbag
- G** Front impact sensors
- H** Side impact sensors (front door)
- I** Airbag sensor assembly
- J** Driver's knee airbag
- K** Driver airbag
- L** SRS warning light

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.

■ If the SRS airbags deploy (inflate)

- Slight abrasions, burns, bruising etc., may be sustained from SRS airbags, due to the extremely high speed

deployment (inflation) by hot gases.

- A loud noise and white powder will be emitted.
- Parts of the airbag module (steering

wheel hub, airbag cover and inflator) as well as the front seats, parts of the front and rear pillars, and roof side rails, may be hot for several minutes. The airbag itself may also be hot.

- The windshield may crack.
- The brakes and stop lights will be controlled automatically. (→P.221)
- The interior lights will turn on automatically. (→P.241)
- The emergency flashers will turn on automatically. (→P.288)
- Fuel supply to the engine will be stopped. (→P.295)

■ SRS airbag deployment conditions (SRS front airbags)

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

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

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

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

- The SRS side and curtain shield airbags will deploy in the event of an impact that exceeds the set threshold level (the level of force corresponding to the impact force produced by an approximately 1500 kg [3300 lb.] vehicle colliding with the vehicle cabin from a direction perpendicular to the

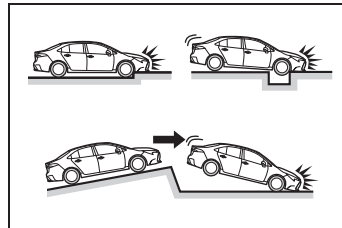
vehicle orientation at an approximate speed of 20 - 30 km/h [12 - 18 mph]).

- Both SRS curtain shield airbags may deploy in the event of a severe side collision.
- 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 side and curtain shield airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.

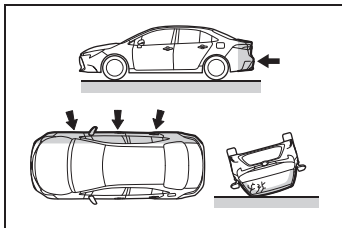
- Hitting a curb, edge of pavement or hard surface
- Falling into or jumping over a deep hole
- Landing hard or falling



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

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

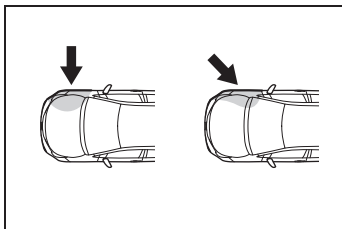
- Collision from the side
- Collision from the rear
- Vehicle rollover



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

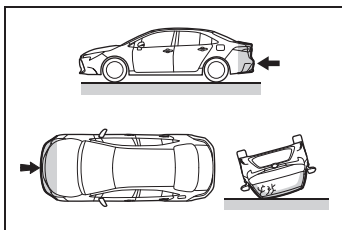
The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.

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



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

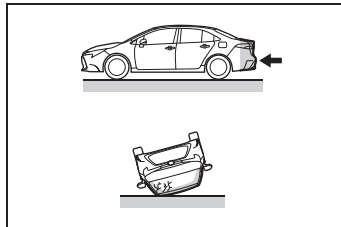
- Collision from the front
- Collision from the rear
- Vehicle rollover



The SRS curtain shield airbags do not generally inflate if the vehicle is involved

in a rear collision, if it rolls over, or if it is involved in a low-speed side or low-speed frontal collision.

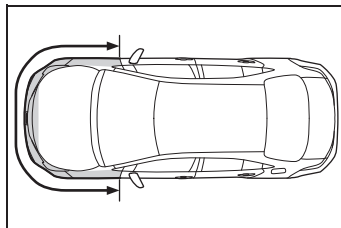
- Collision from the rear
- Vehicle rollover



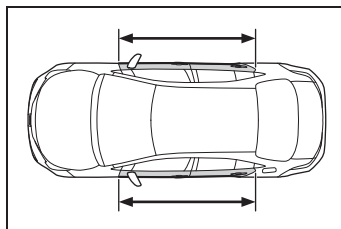
■ **When to contact your Toyota dealer**

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

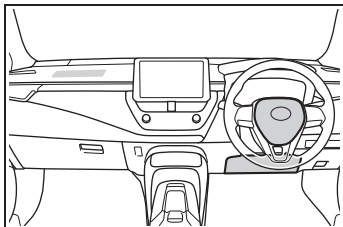
- Any of the SRS airbags have been inflated.
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS front airbags to inflate.



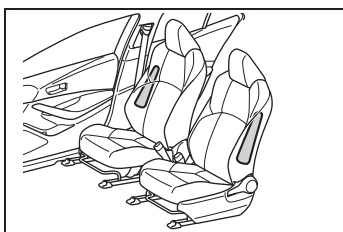
- A portion of a door or its surrounding area is damaged, deformed or has had a hole made in it, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.



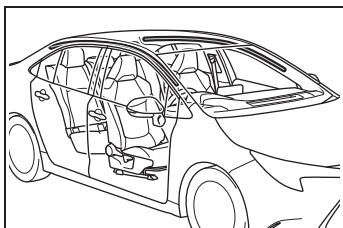
- The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.



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



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



WARNING

■ SRS airbag precautions

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

- The driver and all passengers in the vehicle must wear their seat belts properly. The SRS airbags are supplemental devices to be used with the seat belts.

- The SRS driver airbag deploys with considerable force, and can cause death or serious injury especially if the driver is very close to the airbag.

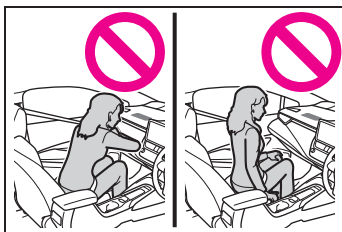
Since the risk zone for the driver's airbag is the first 50 - 75 mm (2 - 3 in.) of inflation, placing yourself 250 mm (10 in.) from your driver airbag provides you with a clear margin of safety. This distance is measured from the center of the steering wheel to your breastbone. If you sit less than 250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

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

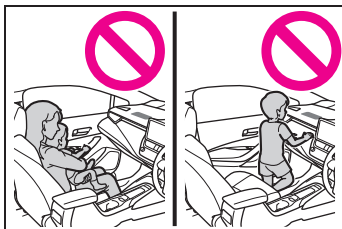
The seat should be adjusted as recommended above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.

**WARNING**

- 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.39)
- Do not sit on the edge of the seat or lean against the dashboard.



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

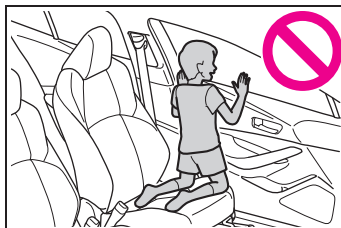


- Do not allow the front seat occupants to hold items on their knees.

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

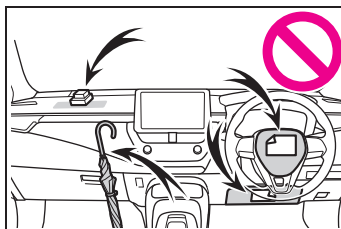


- Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle.



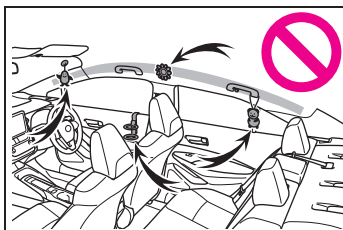
- Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad and lower portion of the instrument panel.

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

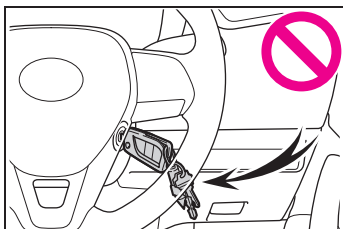


**WARNING**

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



- Vehicles without a smart entry & start system: 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.



- Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and may cause death or serious injury, should the SRS curtain shield airbags deploy.
- If a vinyl cover is put on the area where the SRS driver's knee airbag will deploy, be sure to remove it.

- Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the SRS airbags. Such accessories may prevent the side airbags from activating correctly, disable the system or cause the side airbags to inflate accidentally, resulting in death or serious injury.

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

■ 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

**WARNING**

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

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.

**WARNING****■ Exhaust pipe**

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

Riding with children

Observe the following precautions when children are in the vehicle.

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

- It is recommended that children sit in the rear seats to avoid accidental contact with the shift lever, wiper switch, etc.
- Use the rear door child-protector lock or the window lock switch to avoid children opening the door while driving or operating the power window accidentally. (→P.90, 109)
- Do not let small children operate equipment which may catch or pinch body parts, such as the power window, hood, trunk, seats, etc.



WARNING

■ When children are in the vehicle

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

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

Child restraint systems

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

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

Table of contents

Points to remember: P.39

When using a child restraint system: P.40

Child restraint system compatibility for each seating position: P.43

Child restraint system installation method: P.47

- Fixed with a seat belt: P.48
- Fixed with an ISOFIX rigid anchor: P.50
- Using a child restraint anchor fitting: P.51

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.
- Choose a child restraint system appropriate to the age and size of the child.
- Note that not all child restraint systems can fit in all vehicles. Before using or purchasing a child restraint system, check the compatibility of the child restraint system with seat positions. (→P.43)



WARNING

■ When a child is riding

Observe the following precautions.

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

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

**WARNING**

- Holding a child in your or someone else's arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield or between the holder and the interior of the vehicle.

■ Handling the child restraint system

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

- If the vehicle were to receive a strong impact from an accident, etc., it is possible that the child restraint system has damage that is not readily visible. In such cases, do not reuse the restraint system.
- Depending on the child restraint system, installation may be difficult or impossible. In those cases, check whether the child restraint system is suitable for installment in the vehicle. (→P.43) Be sure to install and observe the usage rules after carefully reading the child restraint system fixing method in this manual, as well as the operation manual enclosed with the child restraint system.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the trunk.

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

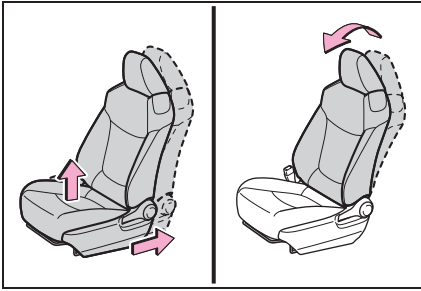
For the safety of a child, install a child restraint system to a rear seat. When installing a child restraint system to a front passenger seat is unavoidable, adjust the seat as follows and install the child restraint system:

- Move the front seat fully rearward.
- If the passenger seat height can be adjusted, adjust the seat height to the upper most position.
- 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 is achieved.

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

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

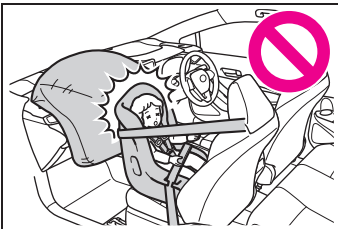
**WARNING**

■ **When using a child restraint system**

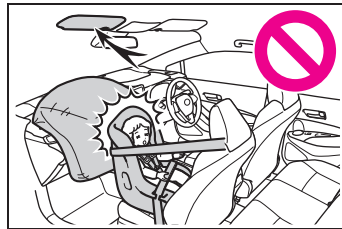
Observe the following precautions.

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

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

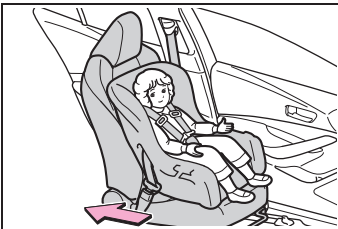


- **Extreme Hazard!** Do not use a rearward facing child restraint on a seat protected by an airbag in front of it! This is because the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child. There is a label(s) on the passenger side sun visor, indicating it is forbidden to attach a rear-facing child restraint system to the front passenger seat. Details of the label(s) are shown in the illustration below.

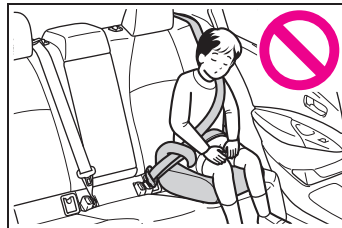


**WARNING****WARNING**

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



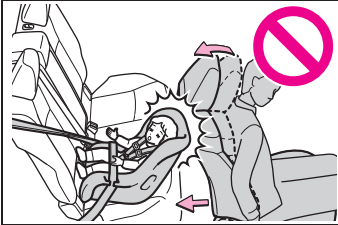
- Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front or rear pillars, or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous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

**WARNING**

- 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 left-hand rear seat.



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

Child restraint system compatibility for each seating position

■ Child restraint system compatibility for each seating position

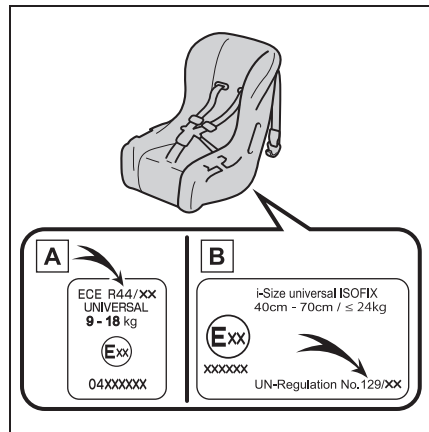
Compatibility of each seating position with child restraint systems (→P.44) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols. Check the selected child restraint system together with the following [Before confirming the compatibility 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

A UN(ECE) R44 approval mark^{*3}

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

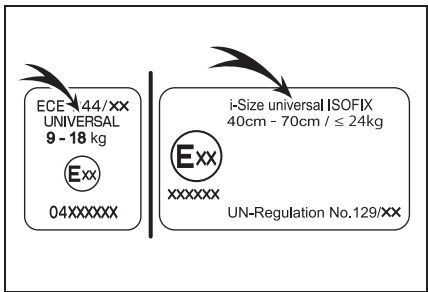
B UN(ECE) R129 approval mark^{*3}

The height range of the child who is applicable as well as available weights for an

UN(ECE) R129 approval mark is indicated.

- 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”

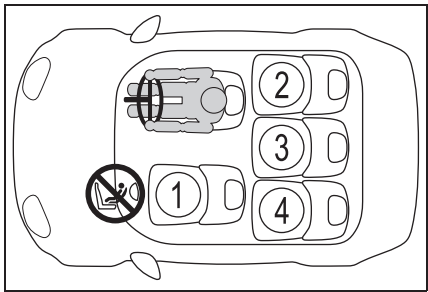


^{*1}: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

^{*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.

■ Compatibility of each seating position with child restraint systems



① ^{*1, 2, 3}	U ^{*4}	
② ^{*3}	U i	
③	U	
④ ^{*3}	U i	

- Suitable for “universal” category child restraint system fixed with the seat belt.
- Suitable for i-Size and ISOFIX child restraint system.



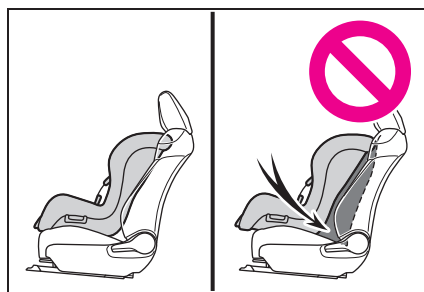
Includes a top tether anchorage point.



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

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

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



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

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

■ Detail information for child restraint systems installation

Seating position				
Seat position number	①	②	③	④
Seating position suitable for universal belted (Yes/No)	Yes Forward facing only	Yes	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	No	R1, R2X, R2
Suitable forward facing fixture (F2X/F2/F3/No)	No	F2X, F2, F3	No	F2X, F2, F3
Suitable junior seat fixture (B2/B3/No)	No	B2, B3	No	B2, B3

ISOFIX child restraint systems are divided into different “fixture”. The child restraint system can be used in the seating positions for “fixture” mentioned in the table above. For kind of “fixture” relation, confirm the following table. If your child restraint system has no kind of “fixture” (or if you cannot find

information in the table below), please refer to the child restraint system “vehicle list” for compatibility information or ask the retailer of your child seat.

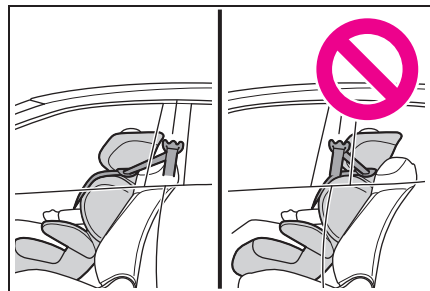
Fixture	Description
F3	Full-height, forward-facing child restraint systems
F2	Reduced-height forward-facing child restraint systems
F2X	Reduced-height forward-facing child restraint systems
R3	Full-size, rearward-facing child restraint systems
R2	Reduced-size, rearward-facing child restraint systems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

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

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

interferes with the seatback when latching it into the support base, adjust the seatback rearward until there is no interference.

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

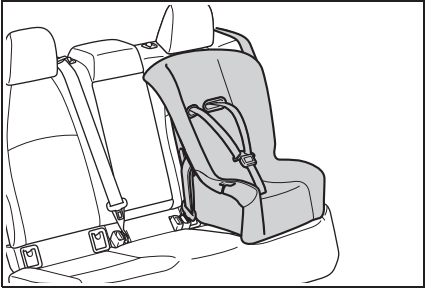


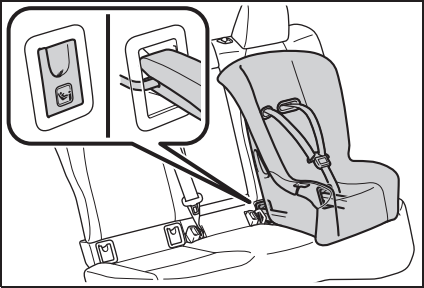
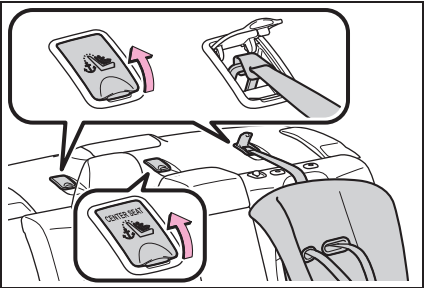
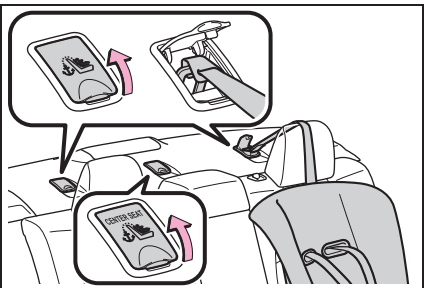
- When installing a junior seat, if the child in your child restraint

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

Child restraint system installation method

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

Installation method		Page
Seat belt attachment		P.48

Installation method		Page
ISOFIX rigid anchor attachment		P.50
Child restraint anchor fitting attachment	<p>Seats with an adjustable type head restraint:</p>  <p>Seats with an integrated type head restraint:</p> 	P.51

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 man-

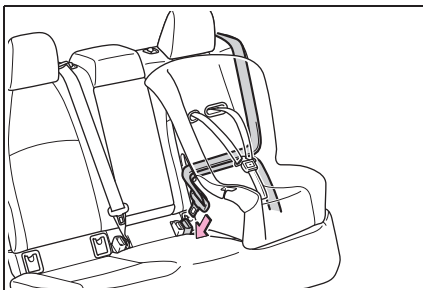
ual enclosed with the child restraint system.

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.

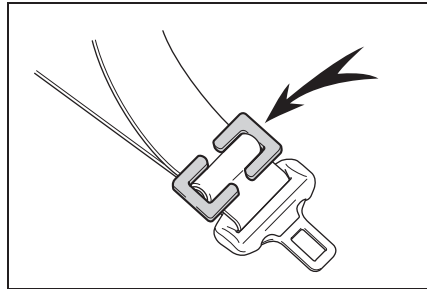
(→P.43, 44)

- 1 If installing the child restraint system to the front passenger seat is unavoidable, refer to P.40 for the front passenger seat adjustment.
- 2 If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position. (→P.101)
- 3 Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted. Securely fix the seat belt to the child restraint system in accordance to the directions enclosed with the child restraint system.



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

secure the child restraint system using a locking clip.



- 5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.50)

■ Removing a child restraint system installed with a seat belt

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

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

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

■ When installing a child restraint system

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



WARNING

■ When installing a child restraint system

Observe the following precautions.

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

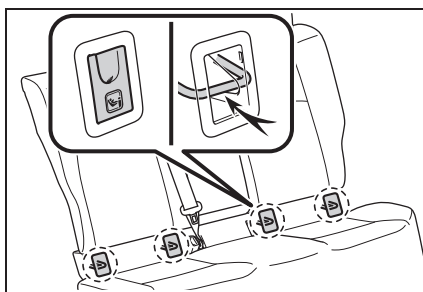
- Do not allow children to play with the seat belt. If the seat belt becomes twisted around a child's neck, it may lead to choking or other serious injuries that could result in death. If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.
- Ensure that the belt and plate are securely locked and the seat belt is not twisted.
- Shake the child restraint system left and right, and forward and backward to ensure that it has been securely installed.
- After securing a child restraint system, never adjust the seat.
- When a junior seat (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 rigid anchor

■ ISOFIX rigid anchors (ISOFIX child restraint system)

Lower anchors are provided for the outboard rear seats. (Marks displaying the location of the anchors

are attached to the seats.)



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

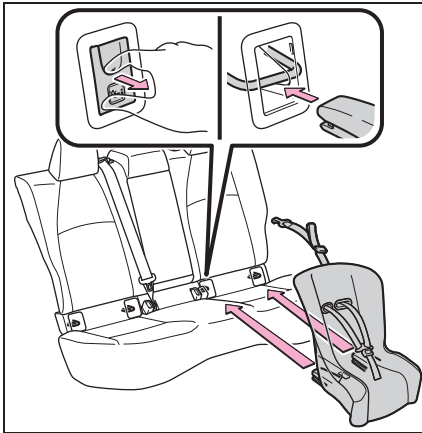
Install the child restraint system in accordance to the operation manual enclosed with the child restraint system.

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

(→P.43, 44)

- 1 If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position. (→P.101)
- 2 Remove the anchorage covers, and install the child restraint system to the seat.

The bars are installed behind the anchorage covers.



- 3** After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.50)



WARNING

■ When installing a child restraint system

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

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

■ Using child restraint anchorages

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

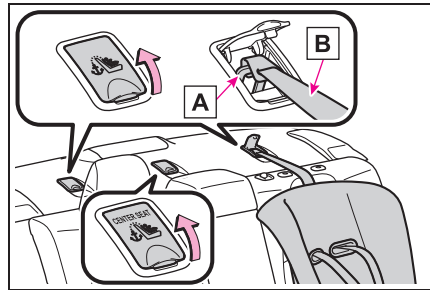
Using a child restraint anchor fitting

■ Child restraint anchor fitting

Anchor fittings are provided for each rear seat.

Use anchor fitting when fixing the strap.

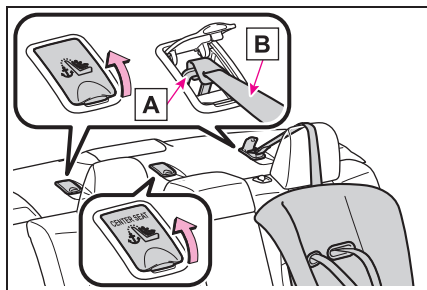
- Seats with an adjustable type head restraint



A Anchor fittings

B Upper anchorage strap

- Seats with an integrated type head restraint



- A** Anchor fittings
- B** Upper anchorage strap

■ Fixing the strap to the anchor fitting

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

- Rear outboard seats

- 1 Seats with an adjustable type head restraint: Adjust the head restraint to the upmost position.

If the head restraint interferes with the child restraint system or upper anchorage strap installation and the head restraint can be removed, remove the head restraint. (→P.101)

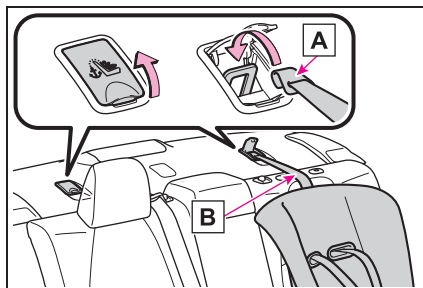
- 2 Open the anchor fitting cover, latch the attaching clip onto the anchor fitting and tighten the upper anchorage strap.

Make sure the upper anchorage strap is securely latched. (→P.50)

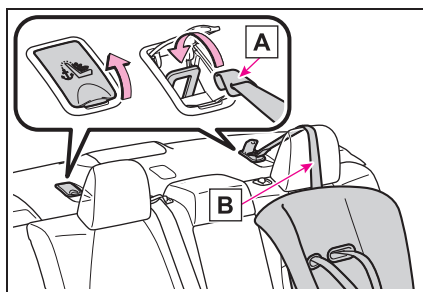
When installing the child restraint system with the head restraint being raised, be sure to have the upper anchorage strap pass underneath the head restraint.

Seats with an adjustable type head

restraint:



- A** Attaching clip
 - B** Upper anchorage strap
- Seats with an integrated type head restraint

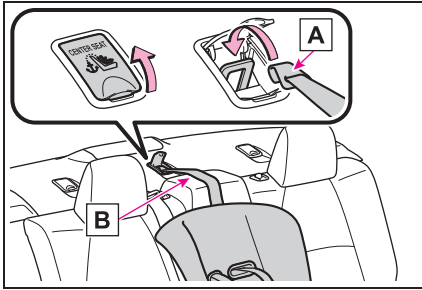


- A** Attaching clip
- B** Upper anchorage strap

- Rear center seat

Open the anchor fitting cover, latch the attaching clip onto the anchor fitting and tighten the upper anchorage strap.

Make sure the upper anchorage strap is securely latched. (→P.50)



A Attaching clip

B Upper anchorage strap



NOTICE

■ Child restraint anchor fitting

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



WARNING

■ When installing a child restraint system

Observe the following precautions.

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

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

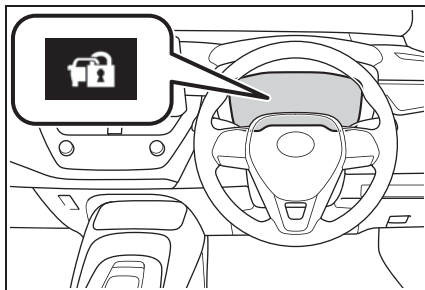
Engine immobilizer system

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.

Operating the system



- 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 ACC or ON 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.

2-1. Instrument cluster

Warning lights and indicators 56

Gauges and meters (4.2-inch display) 60

Gauges and meters (7-inch display) 64

Multi-information display 68

Head-up display 75

Fuel consumption information 79

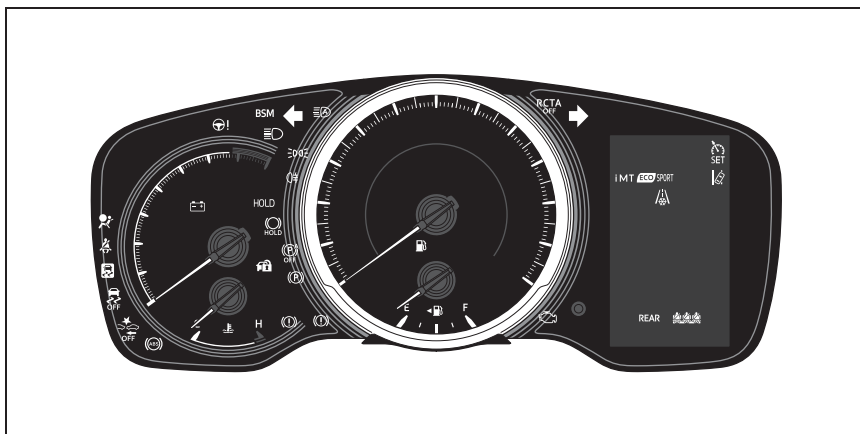
Warning lights and indicators

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.

Warning lights and indicators displayed on the instrument cluster

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

► 4.2-inch display



► 7-inch display (when analog speedometer is displayed)



► 7-inch display (when digital speedometer is displayed)



Warning lights

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



Brake system warning light^{*1}
(→P.296)



Brake system warning light^{*1}
(→P.296)



High coolant temperature
warning light^{*2} (→P.296)



Charging system warning
light^{*1} (→P.296)



Low engine oil pressure
warning light^{*2} (→P.297)



Malfunction indicator lamp^{*1}
(→P.297)



SRS warning light^{*1} (→P.297)



ABS warning light^{*1} (→P.297)



Brake Override System warn-
ing light/Drive-Start Control
warning light^{*2} (→P.298)



Electric power steering sys-
tem warning light^{*1} (→P.298)



Electric power steering sys-
tem warning light^{*1} (→P.298)



Low fuel level warning light
(→P.298)



Driver's and front passen-
ger's seat belt reminder light
(→P.299)



Rear passengers' seat
belt reminder lights
(→P.299)



LTA indicator (if equipped)
(→P.299)



LDA indicator (if equipped)
(→P.299)



RCTA OFF indicator^{*1} (if
equipped) (→P.300)





(Flashes or illuminates) PCS warning light*¹ (→P.300)



Slip indicator*¹ (→P.300)



(Flashes) Parking brake indicator (→P.301)



(Flashes) Brake hold operated indicator*¹ (→P.301)



(Orange) iMT indicator*¹ (if equipped) (→P.301)

*¹: These lights come on when the engine switch is turned to ON 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 the lights do not come on, or turn off. Have the vehicle inspected by your Toyota dealer.

*²: This light illuminates on the multi-information display.



WARNING

■ If a safety system warning light does not come on

Should a safety system light such as the ABS and SRS warning light not come on when you start the 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.

Indicators

The indicators inform the driver of

the operating state of the vehicle's various systems.



Turn signal indicator (→P.140)



Tail light indicator (→P.146)



Headlight high beam indicator (→P.147)



Automatic High Beam indicator (→P.148)



Rear fog light indicator (→P.151)



PCS warning light*^{1, 2} (→P.164)



Cruise control indicator (→P.189, 200)



Dynamic radar cruise control indicator (→P.189, 200)



Cruise control "SET" indicator (→P.189, 200)



LTA indicator (if equipped) (→P.174)



LDA indicator (if equipped) (→P.183)



BSM outside rear view mirror indicators*^{4, 5} (if equipped) (→P.211)



BSM indicator (if equipped) (→P.211)



RCTA OFF indicator*^{1, 2} (if equipped) (→P.215)



(Flashes) Slip indicator*¹ (→P.221)



VSC OFF indicator*^{1, 2} (→P.222)



Smart entry & start system



indicator*⁶ (if equipped) (→P.129)



Parking brake indicator
(→P.140)



Brake hold standby indicator*¹ (→P.143)



Brake hold operated indicator*¹ (→P.143)



Auto EPB OFF indicator*^{1, 2}
(if equipped) (→P.140)



Eco Driving Indicator
Light*¹(if equipped) (→P.71)



Low outside temperature
indicator*⁷ (→P.60, 64)



Security indicator (→P.54)



Sport mode indicator (if
equipped) (→P.220)



iMT indicator (if equipped)
(→P.138)


(Green)

*¹: These lights come on when the engine switch is turned to ON 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 the lights do not come on, or turn off. Have the vehicle inspected by your Toyota dealer.


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

*³: Depending on the operating condition, the color and illuminating/flash-ing state of the light change.

*⁴: In order to confirm operation, the BSM outside rear view mirror indicators illuminate in the following situations:

- When the engine switch is turned to ON, the BSM function is enabled on  of the multi-informa-

tion display.

- When the BSM function is enabled on  of the multi-informa-tion display, the engine switch is turned to ON.

If the system is functioning correctly, the BSM outside rear view mirror indi-cators will turn off after a few seconds.

If the BSM outside rear view mirror indi-cators do not illuminate or do not turn off, there may be a malfunction in the system.

If this occurs, have the vehicle inspected by your Toyota dealer.

*⁵: This light illuminates on the outside rear view mirrors.

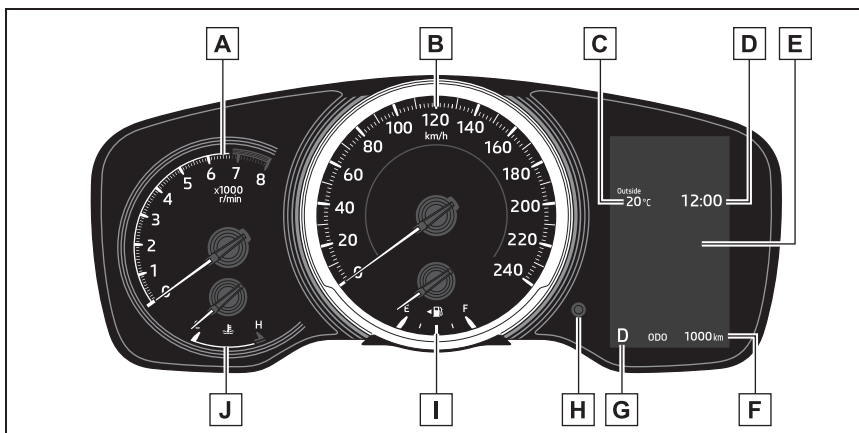
*⁶: This light illuminates on the multi-information display.

*⁷: When the outside temperature is approximately 3°C (37°F) or lower, this indicator will flash for approxi-mately 10 seconds, then stay on.

Gauges and meters (4.2-inch display)

Meter display

■ Locations of gauges and meters



A Tachometer

Displays the engine speed in revolutions per minute

B Speedometer

C Outside temperature

Displays the outside temperature within the range of -40°C (-40°F) to 50°C (122°F)

D Clock (→P.62)

E Multi-information display

Presents the driver with a variety of vehicle data (→P.68)

Displays warning messages if a malfunction occurs (→P.302)

F Odometer and trip meter display (→P.61)

G Shift position indicator (if equipped) (→P.133)

H Display change button (→P.61)

I Fuel gauge

Displays the quantity of fuel remaining in the tank

J Engine coolant temperature gauge

Displays the engine coolant temperature

■ Outside temperature display

● In the following situations, the correct outside temperature may not be dis-

played, 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.

■ Liquid crystal display

→P.69



WARNING

■ The information display at low temperatures

Allow the interior of the vehicle to warm up before using the liquid crystal information display. At extremely low temperatures, the 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.



NOTICE

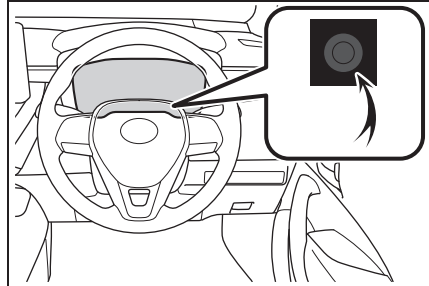
■ To prevent damage to the engine and its components

- 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.320)

Odometer and trip meter display

■ Changing the display

Press the display change button until the desired item is displayed.



■ Display items

● 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 display change button.

● Instrument panel light control

Displays the instrument panel light control display.

- The brightness of the instrument panel lights can be adjusted separately for when the tail lights are on and off.
- To adjust the brightness, display the instrument panel light control display and press and hold the display change button.

Adjusting the clock

■ Clock adjustment

The clocks on the following can be adjusted on the audio system screen.

- Multi-information display
- Multimedia system screen

■ Setting the clock to be adjusted automatically by GPS

- 1 Press the “MENU” button.
- 2 Select “Setup” on the “Menu” screen.
- 3 Select “General” on the “Setup” screen.
- 4 Select “Clock”.
- 5 Select “Auto adjust by GPS” to set to on.

■ Adjusting the clock manually

- 1 Press the “MENU” button.
- 2 Select “Setup” on the “Menu” screen.
- 3 Select “General” on the “Setup” screen.
- 4 Select “Clock”.
- 5 Select “Auto adjust by GPS” to set to off.
- 6 Adjust the displayed time.
 - Hour: Select “-” or “+” of “Hours” to adjust the hour.
 - Minute: Select “-” or “+” of “Minutes” to adjust the minute.
 - “:00”: Select to set the clock to the beginning of the nearest

hour.

e.g.

1:00 to 1:29 → 1:00

1:30 to 1:59 → 2:00

■ Setting the time zone

- 1 Press the “MENU” button.
- 2 Select “Setup” on the “Menu” screen.
- 3 Select “General” on the “Setup” screen.
- 4 Select “Clock”.
- 5 Select “Time zone”.

Select the desired time zone.

■ Setting daylight saving time

- 1 Press the “MENU” button.
- 2 Select “Setup” on the “Menu” screen.
- 3 Select “General” on the “Setup” screen.
- 4 Select “Clock”.
- 5 Select “Daylight saving time” then on/off.


■ Changing the clock between 12-hour/24-hour format

- 1 Press the “MENU” button.
- 2 Select “Setup” on the “Menu” screen.
- 3 Select “General” on the “Setup” screen.
- 4 Select “Clock”.
- 5 Select “24-Hour time format” and then on/off.

When set to off, the clock is displayed

in 12 hour time format.

■ Clock settings screen

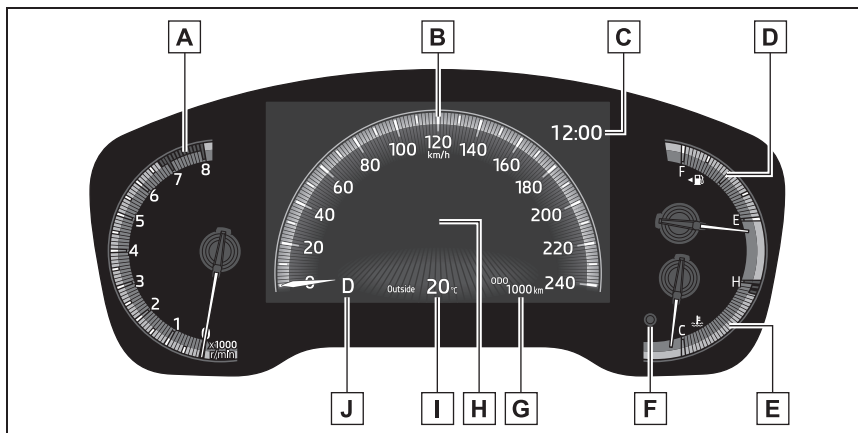
If "Clock : 00" is displayed when  is selected on the multi-information display, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

Gauges and meters (7-inch display)

Meter display

■ Locations of gauges and meters

► Analog speedometer



A Tachometer

Displays the engine speed in revolutions per minute

B Speedometer

C Clock (→P.67)

D Fuel gauge

Displays the quantity of fuel remaining in the tank

E Engine coolant temperature gauge

Displays the engine coolant temperature

F Display change button (→P.66)

G Odometer and trip meter display (→P.66)

H Multi-information display

Presents the driver with a variety of vehicle data (→P.68)

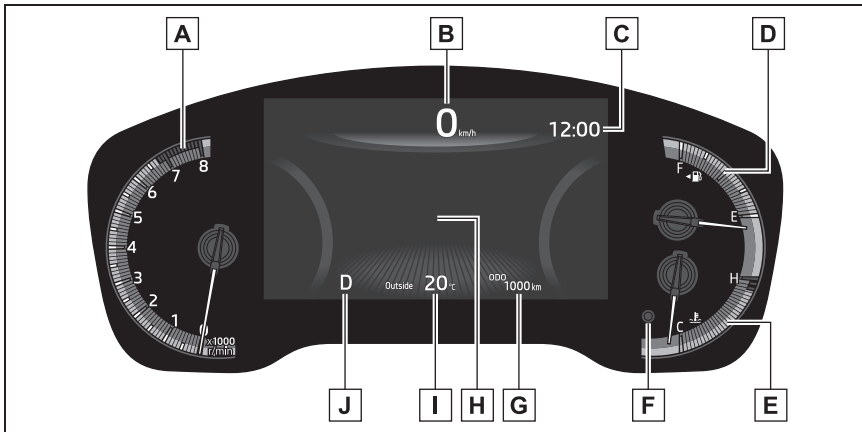
Displays warning messages if a malfunction occurs (→P.302)

I Outside temperature

Displays the outside temperature within the range of -40°C (-40°F) to 50°C (122°F)

J Shift position indicator (→P.133)

► Digital speedometer

**A** Tachometer

Displays the engine speed in revolutions per minute

B Speedometer**C** Clock (→P.67)**D** Fuel gauge

Displays the quantity of fuel remaining in the tank

E Engine coolant temperature gauge

Displays the engine coolant temperature

F Display change button (→P.66)**G** Odometer and trip meter display (→P.66)**H** Multi-information display

Presents the driver with a variety of vehicle data (→P.68)

Displays warning messages if a malfunction occurs (→P.302)

I Outside temperature

Displays the outside temperature within the range of -40°C (-40°F) to 50°C (122°F)

J Shift position indicator (→P.133)**■ 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.

■ Liquid crystal display

→P.69

■ Customization

The gauges and meters can be customized in  of the multi-information display. (→P.73)



WARNING

■ The information display at low temperatures

Allow the interior of the vehicle to warm up before using the liquid crystal information display. At extremely low temperatures, the 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.



NOTICE

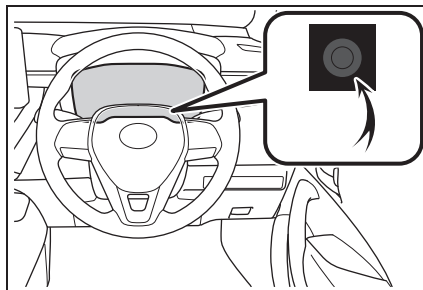
■ To prevent damage to the engine and its components

- 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.320)

Odometer and trip meter display

■ Changing the display

Press the display change button until the desired item is displayed.



■ Display items

● 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 display change button.

● Instrument panel light control

Displays the instrument panel light control display.

- The brightness of the instrument panel lights can be adjusted separately for when the tail lights are on and off.
- To adjust the brightness, display the instrument panel light control display and press and hold the display change button.

Adjusting the clock

■ Clock adjustment

The clocks on the following can be adjusted on the audio system screen.

- Multi-information display
- Multimedia system screen

■ Setting the clock to be adjusted automatically by GPS

- 1 Press the "MENU" button.
- 2 Select "Setup" on the "Menu" screen.
- 3 Select "General" on the "Setup" screen.
- 4 Select "Clock".
- 5 Select "Auto adjust by GPS" to set to on.

■ Adjusting the clock manually

- 1 Press the "MENU" button.
- 2 Select "Setup" on the "Menu" screen.
- 3 Select "General" on the "Setup" screen.
- 4 Select "Clock".
- 5 Select "Auto adjust by GPS" to set to off.
- 6 Adjust the displayed time.
 - Hour: Select "-" or "+" of "Hours" to adjust the hour.
 - Minute: Select "-" or "+" of "Minutes" to adjust the minute.
 - ":00": Select to set the clock to the beginning of the nearest

hour.

e.g.

1:00 to 1:29 → 1:00

1:30 to 1:59 → 2:00

■ Setting the time zone

- 1 Press the "MENU" button.
- 2 Select "Setup" on the "Menu" screen.
- 3 Select "General" on the "Setup" screen.
- 4 Select "Clock".
- 5 Select "Time zone".

Select the desired time zone.

■ Setting daylight saving time

- 1 Press the "MENU" button.
- 2 Select "Setup" on the "Menu" screen.
- 3 Select "General" on the "Setup" screen.
- 4 Select "Clock".
- 5 Select "Daylight saving time" then on/off.


■ Changing the clock between 12-hour/24-hour format

- 1 Press the "MENU" button.
- 2 Select "Setup" on the "Menu" screen.
- 3 Select "General" on the "Setup" screen.
- 4 Select "Clock".
- 5 Select "24-Hour time format" and then on/off.

When set to off, the clock is displayed

in 12 hour time format.

■ Clock settings screen

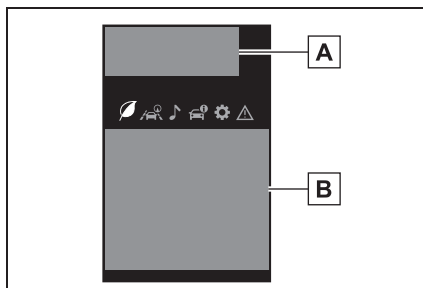
If "Clock : 00" is displayed when  is selected on the multi-information display, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

Multi-information display

Display and menu icons

■ Display

► 4.2-inch display



A Driving support system status display area

Displays an image when the following systems are operating and a menu icon

other than  is selected:

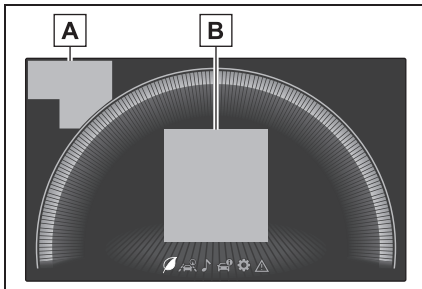
- LTA (Lane Tracing Assist) (if equipped)
- LDA (Lane Departure Alert with steering control) (if equipped)
- RSA (Road Sign Assist)
- Dynamic radar cruise control with full-speed range (if equipped)
- Dynamic radar cruise control (if equipped)


B Content display area

By selecting menu icons on the multi-information display, a variety of driving-related information can be displayed. The multi-information display can also be used to change display settings and other vehicle settings.

Warning or advice pop-up displays are also displayed in certain situations.

► 7-inch display

**A** Driving support system status display area

Displays an image when the following systems are operating and a menu icon other than  is selected:

- LTA (Lane Tracing Assist)
- RSA (Road Sign Assist)
- Dynamic radar cruise control with full-speed range

B Content display area

By selecting menu icons on the multi-information display, a variety of driving-related information can be displayed. The multi-information display can also be used to change display settings and other vehicle settings.

Warning or advice pop-up displays are also displayed in certain situations.

■ **Menu icons**

The menu icons will be displayed by pressing the < or > meter control switch.



Driving information display
(→P.70)



Driving support system information display (→P.72)



Audio system-linked display
(→P.72)



Vehicle information display
(→P.72)



Settings display (→P.73)



Warning message display
(→P.302)

■ **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.

**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.

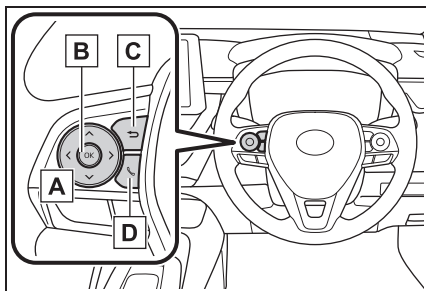
● Do not look continuously at the multi-information display while driving as you may fail to see pedestrians, objects on the road, etc. ahead of the vehicle.

■ **The information display at low temperatures**

→P.61, 66

Changing the meter display

The multi-information display is operated using the meter control switches.



- A** \leftarrow / \rightarrow : Select menu icons
 \wedge / \vee : Change displayed content, scroll up/down the screen and move the cursor up/down
- B** Press: Enter/Set
 Press and hold: Reset/Display customizable items
- C** Return to the previous screen
- D** 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 the "Navigation and Multimedia System Owner's Manual".

Content of driving information

■ Display items

- Speedometer display/Driving range (4.2-inch display)
 - Fuel economy
 - Eco Driving Indicator/Driving range (if equipped)
- **Speedometer display/Driving range (4.2-inch display)**
- Speedometer display

● Driving range

Displays driving range with remaining fuel. Use the displayed values as a reference only.

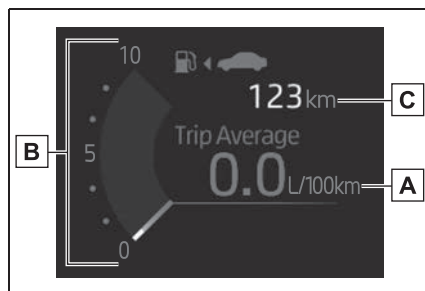
This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed.

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

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

■ Fuel economy

Use the displayed values as a reference only.



- A** Average fuel economy (after reset)

To reset the average fuel economy display, press and hold the OK meter control switch.

- B** Current fuel consumption


Displays instantaneous current fuel consumption.

- C** Driving range

Displays driving range with remaining fuel.

This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed. When only a small amount of fuel is added to the tank, the display may not be updated.

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

The average fuel economy display can be changed in . (→P.73)

- Average fuel economy (after start)

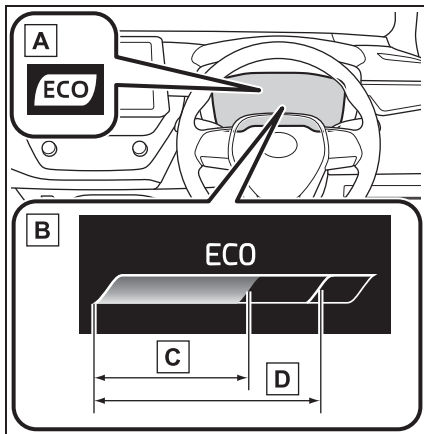
Displays the average fuel consumption since engine start.

- Average fuel economy (after refuel)

Displays the average fuel consumption since the vehicle was refueled.

■ Eco Driving Indicator/Driving range (if equipped)

- Eco Driving Indicator



A 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.

B Eco Driving Indicator Zone Display

Suggests the Zone of Eco driving with current Eco driving ratio based on acceleration.

C 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.

At this time, the Eco Driving Indicator Light will turn off.

D Zone of Eco driving

- Driving range

Displays driving range with remaining fuel. Use the displayed values as a reference only.

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

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

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

■ Eco Driving Indicator

Eco Driving Indicator will not operate under the following conditions:

- The shift lever is in any position other than D.

- A paddle shift switch is operated. (if equipped)
- The driving mode is set to sport mode.
- The vehicle speed is approximately 130 km/h (80 mph) or higher.

Driving support system information display

■ Driving support system information

Select to display the operational status of the following systems:

- LTA (Lane Tracing Assist) (if equipped) (→P.169)
- LDA (Lane Departure Alert with steering control) (if equipped) (→P.179)
- Dynamic radar cruise control with full-speed range (if equipped) (→P.189)
- Dynamic radar cruise control (if equipped) (→P.200)

■ Navigation system-linked display (if equipped)

Select to display the following navigation system-linked information:


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

■ Route guidance to destination display

When the route guidance to destination display is enabled on the head-up display, it will not be displayed on the multi-information display. (→P.76)

Audio system-linked display

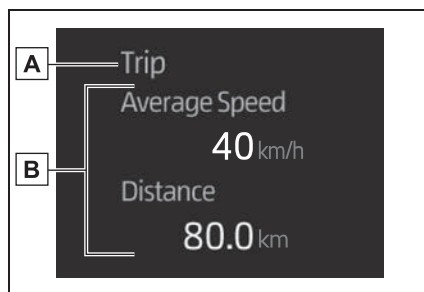
Select to enable selection of an audio source or track on the meter using the meter control switches.

This menu icon can be set to be displayed/not displayed in .

Vehicle information display

■ Drive information

Displays drive information such as the following:



A Drive information type

B Drive information items

Displays the following depending on which drive information type and drive information items were

selected in . (→P.73)

- After start
 - Distance: Displays the distance driven since engine start
 - Elapsed time: Displays the elapsed time since engine start
 - Average vehicle speed: Displays the average vehicle speed since engine start
- After reset
 - Distance: Displays the distance

driven since the display was reset*

- Elapsed time: Displays the elapsed time since the display was reset*
- Average vehicle speed: Displays the average vehicle speed since the display was reset*

*: To reset, display the desired item and press and hold the OK meter control switch.

Settings display

■ Meter display settings that can be changed

● Language

Select to change the language displayed.

● Units

Select to change the units of measure displayed.

● Speedometer display (7-inch display)

Select to set the display of the speedometer to analog/digital.

● Eco Driving Indicator Light (if equipped)

Select to enable/disable the Eco Driving Indicator Light.



● Fuel economy display

Select to change the average fuel consumption display between after start/after reset. (→P.70)



Select to display/not display the audio system linked display.



Select to change the displayed content of the following:

• Drive information type

Select to change the drive information type display between after start/after reset.

• Drive information items

Select to set the first and second items of the drive information display to any of the following: average vehicle speed/distance/elapsed time.

● Pop-up display

Select to enable/disable pop-up displays for each relevant system.

● Multi-information display off

Select to turn the multi-information display off.

To turn the multi-information display on again, press any of the following meter control switches

▲/▼/◀/▶/OK/↶.

● Default setting

Select to reset the meter display settings to the default setting.

■ Vehicle functions and settings that can be changed

→P.332

■ 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.

**WARNING****■ Cautions during setting up the display**

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

**NOTICE****■ During setting up the display**

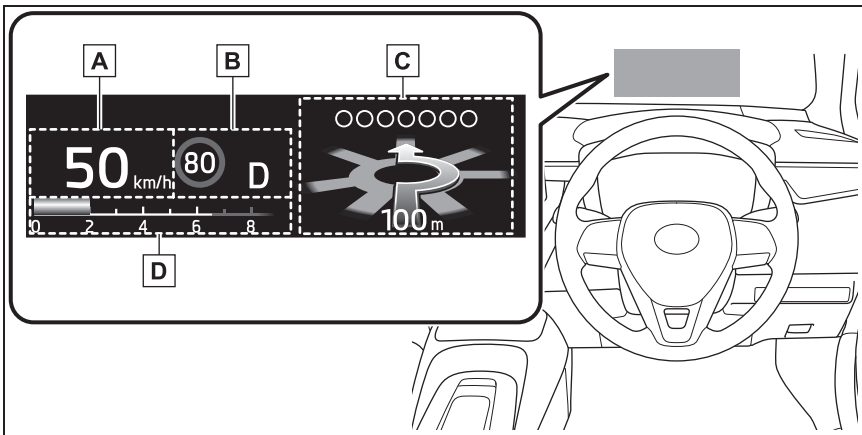
To prevent battery discharge, ensure that the engine is running while setting up the display features.

Head-up display *

*: If equipped

The head-up display projects a variety of driving-related information and the operating state of the driving support systems on the windshield.

System components



Illustrations used in this text are intended as examples, and may differ from the image that is actually displayed by the head-up display.

- A** Vehicle speed display
- B** Shift position display/RSA (Road Sign Assist) display area (→P.133, 187)
- C** Driving assist system status/navigation system-linked display area (→P.77)
- D** Tachometer/Eco Driving Indicator/Outside temperature display area (→P.78)

■ Head-up display will operate when

The engine switch is in ON.

■ When using the head-up display

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

head-up display or remove your sunglasses.

■ Street name display

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

**WARNING**

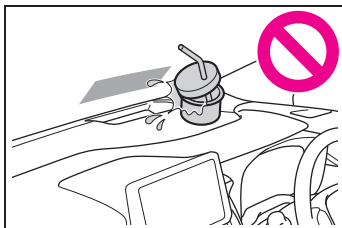
■ **When using the head-up display**

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

**NOTICE**


■ **Head-up display projector**

- Do not place any drinks near the head-up display projector. If the projector gets wet, electrical malfunctions may result.



- Do not place anything on or put stickers onto the head-up display projector. Doing so could interrupt head-up display indications.
- Do not touch the inside of the head-up display projector or thrust sharp edges or the like into the projector. Doing so could cause mechanical malfunctions.

Using the head-up display

Select  on the multi-information display (→P.73) and then “HUD Main”.

■ Enabling/disabling the head-up display

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

■ Changing the head-up display settings

Press and hold the OK meter control switch to change the following settings:

- Brightness and vertical position of the head-up display

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

- Display content

Select to change the display between the following:

- No content
- Eco Driving Indicator
- Tachometer

Select to enable/disable the following items:


- Route guidance to destination
- Driving support system display
- Compass (heading-up display)
- Audio system operation status
- Display angle

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

■ Enabling/disabling of the head-up display

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

■ Display brightness

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



WARNING

■ Caution for changing settings of the head-up display

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



NOTICE

■ When changing the settings of the head-up display

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

Driving assist system status/navigation system-linked display area

■ Driving assist system status display

Displays the operational status of the following systems:

- Dynamic radar cruise control

with full-speed range (→P.189)

- LTA (Lane Tracing Assist)
(→P.169)

Details of content displayed on the head-up display may differ from that displayed on the multi-information display. For details, refer to the explanation of each system.

■ Navigation system-linked display area

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

- Street name
- Route guidance to destination
- Compass (heading-up display)

Pop-up display

Pop-up displays for the following systems will be displayed when necessary:

■ Driving support systems

Displays a warning/suggestion/advice message or the operating state of a relevant system.

- PCS (Pre-Collision System)
(→P.162)
- Brake Override System (→P.115)
- Drive-Start Control (→P.116)

Details of content displayed on the head-up display may differ from that displayed on the multi-information display. For details, refer to the explanation of each system.

■ icon

Displayed when a warning mes-

sage is displayed on the multi-information display. (→P.302)

■ Warning message

Some warning messages are displayed when necessary, according to certain conditions.

Details of content displayed on the head-up display may differ from that displayed on the multi-information display.

■ Audio system operation status

Displayed when an audio remote control switch on the steering wheel is operated.

■ Hands-free system status

Displayed when the hands-free system is operated.

■ When a pop-up display is displayed

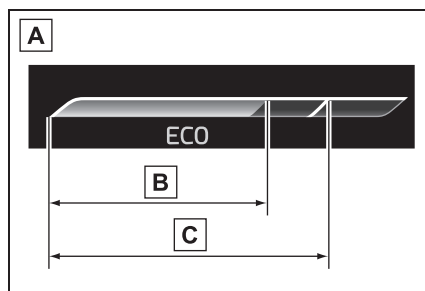
When a pop-up display is displayed, a current display may no longer be displayed. In this case, the display will return after the pop-up display disappears.

Tachometer/Eco Driving Indicator/Outside temperature display

■ Tachometer

Displays the engine speed in revolutions per minute.

■ Eco Driving Indicator



A Eco Driving Indicator Zone Display

B Eco driving ratio based on acceleration

C 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.71.

■ Outside temperature display

Displayed when the engine switch is turned to ON or when the low outside temperature indicator is flashing.

■ Outside temperature display

- When the ambient temperature is approximately 3°C (37°F) or lower, the low outside temperature indicator will flash for approximately 10 seconds and the outside temperature display will turn off. In this case, the display will be displayed again when the outside temperature becomes approximately 5°C (41°F) or higher.
- 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

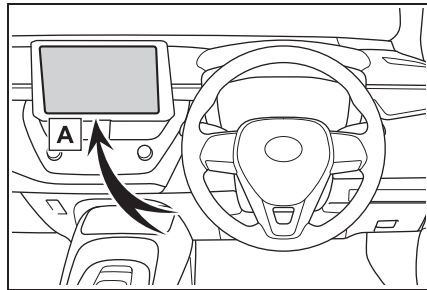
changed suddenly (at the entrance/exit of a garage, tunnel, etc.)

- When "--" or "E" is displayed, the system may be malfunctioning. Take your vehicle to your Toyota dealer.

Fuel consumption information

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

System components



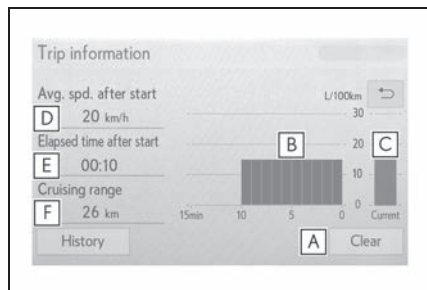
A Multimedia system screen

Consumption

■ Trip information

- 1 Press the "MENU" button.
- 2 Select "Info" on the "Menu" screen.

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



A Resetting the consumption data

B Fuel consumption in the past 15

minutes

- C** Current fuel consumption
- D** Average vehicle speed since the engine was started.
- E** Elapsed time since the engine was started.
- F** Cruising range

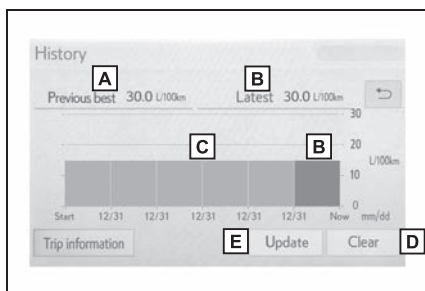
Average fuel consumption for the past 15 minutes is divided by color into past averages and averages attained since the engine switch was last turned to ON. Use the displayed average fuel consumption as a reference.

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

■ History

- 1 Press the “MENU” button.
- 2 Select “Info” on the “Menu” screen.

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



- A** Best recorded fuel consumption
- B** Latest fuel consumption
- C** Previous fuel consumption record
- D** Resetting the history data

- E** Updating the latest 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.

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

■ Updating the history data

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

■ Resetting the data

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

■ Cruising range

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

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

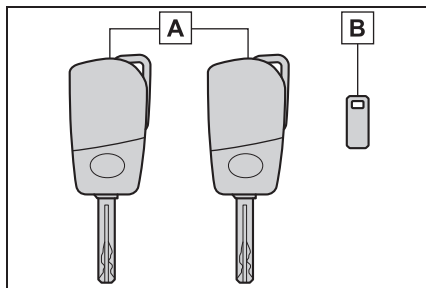
3-1. Key informationKeys..... **82****3-2. Opening, closing and locking the doors**Doors..... **86**Trunk..... **90**Smart entry & start system
..... **93****3-3. Adjusting the seats**Front seats..... **98**Rear seats **99**Head restraints **101****3-4. Adjusting the steering wheel and mirrors**Steering wheel..... **103**Inside rear view mirror **104**Outside rear view mirrors
..... **105****3-5. Opening and closing the windows**Power windows..... **107**Moon roof **109**

Keys

The keys

The following keys are provided with the vehicle.

- ▶ Vehicles without a smart entry & start system

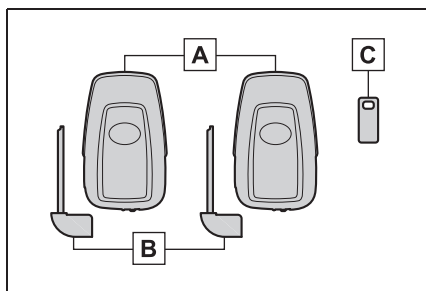


A Keys

Operating the wireless remote control function (→P.84)

B Key number plate

- ▶ Vehicles with a smart entry & start system



A Electronic keys

- Operating the smart entry & start system (→P.93)
- Operating the wireless remote control function (→P.84)

B Mechanical keys

C Key number plate

■ When riding in an aircraft

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

■ Key battery depletion

- ▶ Vehicles without a smart entry & start system

- The standard battery life is 1 to 2 years.
- The battery will become depleted even if the key is not used. The following symptoms indicate that the key battery may be depleted. Replace the battery when necessary. (→P.278)
 - The wireless remote control does not operate.
 - The detection area becomes smaller.

- ▶ Vehicles with a 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 and a message will be shown on the multi-information display when the engine is stopped.
- 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.95)
- 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.278)
 - 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 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
- If the electronic key is near the vehicle for longer than necessary, even if the smart entry & start system is not operated, the key battery may become depleted faster than normal.

■ Replacing the battery

→P.278

■ If “A New Key has been Registered Contact Your Dealer for Details” is shown on the multi-information display (vehicles with a smart entry & start system)

This message will be displayed each time the driver's door is opened when the doors are unlocked from the outside for approximately 10 days after a new electronic key has been registered.

If this message is displayed but you have not had a new electronic key registered, ask your Toyota dealer to check if an unknown electronic key (other than those in your possession) has been registered.

■ If a wrong key is used

The key cylinder rotates freely, isolated from the internal 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.
- Vehicles with a smart entry & start system: 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.
- 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.
- Vehicles with a smart entry & start system: Do not place the keys near medical electrical equipment such as low-frequency therapy equipment or microwave therapy equipment, and do not receive medical attention with the keys on your person.
- **Carrying the electronic key on your person (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.

**NOTICE**

- In case of a smart entry & start system malfunction or other key-related problems (vehicles with a smart entry & start system)

→P.314

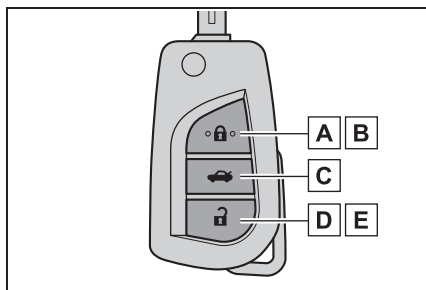
- When an electronic key is lost (vehicles with a smart entry & start system)

→P.314

Wireless remote control

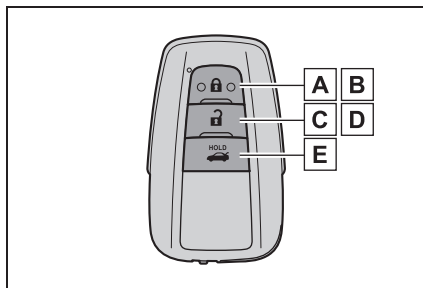
The keys are equipped with the following wireless remote control:

- Vehicles without a smart entry & start system



- A** Locks the doors (→P.86)
- B** Closes the windows^{*1}(→P.86)
- C** Opens the trunk (→P.92)
- D** Unlocks the doors (→P.86)
- E** Opens the windows^{*1} (→P.86)

- Vehicles with a smart entry & start system



- A** Locks the doors (→P.86)
- B** Closes the windows^{*1} and moon roof^{*1, 2}(→P.86)
- C** Unlocks the doors (→P.86)
- D** Opens the windows^{*1} and moon roof^{*1, 2} (→P.86)
- E** Opens the trunk (→P.92)

^{*1}: This setting must be customized at your Toyota dealer.

^{*2}: If equipped

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

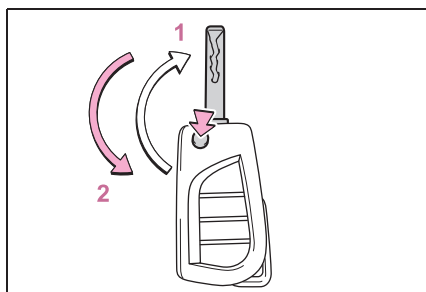
- Vehicles without a smart entry & start system

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 a wireless key (that emits 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.95

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.

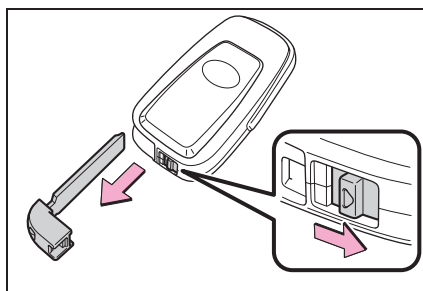
Using the mechanical key (vehicles with a smart entry & start system)

To take out the mechanical key, slide the release button 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 cyl-

inder, turn it over and re-attempt to insert it.

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key. (→P.314)



■ If you lose your mechanical keys

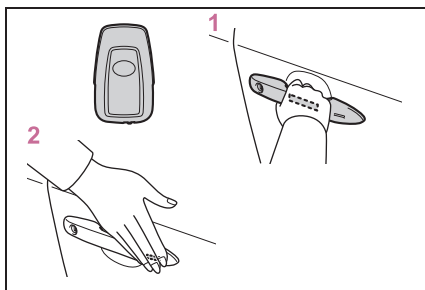
→P.314

Doors

Unlocking and locking the doors from the outside

■ Smart entry & start system (if equipped)

Carry the electronic key to enable this function.



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

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

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

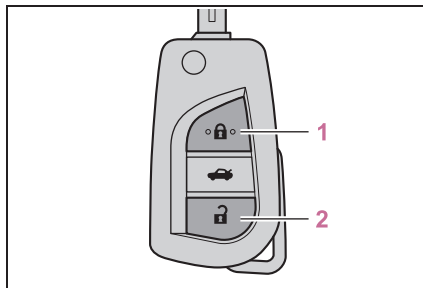
*: The door unlock settings can be changed. (→P.87, 332)

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

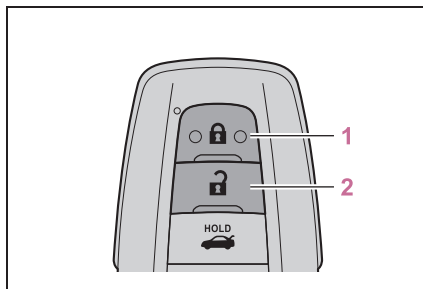
Press and hold to close the windows.*¹

- 2** Unlocks all the doors

Pressing the button unlocks the driver's door. Pressing the button again within 3 seconds unlocks the other doors.*¹

Press and hold to open the windows.*¹

- Vehicles with a smart entry & start system



- 1** Locks all the doors

Check that the door is securely locked.

Press and hold to close the windows*¹ and the moon roof.*^{1, 2}

- 2** Unlocks all the doors

Pressing the button unlocks the driver's door. Pressing the button again within 3

seconds unlocks the other doors.*¹

Press and hold to open the windows*¹ and the moon roof.*^{1, 2}

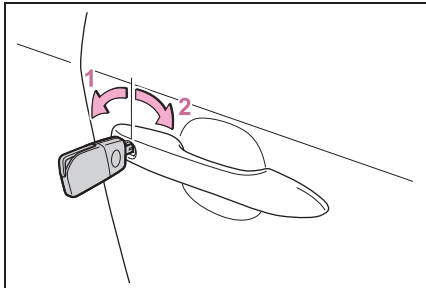
*¹: This setting must be customized at your Toyota dealer.

*²: If equipped

■ Key

Turning the key operates the doors as follows:

- ▶ Vehicles without a smart entry & start system



1 Unlocks all the doors

Turning the key unlocks the driver's door. Turning the key again unlocks the other doors.*

Turn and hold to open the windows.*

2 Locks all the doors

Turn and hold to close the windows.*

*: 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. (→P.314)

■ 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 for approximately 5 seconds while pressing and holding .

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

Multi-information display/Beep	Unlocking function
 Exterior: Beeps 3 times Interior: Pings once	Holding the driver's door handle unlocks only the driver's door.
 Exterior: Beeps twice Interior: Pings once	Holding the front passenger's door handle unlocks all the doors.
 Exterior: Beeps twice Interior: Pings once	Holding either front door handle unlocks all the doors.

■ Operation signals

- ▶ Vehicles without a smart entry & start system

The emergency flashers flash to indicate that the doors have been locked/unlocked using the wireless remote control. (Locked: Once;

Unlocked: Twice)

- Vehicles with a smart entry & start system

A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked using the entry function or wireless remote control. (Locked: Once; Unlocked: Twice)

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

*: If equipped

■ Security feature

- Vehicles without a smart entry & start system

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

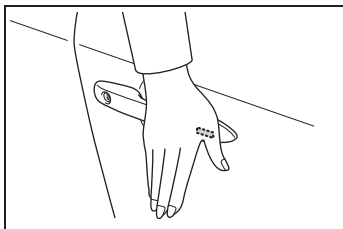
- Vehicles with a smart entry & start system

If a door is not opened within approximately 30 seconds after the vehicle is unlocked using the entry function or wireless remote control, the security feature automatically locks the vehicle again.

■ When the door cannot be locked by the lock sensor on the surface of the front door handle (vehicles with a smart entry & start system)

If the doors cannot be locked by touching the lock sensor with a finger, touch the lock sensor with the palm of your hand.

If you are wearing gloves, remove them.



■ Door lock buzzer (vehicles with a smart entry & start system)

If an attempt to lock the doors using the entry function or wireless remote control is made when a door is not fully closed, a buzzer will sound continuously for 5 seconds. Fully close the door to stop the buzzer, and lock the doors again.

■ Conditions affecting the operation of the smart entry & start system (if equipped) or wireless remote control

- Vehicles without a smart entry & start system

→P.84

- Vehicles with a smart entry & start system

→P.95

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

- Vehicles without a smart entry & start system

Replace the key battery with a new one if it is depleted. (→P.278)

- Vehicles with a smart entry & start system

Use the mechanical key to lock and unlock the doors. (→P.314)

Replace the key battery with a new one if it is depleted. (→P.278)

■ If the battery is discharged (vehicles with a smart entry & start system)

The doors cannot be locked and unlocked using the smart entry & start system or wireless remote control. Lock or unlock the doors using the mechanical key. (→P.314)

■ Customization

Some functions can be customized. (→P.332)

**WARNING**

■ **To prevent an accident**

Observe the following precautions while driving the vehicle. Failure to do so may result in a door opening and an occupant being thrown out of the vehicle, resulting in death or serious injury.

- Ensure that all doors are properly closed and locked.
- Do not pull the inside door handle while driving. Be especially careful of the driver's door, as the doors may be opened even if the inside lock buttons are in the locked position.
- Set the rear door child-protector locks when children are seated in the rear seats.

■ **When opening or closing a door**

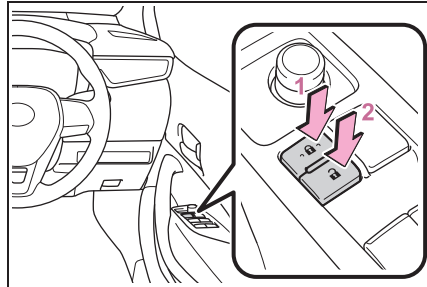
Check the surroundings of the vehicle such as whether the vehicle is on an incline, whether there is enough space for a door to open and whether a strong wind is blowing. When opening or closing the door, hold the door handle tightly to prepare for any unpredictable movement.

■ **When using the wireless remote control or the key and operating the power windows or moon roof (if equipped)**

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

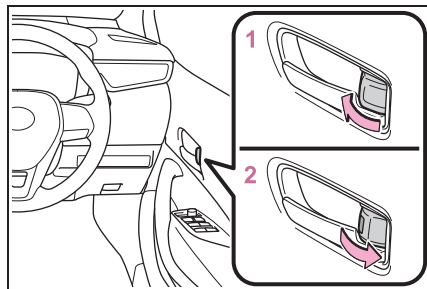
Unlocking and locking the doors from the inside

■ Door lock switches (to lock/unlock)



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

■ Inside lock buttons



- 1 Locks the door
- 2 Unlocks the door

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

■ Locking the front doors from the outside without a key

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

► Vehicles without a smart entry & start system

The door cannot be locked if 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 ACC or ON, or the electronic key is left inside the vehicle.

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

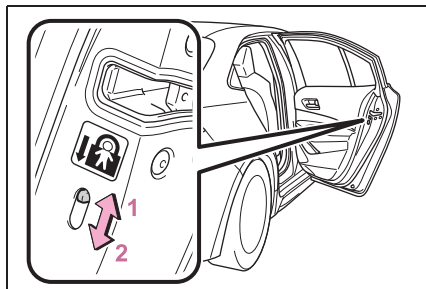
■ Open door warning buzzer

If a door or the trunk is not fully closed, a buzzer will sound when the vehicle speed reaches 5 km/h (3 mph).

The open door(s) or trunk is indicated on the multi-information display.

Rear door child-protector lock

The door cannot be opened from inside the vehicle when 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.

Trunk

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

⚠ WARNING

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

■ Before driving

- Make sure that the trunk lid is fully closed. If the trunk lid is not fully closed, it may open unexpectedly while driving and hit near-by objects or luggage in the trunk may be thrown out, causing an accident.

- Do not allow children to play in the trunk.

If a child is accidentally locked in the trunk, they could suffer from heat exhaustion, suffocation or other injuries.

- Do not allow a child to open or close the trunk lid. Doing so may cause the trunk lid to open unexpectedly, or cause the child's hands, head, or neck to be caught by the closing trunk lid.

■ Important points while driving

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

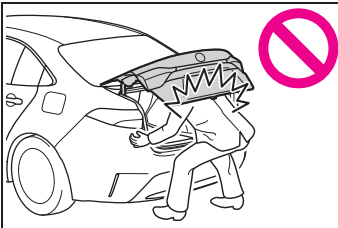
■ Using the trunk

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

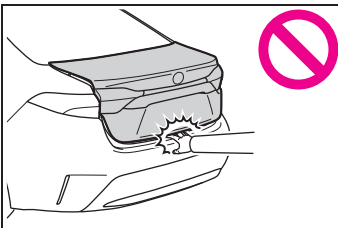
- Remove any heavy loads, such as snow and ice, from the trunk lid before opening it. Failure to do so may cause the trunk lid to suddenly shut again after it is opened.

**WARNING**

- 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.
- The trunk lid may suddenly shut if it is not opened fully. It is more difficult to open or close the trunk lid on an incline 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 closing the trunk lid, take extra care to prevent your fingers etc. from being caught.

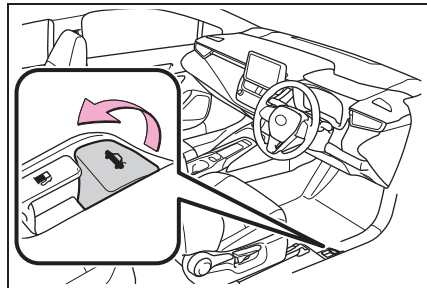


- When closing the trunk lid, make sure to press it lightly on its outer surface.

- 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.

Opening the trunk**■ Trunk opener**

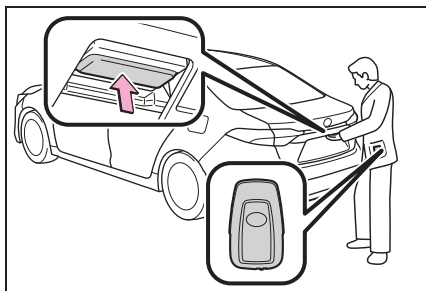
Pull the lever upward to release the trunk lid.

**■ Trunk release button (vehicles with a smart entry & start system)**

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

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

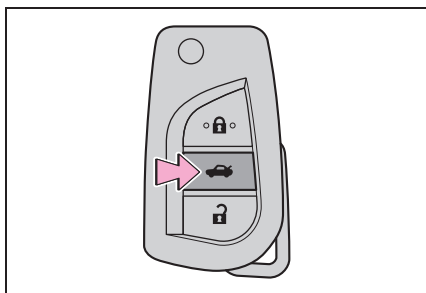
- Entry function
- Wireless remote control
- Door lock switches
- Mechanical key



■ Wireless remote control

- ▶ Vehicles without a smart entry & start system

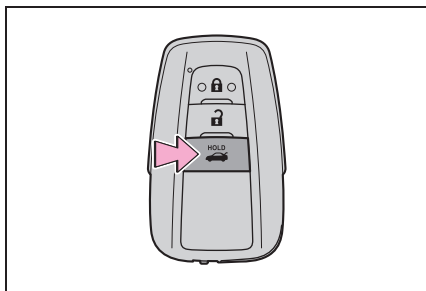
Press and hold the switch.



- ▶ Vehicles with a smart entry & start system

Press and hold the switch.

A buzzer sounds.



■ Trunk light

- The trunk light turns on when the trunk is opened.
- If the trunk light is left on when the

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

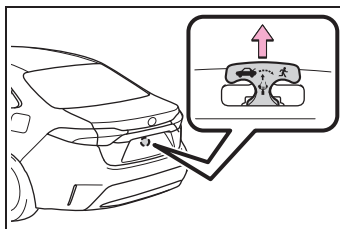
■ Function to prevent the trunk being locked with the electronic key inside (vehicles with a smart entry & start system)

- 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 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.

■ Internal trunk release lever

The trunk lid can be opened by pulling up the glow-in-the-dark lever located on the inside of the trunk lid.

The lever will continue to glow for some time after the trunk lid is closed.



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

Replace the key battery with a new one if it is depleted. (→P.278)

■ **Open door warning buzzer**

→P.90

■ **Customization**

Some functions can be customized. (→P.332)

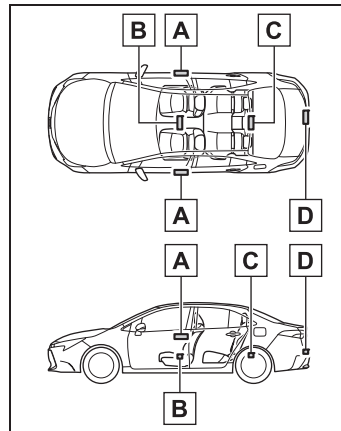
Smart entry & start system*

*: If equipped

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

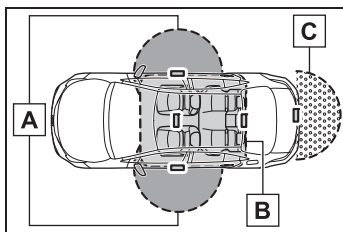
- Locks and unlocks the doors (→P.86)
- Opens the trunk (→P.91)
- Starts the engine (→P.129)

■ **Antenna location**



- A** Antennas outside the cabin
- B** Antennas inside the cabin
- C** Antenna inside the trunk
- D** Antenna outside the trunk

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



A When locking or unlocking the doors

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

B When starting the engine or changing engine switch modes

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

C When opening the trunk

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

■ **Alarms and warning messages**

A combination of exterior and interior buzzers 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 based on the displayed message. (→P.302)

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

- Exterior buzzer sounds once for 5 seconds

Situation	Correction procedure
An attempt was made to lock the vehicle while a door was open.	Close all of the doors and lock the doors again.
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 buzzer sounds continuously

Situation	Correction procedure
The engine switch was turned to ACC while the driver's door was open (or the driver's door was opened while the engine switch was in ACC).	Turn the engine switch off and close the driver's door.
The engine switch was turned to off while the driver's door was open.	Close the driver's door

■ **Battery-saving function**



The battery-saving function will be activated in order to prevent the electronic key battery and the vehicle battery from being discharged while the vehicle is not operated 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 within approximately 3.5 m (11 ft.) of the outside of the vehicle for 2 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 from

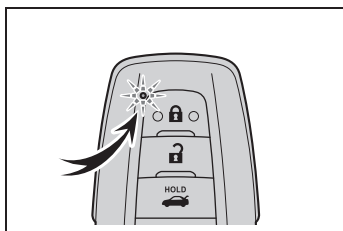
any door except the driver's door. In this case, hold the driver's door handle, or use the wireless remote control or mechanical key to unlock the doors.

■ 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 uses 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.

- 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 carrying a portable radio, cellular phone, cordless phone or other wireless communication device
- 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
 - Another vehicle's electronic key or a wireless key that emits radio waves
 - Personal computers or personal digital assistants (PDAs)
 - Digital audio players
 - Portable game systems
- If window tint with a metallic content or metallic objects are attached to the rear window
- When the electronic key is placed near a battery charger or electronic devices
- When the vehicle is parked in a pay parking spot where radio waves are emitted

If the doors cannot be locked/unlocked using the smart entry & start system, lock/unlock the doors by performing any of the following:

- Bring the electronic key close to either front door handle and operate the entry function.
- Operate the wireless remote control.

If the doors cannot be locked/unlocked using the above methods, use the mechanical key. (→P.314)

If the engine cannot be started using the smart entry & start system, refer to P.315.

■ Note for the entry function

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases:

- The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
- The electronic key is near the ground or in a high place, or too close to the center of the rear bumper 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.)
- If the doors have been locked from outside of the vehicle and are then not unlocked using the wireless remote control or smart entry & start system, the engine cannot be started using the smart entry & start system. (However, if the doors have been locked from inside the vehicle, the engine can be started using the smart entry & start system.) If it is necessary to start the engine, it can be started using the procedure in "If the electronic key does not operate properly" (→P.315).
- Touching the door lock or unlock sensor while wearing gloves may prevent lock or unlock operation.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.
- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:
 - Place the electronic key in a location 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.95)
- 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 handle operation or a handle operation immediately after entering the effective range may prevent the doors from being unlocked. Touch the door unlock sensor and check that the doors are unlocked before pulling the door handle again.
- If there is another electronic key in the

detection area, it may take slightly longer to unlock the doors after the door handle is gripped.

■ When the vehicle is not driven for extended periods

- To prevent theft of the vehicle, do not leave the electronic key within 2 m (6 ft.) of the vehicle.
- The smart entry & start system can be deactivated in advance. (→P.332)
- Setting the electronic key to battery-saving mode helps to reduce key battery depletion. (→P.95)

■ 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.)

- Do not leave the electronic key inside the trunk.
The key confinement prevention function may not operate, depending on the location of the key (the inside edge of the trunk), conditions (inside a metal bag, close to metallic objects) and the radio waves in the surrounding area. (→P.92)

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

- Locking and unlocking the doors: →P.314
- Starting the engine: →P.315

■ Customization

Some functions can be customized. (→P.332)

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

- Locking and unlocking the doors: Use the wireless remote control or mechanical key. (→P.86, 314)
- Starting the engine and changing engine switch modes: →P.315
- Stopping the engine: →P.131



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.93)

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

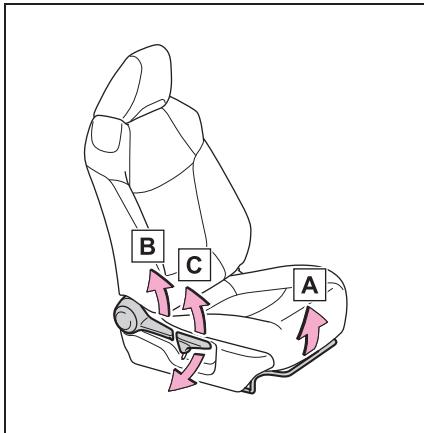
- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves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

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

Front seats

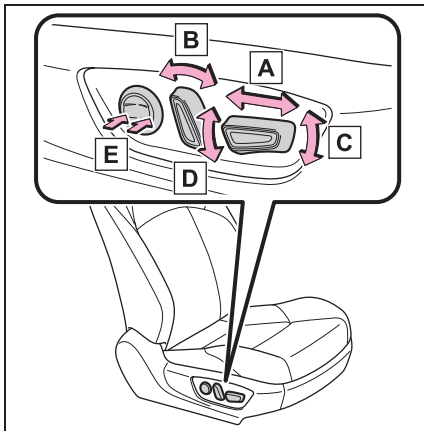
Adjustment procedure

► Manual seat



- A** Seat position adjustment lever
- B** Seatback angle adjustment lever
- C** Vertical height adjustment lever (driver's side only)

► Power seat* (driver's side only)



- A** Seat position adjustment switch

- B** Seatback angle adjustment switch
- C** Seat cushion (front) angle adjustment switch
- D** Vertical height adjustment switch
- E** Lumbar support adjustment switch

*: if equipped



WARNING

■ When adjusting the seat position

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

■ Seat adjustment

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

**WARNING**

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

**NOTICE**

■ **When adjusting a front seat**

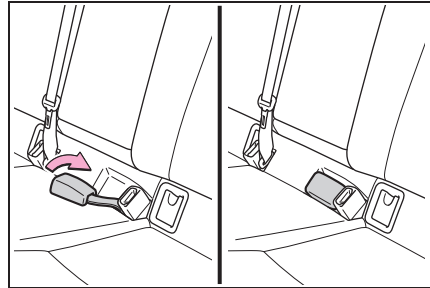
When adjusting a front seat, make sure that the head restraint does not contact the headliner. Otherwise, the head restraint and headliner may be damaged.

Rear seats

The seatbacks of the rear seats can be folded down.

Folding down the rear seatbacks

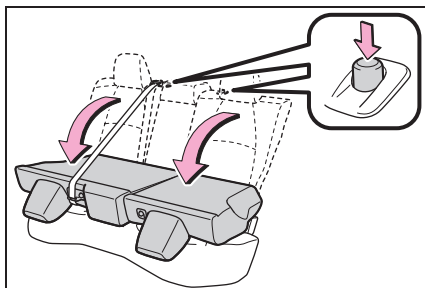
- 1 Move the front seats forward. (→P.98)
- 2 Stow the rear armrest. (→P.251)
- 3 Stow the rear center seat belt buckle.



- 4 Seats with an adjustable type head restraint: Lower the head restraints to the lowest position. (→P.101)
- 5 Fold the seatback down while pushing the seatback lock release button.

Each seatback may be folded sepa-

rately.



WARNING

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

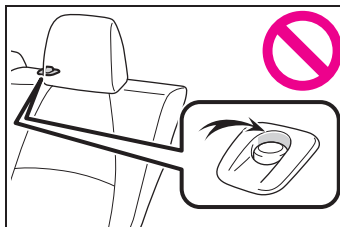
■ When folding the rear seatbacks down

- Do not fold the seatbacks down while driving.
- Stop the vehicle on level ground, set the parking brake and shift the shift lever to P (continuously variable transmission) or N (manual transmission).
- Do not allow anyone to sit on a folded seatback or in the trunk while driving.
- Do not allow children to enter the trunk.
- Be careful not to get your hand caught when folding the rear seatbacks.
- Adjust the position of the front seats before folding down the rear seatbacks so that the front seats do not interfere with the rear seatbacks when folding down the rear seatbacks.

■ After returning the rear seatback to the upright position

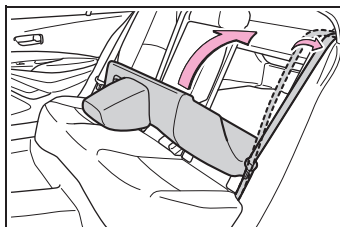
- Make sure that the seatback is securely locked in position by lightly pushing it back and forth.

If the seatback is not securely locked, the red marking will be visible on the seatback lock release button. Make sure that the red marking is not visible.



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

If the seat belt gets caught between the seatback's securing hook and latch, it may damage the seat belt.



NOTICE

■ When the right seatback is folded down

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

Head restraints

Head restraints are provided for all seats.



WARNING

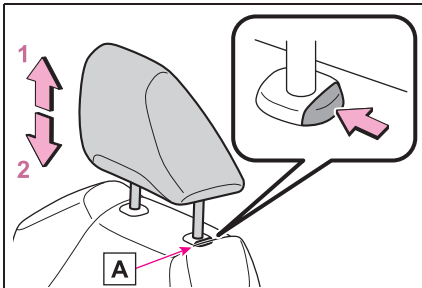
■ Head restraint precautions

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

- Use the head restraints designed for each respective seat.
- Adjust the head restraints to the correct position at all times.
- After adjusting the head restraints, push down on them and make sure they are locked in position.
- Do not drive with the head restraints removed.

Adjusting a head restraint

■ Front seats



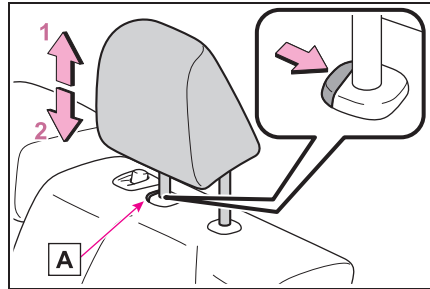
1 Up

Pull the head restraint up.

2 Down

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

■ Rear outside seats (adjustable type)



1 Up

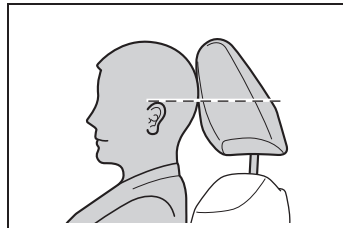
Pull the head restraint up.

2 Down

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

■ Adjusting the height of the head restraints (front seats)

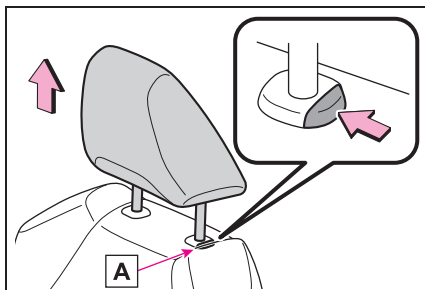
Make sure that the head restraints are adjusted so that the center of the head restraint is closest to the top of your ears.



Removing the head restraints

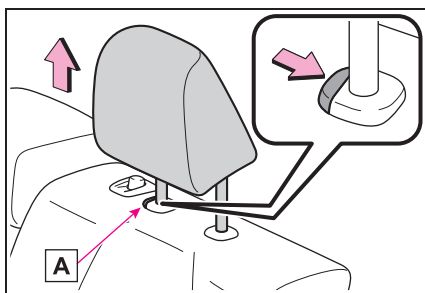
■ Front seats

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



■ Rear outside seats (adjustable type)

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

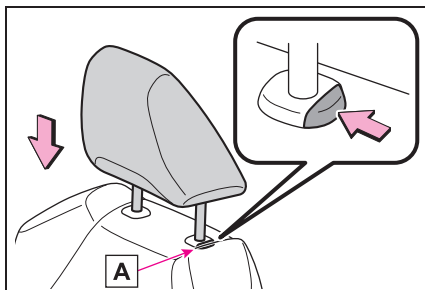


Installing the head restraints

■ Front seats

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

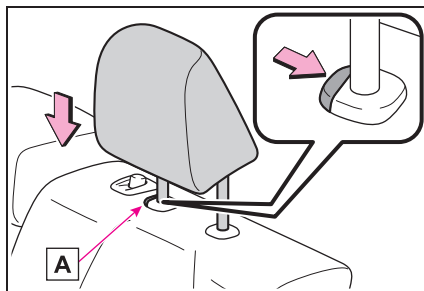
Press and hold the lock release button **A** when lowering the head restraint.



■ Rear outside seats (adjustable type)

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

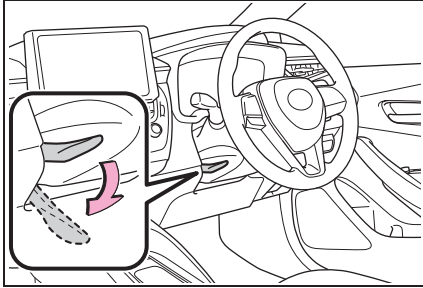
Press and hold the lock release button **A** when lowering the head restraint.



Steering wheel

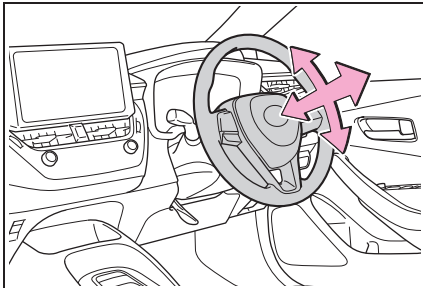
Adjustment procedure

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



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

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



WARNING

■ Caution while driving

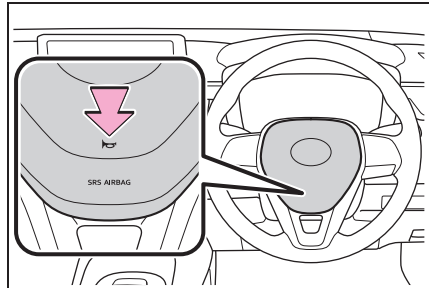
Do not adjust the steering wheel while driving. Doing so may cause the driver to mis-handle the vehicle and cause an accident, resulting in death or serious injury.

■ After adjusting the steering wheel

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

Horn

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



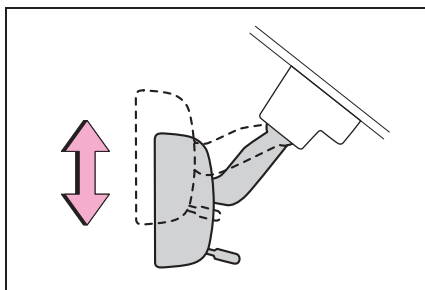
Inside rear view mirror

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.



WARNING

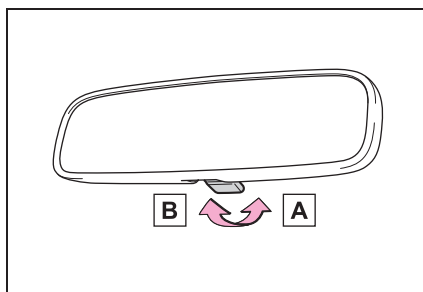
■ Caution while driving

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

Anti-glare function

- ▶ Manual anti-glare inside rear view mirror

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



A Normal position

B Anti-glare position

- ▶ Auto anti-glare inside rear view mirror

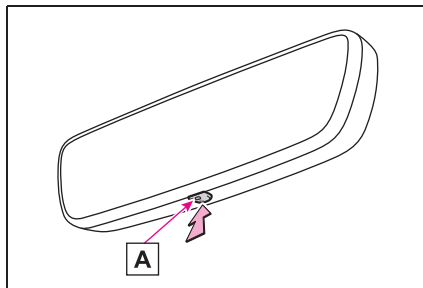
Responding to the level of brightness of the headlights of vehicles behind, the reflected light is automatically reduced.

Changing automatic anti-glare function mode

On/off

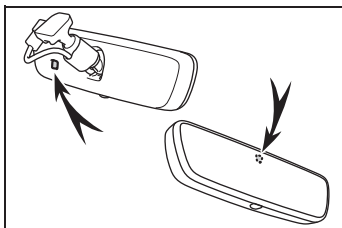
When the automatic anti-glare function is in ON mode, the indicator **A** illuminates. The function will set to ON mode each time the engine switch is turned to ON.

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



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

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



Outside rear view mirrors

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

⚠ WARNING

■ Important points while driving

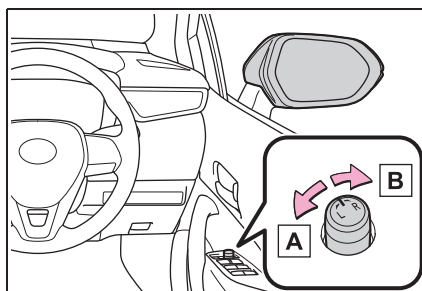
Observe the following precautions while driving.

Failure 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.

Adjustment procedure

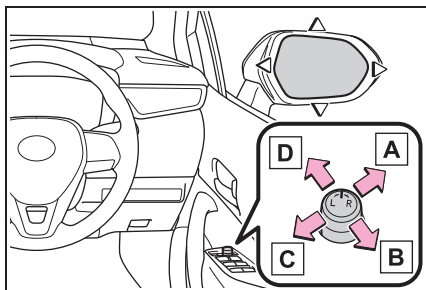
- 1 To select a mirror to adjust, turn the switch.



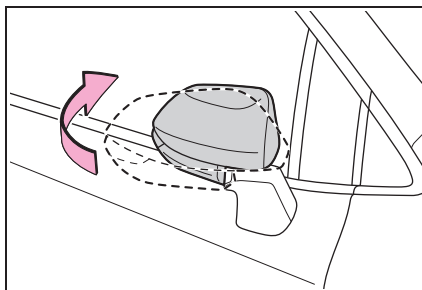
A Left

B Right

- 2 To adjust the mirror, operate the switch.



- A** Up
- B** Right
- C** Down
- D** Left



WARNING

■ When a mirror is moving

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

■ Mirror angle can be adjusted when

The engine switch is in ACC or ON.

■ When the mirrors are fogged up

The outside rear view mirrors can be cleared using the mirror defoggers. Turn on the rear window defogger to turn on the outside rear view mirror defoggers. (→P.231, 235)



WARNING

■ When the mirror defoggers are operating

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

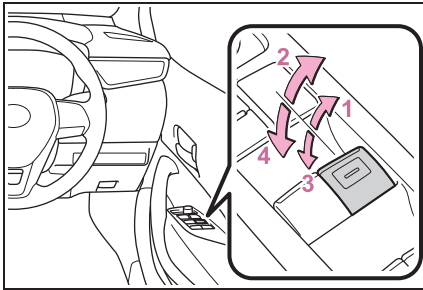
Folding the mirrors

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

Power windows

Opening and closing the power windows

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.

■ The power windows can be operated when

The engine switch is in ON.

■ Operating the power windows after turning the engine off

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

■ Jam protection function

If an object becomes jammed between the window and the window frame while the window is closing, window movement is stopped and the window is opened slightly.

■ Catch protection function

If an object becomes caught between the door and window while the window is opening, window movement is stopped.

■ When the window cannot be opened or closed

When the jam protection function or catch protection function operates unusually and the door window cannot be opened or closed, perform the following operations with the power window switch of that door.

- Stop the vehicle. With the engine switch in ON, within 4 seconds of the jam protection function or catch protection function activating, continuously operate the power window switch in the one-touch closing direction or one-touch opening direction so that the door window can be opened and closed.

- If the door window cannot be opened and closed even when performing the above operations, perform the following procedure for function initialization.

- 1 Turn the engine switch to ON.
- 2 Pull and hold the power window switch in the one-touch closing direction and completely close the door window.
- 3 Release the power window switch for a moment, resume pulling the switch in the one-touch closing direction, and hold it there for approximately 6 seconds or more.
- 4 Press and hold the power window switch in the one-touch opening direction. After the door window is completely opened, continue holding the switch for an additional 1 second or more.
- 5 Release the power window switch for a moment, resume pushing the switch in the one-touch opening direction, and hold it there for approximately 4 seconds or more.
- 6 Pull and hold the power window switch in the one-touch closing

direction again. After the door window is completely closed, continue holding the switch for a further 1 second or more.

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

If the window reverses and cannot be fully closed or opened, have the vehicle inspected by 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.87)

Vehicles with a smart entry & start system: The power windows can be opened and closed using the mechanical key.* (→P.315)

- The power windows can be opened and closed using the wireless remote control.* (→P.86)

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

■ Customization

Some functions can be customized. (→P.332)



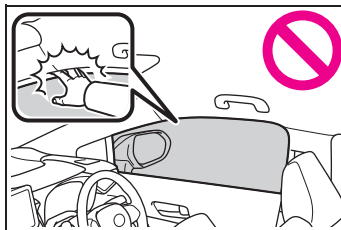
WARNING

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

■ Closing the windows

- The driver is responsible for all the power window operations, including the operation for the passengers. In order to prevent accidental operation, especially by a child, do not let a child operate the power windows. It is possible for children and other passengers to have body parts caught in the power window. Also, when riding with a child, it is recommended to use the window lock switch. (→P.109)

- 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, 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, 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.

**WARNING**

- 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.

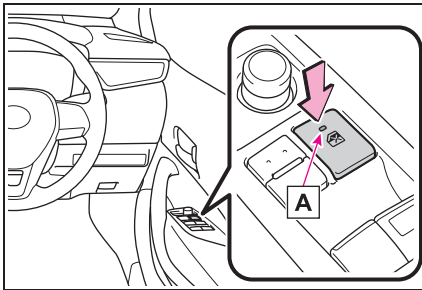
Preventing accidental operation (window lock switch)

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

Press the switch.

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

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



■ The power windows can be operated when

The engine switch is in ON.

■ When the battery is disconnected

The window lock switch is disabled. If necessary, press the window lock switch after reconnecting the battery.

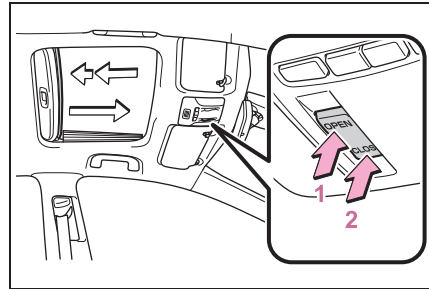
Moon roof*

*: If equipped

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

Operating the moon roof

■ Opening and closing



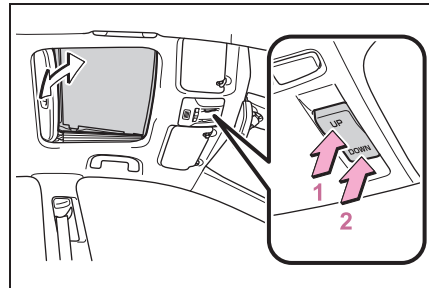
1 Opens the moon roof*

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

2 Closes the moon roof*

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

■ Tilting up and down



1 Tilts the moon roof up*

2 Tilts the moon roof down*

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

■ The moon roof can be operated when

The engine switch is in ON.

■ 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 ACC or OFF. It cannot, however, be operated once either front door is opened.

■ Jam protection function

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

■ Sunshade

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

■ Door lock linked moon roof operation

- The moon roof can be opened and closed using the mechanical key.* (→P.315)
- The moon roof can be opened and closing using the wireless remote control.* (→P.86)

*: 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.

■ Customization

Some functions can be customized.
(→P.332)



WARNING

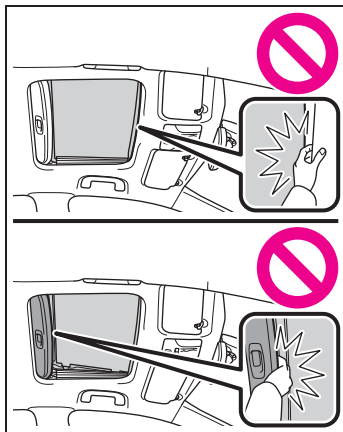
Observe the following precautions.
Failure to do so may cause death or serious injury.

■ Opening the moon roof

- Do not allow any passengers to put their hands or 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 moon roof switch is being pressed. Take care so that your fingers, etc. do not get caught.

4-1. Before driving

Driving the vehicle	114
Cargo and luggage	121
Trailer towing	122

4-2. Driving procedures

Engine (ignition) switch (vehicles without a smart entry & start system)	128
Engine (ignition) switch (vehicles with a smart entry & start system)	129
Continuously variable transmission	133
Manual transmission	137
Turn signal lever	140
Parking brake	140
Brake Hold	143

4-3. Operating the lights and wipers

Headlight switch	146
Automatic High Beam	148
Fog light switch	151
Windshield wipers and washer	151

4-4. Refueling

Opening the fuel tank cap	155
---------------------------------	------------

4-5. Using the driving support systems

Toyota Safety Sense	157
PCS (Pre-Collision System)	162

LTA (Lane Tracing Assist)	169
---------------------------------	------------

LDA (Lane Departure Alert with steering control)	179
--	------------

RSA (Road Sign Assist)	187
-----------------------------	------------

Dynamic radar cruise control with full-speed range	189
--	------------

Dynamic radar cruise control	200
------------------------------------	------------

BSM (Blind Spot Monitor)	210
--------------------------------	------------

RCTA (Rear Cross Traffic Alert) function	215
--	------------

Driving mode select switch	220
----------------------------------	------------

Driving assist systems	221
------------------------------	------------

4-6. Driving tips

Winter driving tips	226
---------------------------	------------

Driving the vehicle

The following procedures should be observed to ensure safe driving:

Driving procedure

■ Starting the engine

→P.128, 129

■ Driving

- ▶ Continuously variable transmission
 - 1 With the brake pedal depressed, shift the shift lever to D. (→P.133)
 - 2 If the parking brake is in manual mode, release the parking brake. (→P.140)
 - 3 Gradually release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.
- ▶ Manual transmission
 - 1 While depressing the clutch pedal, shift the shift lever to 1. (→P.137)
 - 2 If the parking brake is in manual mode, release the parking brake. (→P.140)
 - 3 Gradually release the clutch pedal. At the same time, gently depress the accelerator pedal to accelerate the vehicle.

■ Stopping

- ▶ Continuously variable transmission
 - 1 With the shift lever in D, depress the brake pedal.
 - 2 If necessary, set the parking brake.

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P. (→P.133)

▶ Manual transmission

- 1 While depressing the clutch pedal, 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 N. (→P.137)

■ Parking the vehicle

- ▶ Continuously variable transmission
 - 1 With the shift lever in D, depress the brake pedal to stop the vehicle completely.
 - 2 Set the parking brake (→P.140), and shift the shift lever to P. (→P.133)

Check the parking brake indicator is illuminated.

- 3 Vehicles without a smart entry & start system: Turn the engine switch to OFF to stop the engine.
Vehicles with a smart entry & start system: Press the engine switch to stop the engine.
- 4 Slowly release the brake pedal.

- 5 Lock the door, making sure that you have the key on your person.

If parking on a hill, block the wheels as needed.

► Manual transmission

- 1 While depressing the clutch pedal, depress the brake pedal to stop the vehicle completely.
- 2 Set the parking brake. (→P.140)

Check that the parking brake indicator is illuminated.

- 3 Shift the shift lever to N.
(→P.137)

If parking on a hill, shift the shift lever to 1 or R and block the wheels as needed.

- 4 Vehicles without a smart entry & start system: Turn the engine switch to OFF to stop the engine.
Vehicles with a smart entry & start system: Press the engine switch to stop the engine.

- 5 Slowly release the brake pedal.
- 6 Lock the door, making sure that you have the key on your person.

■ **Starting off on a steep uphill**

► Continuously variable transmission

- 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.

► Manual transmission

- 1 With the parking brake firmly set and the clutch pedal fully depressed, shift the shift lever to 1.
- 2 Lightly depress the accelerator pedal at the same time as gradually releasing the clutch pedal.
- 3 Release the parking brake.

■ **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 (vehicles with a continuously variable transmission)**

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
- When the brake pedal is depressed while sport mode is selected

■ **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 while the system is operating.

■ **Restraining sudden start (Drive-Start Control [vehicles with a continuously variable transmission])**

- When the following unusual operation is performed, the engine output may be restrained.
- When the shift lever is shifted from R to D, D to R, N to R, P to D*, or P to R* (D includes M) with the accelerator pedal depressed, a warning message appears on the multi-information display. If a warning message is shown on the multi-information display, read the message and follow the instruction.
- When the accelerator pedal is depressed too much while the vehicle is in reverse.

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

- While Drive-Start Control is being activated, your vehicle may have trouble escaping from the mud or fresh snow. In such case, deactivate TRC (→P.222) to cancel Drive-Start Control so that the vehicle may become able to escape from the mud or fresh snow.

■ **Breaking in your new Toyota**

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

- For the first 300 km (186 miles):
Avoid sudden stops.
- For the first 800 km (500 miles):
Do not tow a trailer.
- For the first 1000 km (621 miles):
 - Do not drive at extremely high speeds.
 - Avoid sudden acceleration.
 - Do not drive continuously in low gears.
 - Do not drive at a constant speed for extended periods.

■ **Operating your vehicle in a foreign country**

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P.325)



WARNING

Observe the following precautions.

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

■ **When starting the vehicle (vehicles with a continuously variable transmission)**

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.

**WARNING**

- 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.288

- Use engine braking (downshift) to maintain a safe speed when driving down a steep hill.
Using the brakes continuously may cause the brakes to overheat and lose effectiveness. (→P.133, 137)

- Do not adjust the positions of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
Doing so may result in a loss of vehicle control.

- Always check that all passengers' arms, heads or other parts of their body are not outside the vehicle.

■ When driving on slippery road surfaces

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle.
- Sudden acceleration, engine braking due to shifting, or changes in engine speed could cause the vehicle to skid.

- 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

- Vehicles with a continuously variable transmission: 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.

- Vehicles with a continuously variable transmission: Do not shift the shift lever to P while the vehicle is moving. Doing so can damage the transmission and may result in a loss of vehicle control.

- Do not shift the shift lever to R while the vehicle is moving forward. Doing so can damage the transmission and may result in a loss of vehicle control.

- Do not shift the shift lever to a driving position while the vehicle is moving backward. Doing so can damage the transmission and may result in a loss of vehicle control.

- Moving the shift lever to N while the vehicle is moving will disengage the engine from the transmission. Engine braking is not available when N is selected.

**WARNING**

- Vehicles with a continuously variable transmission: Be careful not to shift the shift lever with the accelerator pedal depressed. Shifting the shift lever to any positions 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.

■ When the vehicle is stopped

- Do not race the engine.
If the vehicle is in any gear other than P (continuously variable transmission) or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.
- Vehicles with a continuously variable transmission: 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 fire.
 - The temperature inside the vehicle may cause the plastic lenses and plastic material of glasses to deform or crack.
 - Soft drink cans may fracture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components.
- Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a place such as the glove box or on the floor, it may be lit accidentally when luggage is loaded or the seat is adjusted, causing a fire.
- Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle.
- Do not leave a door or window open if the curved glass is coated with a metallized film such as a silver-colored one. Reflected sunlight may cause the glass to act as a lens, causing a fire.

**WARNING**

- Vehicles with a continuously variable transmission: 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.

Vehicles with a manual transmission: Always apply the parking brake, stop the engine and lock the vehicle.

Do not leave the vehicle unattended while the engine is running.

- 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.

■ If the vehicle becomes stuck

Do not spin the wheels excessively when a driven wheel is up in the air, or the vehicle is stuck in sand, mud, etc. This may damage the driveline components or propel the vehicle forward or backward, causing an accident.

**NOTICE**

■ When driving the vehicle (vehicles with a continuously variable transmission)

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

**NOTICE****■ When driving the vehicle (vehicles with a manual transmission)**

- Do not depress the accelerator and brake pedals at the same time during driving, as this may restrain the engine output.
- Do not shift gears unless the clutch pedal is fully depressed. After shifting, do not release the clutch pedal abruptly. Doing so may damage the clutch, transmission and gears.
- Observe the following precautions. Failure to do so may cause excessive premature wear or damage to the clutch, eventually making it difficult to accelerate and start off from a stop. Have the vehicle inspected by your Toyota dealer.
- Do not rest your foot on the clutch pedal or depress it any time other than when shifting. Doing so may cause clutch trouble.
- Do not use any gear other than the 1st gear when starting off and moving forward. Doing so may damage the clutch.
- Do not use the clutch pedal to adjust vehicle speed. Doing so may damage the clutch.
- When stopping the vehicle with the shift lever in a position other than N, make sure to fully depress the clutch pedal and stop the vehicle using the brakes.
- Do not shift the shift lever to R without the vehicle completely stopped. Doing so may damage the clutch, transmission and gears.

■ When parking the vehicle (vehicles with a continuously variable transmission)

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 in the road, drive as slowly as possible to avoid damaging the wheels, underside of the vehicle, etc.

■ If you get a flat tire while driving

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

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

Information on what to do in case of a flat tire (→P.304)

■ 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

**NOTICE**

In the event that you drive on a flooded road and the vehicle becomes flooded or stuck in mud or sand, be sure to have your Toyota dealer check the following:

- Brake function
- Changes in quantity and quality of the engine oil, transaxle fluid, clutch fluid, 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.
- 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.
- When you fold down the rear seats, long items should not be placed directly behind the front seats.
- 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

**WARNING**

- Secure all items in the occupant compartment.
- Never allow anyone to ride in the enlarged trunk. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened.

Load and distribution

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

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

Trailer towing

Your vehicle is designed primarily as a passenger carrying vehicle. Towing a trailer will have an adverse effect on handling, performance, braking, durability, and fuel consumption. For your safety and the safety of others, do not overload the vehicle or trailer.

Toyota warranties do not apply to damage or malfunction caused by towing a trailer for commercial purposes.

For towing purposes, when the total trailer weight is greater than the vehicle weight, we recommend use of a sway control device.

Weight**Weight limits**

Confirm that the total trailer weight, gross vehicle weight, gross axle weight and trailer tongue load are all within the limits.

Gross vehicle weight

The gross vehicle weight must not exceed 1845 kg (4067.5 lb.).

The gross vehicle weight is the sum weight of the unloaded vehicle, driver, passengers, luggage, hitch and trailer tongue load. Also included is the weight of any special equipment installed on your

vehicle.

■ Gross axle weight

The load on either the front or rear axle resulting from distribution of the gross vehicle weight on both axles must not exceed the following:

Front: 1050 kg (2314.8 lb.)

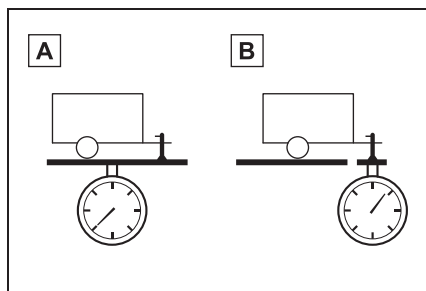
Rear: 970 kg (2138.4 lb.)

■ Trailer tongue load

The trailer cargo load should be distributed so that the tongue load is 9 to 11% of the total trailer weight, not exceeding 130 kg (286.6 lb.).

(Tongue load / Total trailer weight x 100 = 9 to 11%)

The total trailer weight and tongue load can be measured with platform scales found at a highway weighing stations, building supply companies, trucking companies, junk yards, etc.



A Total trailer weight

B Tongue load



WARNING

■ When the maximum permissible axle capacity is exceeded

Failing to observe this precaution may lead to an accident causing death or serious injury.

- Add an additional 20.0 kPa (0.2 kgf/cm² or bar, 3 psi) to the recommended tire inflation pressure value. (→P.330)
- Do not exceed the established speed limit for towing a trailer in built-up areas or 100 km/h (62 mph), whichever is the lower.

Towing a trailer

Contact your Toyota dealer for further information about additional requirements such as a towing kit etc.

Hitch

Trailer hitch assemblies have different weight capacities established by the hitch manufacturer. Even though the vehicle may be rated for towing a higher weight, the operator must never exceed the maximum weight rating specified for the trailer hitch.

Connecting trailer lights

Please consult your dealer when installing trailer lights, as incorrect installation may cause damage to the vehicle's lights. Please take care to comply with your state's laws when installing trailer lights.

■ Before towing

Check that the following conditions are met:

- The vehicle's tires are properly inflated. (→P.329)
- Trailer tires are inflated according to the trailer manufacturer's recommendation.
- All trailer lights work.
- All lights work each time you connect them.
- The trailer ball is set up at the proper height for the coupler on the trailer.
- The trailer is level when it is hitched. Do not drive if the trailer is not level, and check for improper tongue weight, overloading, worn suspension, or other possible causes.
- The trailer cargo is securely loaded.
- The rear view mirrors conform to all applicable federal, state/provincial or local regulations. If they do not, install rear view mirrors appropriate for towing purposes.

■ Break-in schedule

Toyota recommends that you do not use a new vehicle or a vehicle with any new power train components (engine, transmission, differential, wheel bearings, etc.) to tow a trailer for the first 800 km (500 miles) of driving.

■ Tire information

Increase the tire inflation pressure to 20.0 kPa (0.2 kgf/cm² or bar, 3 psi) greater than the recommended value when towing. (→P.330)

■ Maintenance

- If you tow a trailer, your vehicle will require more frequent maintenance due to the additional load. (See "Warranty and Service Booklet".)
- Retighten the fixing bolts of the towing ball and bracket after approximately 1000 km (600 miles) of trailer towing.



WARNING

■ To avoid accident or injury

- The total trailer weight (trailer weight plus the weight of cargo) must not exceed 1300 kg (2866.0 lb.).
- The gross combined weight (sum of your vehicle weight plus its load and the total trailer weight) must not exceed 3145 kg (6933.5 lb.).
- Do not exceed the trailer hitch assembly weight, gross vehicle weight, gross axle weight and trailer tongue load capacities.
- Never load more weight in the back than in the front of the trailer. About 60% of the load should be in the front half of the trailer, and the remaining 40% in the rear.
- Vehicles with a compact spare tire: Do not tow a trailer when the compact spare tire is installed on your vehicle.
- Do not use the following systems when trailer towing.
 - Dynamic radar cruise control (if equipped)
 - Dynamic radar cruise control with full-speed range (if equipped)

■ Hitches

- Use only a hitch that conforms to the total trailer weight requirement.
- Follow the directions supplied by the hitch manufacturer.
- Depending on the type of trailer coupler you use, the trailer ball may need to be coated with grease. If so, apply grease to the trailer ball in accordance with the instructions of the manufacturer of the trailer coupler.

**WARNING**

- Remove the trailer ball whenever you are not towing a trailer. Remove the trailer hitch if you do not need it. After removing the hitch, seal any mounting holes in the vehicle body to prevent entry of any substances into the vehicle.

■ **When towing a trailer**

- If the total trailer weight exceeds 450 kg (992.1 lb.), trailer brakes are required.
- Never tap into your vehicle's hydraulic system, as this will lower the vehicle's braking effectiveness.
- Never tow a trailer without using a safety chain securely attached to both the trailer and the vehicle. If damage occurs to the coupling unit or hitch ball, there is a risk of the trailer wandering into another lane.

**NOTICE**

■ **When installing a trailer hitch**

- Use only the position recommended by your Toyota dealer. Do not install the trailer hitch on the bumper; this may cause body damage.
- Do not use axle-mounted hitches, as they can cause damage to the axle housing, wheel bearings, wheels or tires.

■ **Brakes**

Toyota recommends trailers with brakes that conform to all applicable federal and state/provincial regulations.

■ **Do not directly splice trailer lights**

Directly splicing trailer lights may damage your vehicle's electrical system and cause a malfunction.

Trailer towing tips

Your vehicle will handle differently when towing a trailer. In order to avoid accident, death or serious injury, keep the following in mind when towing:

- Before starting out, check the trailer lights and the vehicle-trailer connections. Recheck after driving a short distance.
- Practice turning, stopping and reversing with the trailer attached in an area away from traffic until you become accustomed to the feel of the vehicle.
- Reversing with a trailer attached is difficult and requires practice. Grip the bottom of the steering wheel and move your hand to the left to move the trailer to the left. Move your hand to the right to move the trailer to right. (This is generally opposite to reversing without a trailer attached.) Avoid sharp or prolonged turning. Have someone guide you when reversing to reduce the risk of an accident.
- As stopping distance is increased when towing a trailer, vehicle to vehicle distance should be increased. For each 10 km/h (6 mph) of speed, allow at least one vehicle and trailer length.
- Avoid sudden braking as you may skid, resulting in jackknifing

and loss of control. This is especially true on wet or slippery surfaces.

- Avoid jerky starts or sudden acceleration.
- Avoid jerky steering and sharp turns, and slow down before making turns.
- Note that when making a turn, the trailer wheels will be closer than the vehicle wheels to the inside of the turn. Compensate by making a larger than normal turning radius.
- Crosswinds and rough roads will adversely affect handling of your vehicle and trailer, causing sway. Periodically check the rear to prepare for being passed by large trucks or buses, which may cause your vehicle and trailer to sway. If swaying occurs, firmly grip the steering wheel, reduce speed immediately but gradually, and steer straight ahead. Never increase speed. If you make no extreme correction with the steering or brakes, your vehicle and trailer will stabilize.
- Take care when passing other vehicles. Passing requires considerable distance. After passing a vehicle, do not forget the length of your trailer, and be sure you have plenty of room before changing lanes.
- Vehicles with a continuously variable transmission: To maintain

engine braking efficiency and charging system performance when using engine braking, do not use the transmission in D, must be in M and select gear step 6 or lower. (→P.136)

- Vehicles with a manual transmission: To maintain engine braking efficiency and charging system performance when using engine braking, do not use the 5, 6th gear.
- Due to the added load of the trailer, your vehicle's engine may overheat on hot days (at temperatures over 30°C [85°F]) when driving up a long or steep grade. If the engine coolant temperature gauge indicates overheating, immediately turn off the air conditioning (if in use), pull your vehicle off the road and stop in a safe spot. (→P.320)
- Always place wheel blocks under both the vehicle and the trailer wheels when parking. Apply the parking brake firmly, and put the transmission in P (continuously variable transmission) or in the 1 or R (manual transmission). Avoid parking on a slope, but if unavoidable, do so only after performing the following:
 - 1 Apply the brakes and keep them applied.
 - 2 Have someone place wheel blocks under both the vehicle and trailer wheels.

- 3 When the wheel blocks are in place, release the brakes slowly until the blocks absorb the load.
 - 4 Apply the parking brake.
 - 5 Shift into P (continuously variable transmission) or in the 1 or R (manual transmission) and turn off the engine.
- When restarting after parking on a slope:
 - 1 With the transmission in the P (continuously variable transmission) or the clutch pedal (manual transmission) depressed, start the engine. On vehicles with a continuously variable transmission, be sure to keep the brake pedal depressed.
 - 2 Shift into a forward gear. If reversing, shift into R.
 - 3 Release the parking brake and brake pedal, and slowly pull or back away from the wheel blocks. Stop and apply the brakes.
 - 4 Have someone retrieve the blocks.

● Avoid holding the brake pedal down too long or applying the brakes too frequently. This could cause the brakes to overheat and result in reduced braking efficiency.

**WARNING****■ To avoid an accident**

- Observe the legal maximum speeds for trailer towing.
- Slow down and downshift before descending steep or long downhill grades. Do not make sudden downshifts while descending steep or long downhill grades.

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

Starting the engine

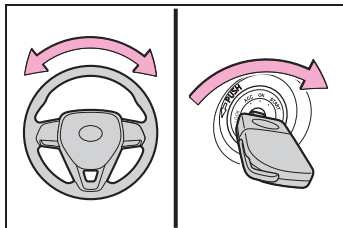
- 1 Check that the parking brake is set. (→P.140)
- 2 Check that the shift lever is in P (continuously variable transmission) or N (manual transmission).
- 3 Firmly depress the brake pedal (continuously variable transmission) or clutch pedal (manual transmission).
- 4 Turn the engine switch to START to start the engine.

■ If the engine does not start

The engine immobilizer system may not have been deactivated. (→P.54) Contact your Toyota dealer.

■ When the steering lock cannot be released

When starting the engine, the engine switch may seem stuck in OFF. To free it, turn the key while turning the steering wheel slightly left and right.



⚠ WARNING

■ When starting the engine

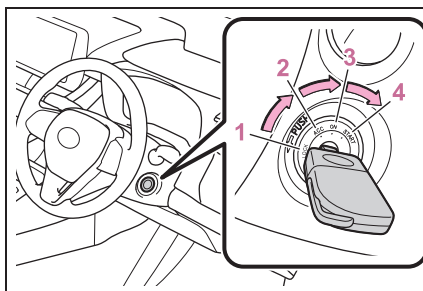
Always start the engine while sitting in the driver's seat. Do not depress the accelerator pedal while starting the engine under any circumstances. Doing so may cause an accident resulting in death or serious injury.

⚠ NOTICE

■ 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.

Changing the engine switch positions



1 OFF ("LOCK" position)

The steering wheel is locked and the key can be removed. (vehicles with a continuously variable transmission: The key can be removed only when the shift lever is in P.)

2 ACC ("ACC" position)

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

3 ON ("ON" position)

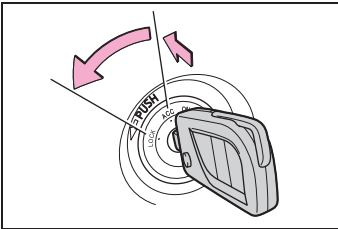
All electrical components can be used.

4 START ("START" position)

For starting the engine.

Turning the key from ACC to OFF

- 1 Shift the shift lever to P (continuously variable transmission) or N (manual transmission).
- 2 Push in the key and turn it to OFF.

**Key reminder function**

A buzzer sounds if the driver's door is opened while the engine switch is in OFF or ACC to remind you to remove the key.

**WARNING****Caution when driving**

Do not turn the engine switch to OFF while driving. If, in an emergency, you must turn the engine off while the vehicle is moving, turn the engine switch only to ACC to stop the engine. An accident may result if the engine is stopped while driving. (→P.288)

**NOTICE****To prevent battery discharge**

Do not leave the engine switch in ACC or ON for long periods of time without the engine running.

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. (→P.140)
- 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.

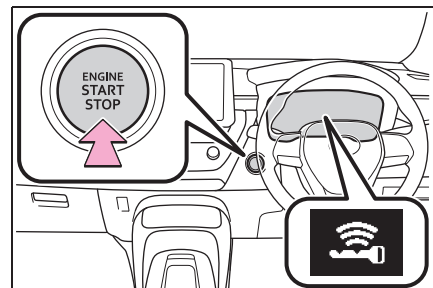
- 4 Press the engine switch shortly and firmly.

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.



■ If the engine does not start

- The engine immobilizer system may not have been deactivated. (→P.54) Contact your Toyota dealer.
- If a message related to start-up is shown on the multi-information display, read the message and follow the instructions.

■ If the battery is discharged

The engine cannot be started using the smart entry & start system. Refer to P.316 to restart the engine.

■ Electronic key battery depletion

→P.82

■ Conditions affecting operation

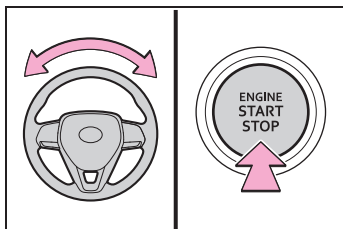
→P.95

■ Notes for the entry function

→P.95

■ Steering lock function

- 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, "Push Engine Switch while Turning Steering Wheel in Either Direction" will be displayed on the multi-information display. Press the engine switch shortly and firmly while turning the steering wheel left and right.



- To prevent the steering lock motor from overheating, operation of 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 switch. After about 10 seconds, the steering lock motor will resume functioning.

■ Electronic key battery

→P.278

■ Operation of the engine switch

- If 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, please wait a few seconds before restarting the engine.

■ Customization

If the smart entry & start system has been deactivated in a customized setting, refer to P.314.

⚠ WARNING

■ When starting the engine

Always start the engine while sitting in the driver's seat. Do not depress the accelerator pedal while starting the engine under any circumstances. Doing so may cause an 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.

⚠ NOTICE

■ When starting the engine

- Do not race a cold engine.

**NOTICE**

- 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.

Stopping the engine

- 1 Stop the vehicle completely.
- 2 Set the parking brake (→P.140), and shift the shift lever to P.

Check the parking brake indicator is illuminated.

- 3 Press the engine switch.

The engine will stop, and the meter display will be extinguished.

- 4 Release the brake pedal and check that “ACCESSORY” or “IGNITION ON” is not shown on the multi-information display.

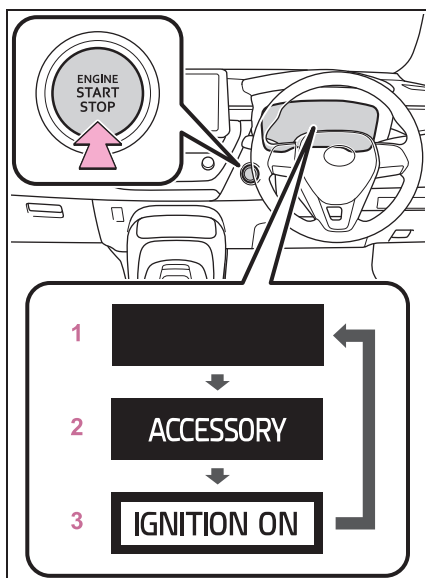
**WARNING**

■ **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.288)
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.
- To restart the engine after performing an emergency shutdown, shift the shift lever to N and then press the engine switch.

Changing engine switch modes

Modes can be changed by pressing the engine switch with brake pedal released. (The mode changes each time the switch is pressed.)



1 OFF*

The emergency flashers can be used.

2 ACC

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

"ACCESSORY" will be displayed on the multi-information display.

3 ON

All electrical components can be used.

"IGNITION ON" will be displayed on the multi-information display.

*: If the shift lever is in a position other than P when turning off the engine, the engine switch will be turned to ACC, not to off.

■ Auto power off function

If the vehicle is left in ACC for more than 20 minutes or ON (the engine is 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 ACC or ON for long

periods of time when the engine is not running.



NOTICE

■ To prevent battery discharge

- Do not leave the engine switch in ACC or ON for long periods of time without the engine running.
- If "ACCESSORY" or "IGNITION ON" is displayed on the multi-information display, the engine switch is not off. Exit the vehicle after turning the engine switch off.

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 ACC. 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 "ACCESSORY" is displayed on the multi-information display and press the engine switch shortly and firmly.
- 4 Check that "ACCESSORY" or "IGNITION ON" on the multi-information display are off.



NOTICE

■ To prevent battery discharge

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 ACC mode. If the vehicle is left in ACC, battery discharge may occur.

Continuously variable transmission *

*: If equipped

Select the shift position depending on your purpose and situation.

Shift position purpose and functions

Shift position	Objective or function
P	Parking the vehicle/starting the engine
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*
M	10-speed sport sequential shiftmatic mode driving (→P.136)

*: To improve fuel efficiency and reduce noise, shift the shift lever to D for normal driving.

■ To protect the continuously variable transmission

If the transmission fluid temperature is high, "Transmission Oil Temp. High Stop in a Safe Place and See Owner's Manual" will be displayed while driving, 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.

*: Vehicles with paddle shift switches: If

any shift range in D is selected (→P.135), make sure to return to normal D position driving.

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.

■ When driving with dynamic radar cruise control with full-speed range activated

Even when switching the driving mode to sport mode 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. (→P.220)

■ Restraining sudden start (Drive-Start Control)

→P.116

■ After recharging/reconnecting the battery

→P.318

■ 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 fail-safe mechanisms, such as restricting the shifting function or transmission ratio control.

In this event, the malfunction indicator lamp turns on.

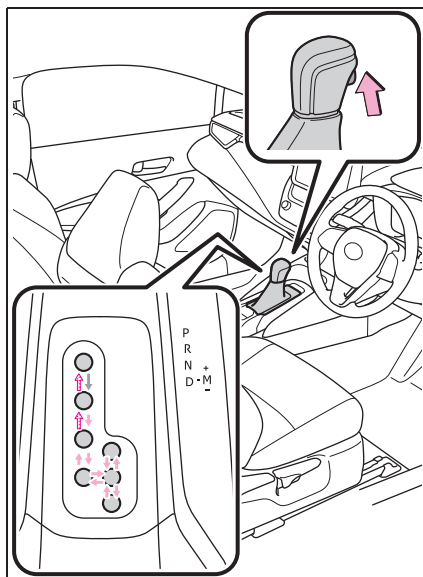


WARNING

■ When driving on slippery road surfaces

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

Shifting the shift lever



←: While the engine switch is in ON and the brake pedal depressed*, shift the shift lever while pushing the shift release button on the shift knob.

←: Shift the shift lever while pushing the shift release button on the shift knob.

←: Shift the shift lever normally.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped and the brake pedal is depressed.

*: For the vehicle to be able to be shifted from P, the brake pedal must be depressed before the shift release button is pushed. If the shift release button is pushed first, the shift lock will not be released.

■ Shift lock system

The shift lock system is a system to prevent accidental operation of the shift lever in starting.

The shift lever can be shifted from P only when the engine switch is ON, the brake pedal is depressed and the shift release button is pushed.

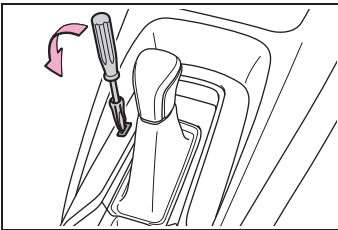
■ If the shift lever cannot be shifted from P

First, check whether the brake pedal is being depressed.

If the shift lever cannot be shifted 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:

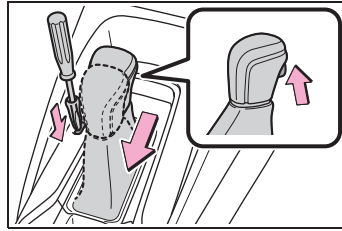
- 1 Set the parking brake.
- 2 Turn the engine switch off.
- 3 Depress the brake pedal.
- 4 Pry the cover up with a flathead screwdriver or equivalent tool. To prevent damaging the cover, wrap the tip of the flathead screwdriver with a tape.



- 5 Press and hold the shift lock override button and then push the shift release button on the shift knob.

The shift lever can be shifted while both

buttons are pressed.



WARNING

■ To prevent an accident when releasing the shift lock

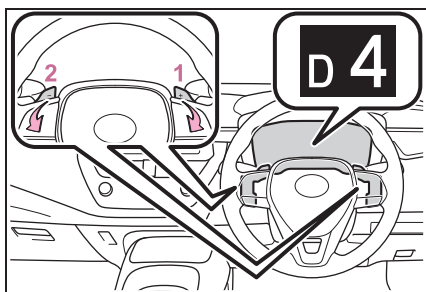
Before pressing the shift lock override button, make sure to set the parking brake and depress the brake pedal. If the accelerator pedal is accidentally depressed instead of the brake pedal when the shift lock override button is pressed and the shift lever is shifted out of P, the vehicle may suddenly start, possibly leading to an accident resulting in death or serious injury.

Selecting the driving mode

→P.220

Temporarily engaged gear steps selection mode in the D position (vehicles with paddle shift switches)

To drive in temporary gear steps selection mode, operate the “-” and “+” paddle shift switches. The gear steps can then be selected by operating the “-” and “+” paddle shift switches. By selecting gear step using paddle shift switches, you can control engine braking forces.



- 1** Upshifting
- 2** Downshifting

The selected shift range, from D1 to D10, will be displayed on the multi-information display.

To return to normal D position driving, the “+” paddle shift switch must be held down for a period of time.

■ 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.

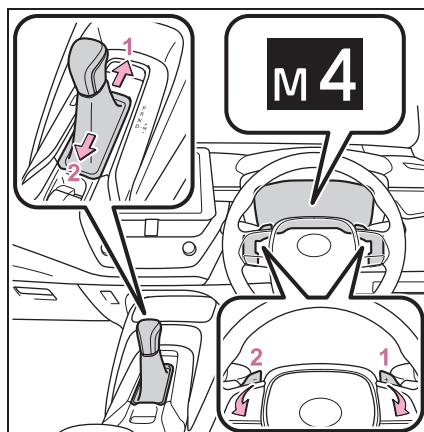
■ Deactivation of temporary 10-speed Sport Sequential Shiftmatic mode

In the following situations, temporary 10-speed Sport Sequential Shiftmatic mode will be deactivated:

- When the vehicle is stopped
- If the accelerator pedal is depressed continuously for more than a certain amount of time while in one gear range
- When the shift lever is shifted to a position other than D
- When the “+” paddle shift switch is operated for a certain amount of time continuously

Changing gears in the M position

To enter 10-speed Sport Sequential Shiftmatic mode, shift the shift lever to M position. Gear steps can then be selected by operating the shift lever or paddle shift switches (if equipped), allowing you to drive in the gear step of your choosing.



- 1** Upshifting
- 2** Downshifting

The gear changes once every time the shift lever or paddle shift switch 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.

■ 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.

■ **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.

■ **Downshifting restriction warning buzzer**

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever or paddle shift switch (if equipped) is operated. (A buzzer will sound twice.)

■ **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.)

Manual transmission*

*: If equipped

Operating instructions

■ **Shifting the shift lever**



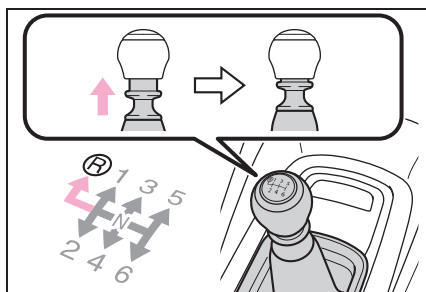
- 1 Depress the clutch pedal firmly.
- 2 Shift the shift lever to the desired gear.

Make sure to only shift gears sequentially.

- 3 Gradually release the clutch pedal.

■ **Shifting the shift lever to R**

Shift the shift lever to R while lifting up the ring section.



■ Maximum allowable speeds

Observe the following maximum allowable speeds in each gear when maximum acceleration is necessary.

Shift position	Maximum speed km/h (mph)
1	56 (35)
2	96 (60)
3	144 (89)

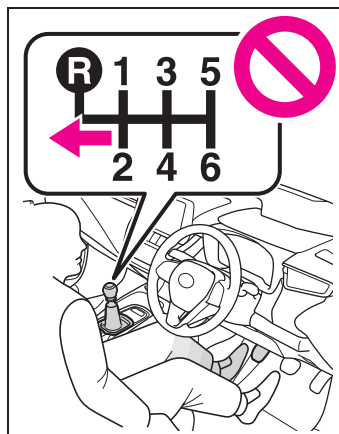


NOTICE

■ To prevent damage to the vehicle

When shifting gears, observe the following precautions. Failure to do so may cause damage to the engine, manual transmission, and/or clutch.

- Do not shift the shift lever to R without depressing the clutch pedal.



- Do not lift up the ring section except when shifting the lever to R.
- Shift the shift lever to R only when the vehicle is stationary.
- Do not rest your hand on or hold the shift lever any time other than when shifting.
- In order to not cause the engine to overrev, make sure to only shift gears sequentially.
- Do not release the clutch pedal suddenly.

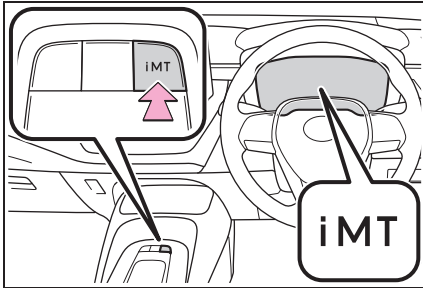
iMT (Intelligent Manual Transmission)

The iMT optimally controls the engine speed to suit the driver's operation of the clutch pedal and shift lever, helping the driver to shift

gears more smoothly.

Additionally, when the clutch pedal is operated, the iMT helps reduce shift shock, allowing for lighter shift operations when driving on a winding road or incline.

Press the “iMT” switch.



The iMT indicator will illuminate in green.

Press the switch again to cancel iMT.

■ The iMT may not operate when

In the following situations, iMT may not operate. However, this does not indicate a malfunction.

- The clutch pedal is not fully depressed
- The clutch pedal is not fully released, such as if a foot is resting on the clutch pedal*
- Shift operation is performed after the vehicle has been coasting with the shift lever in N
- The shift lever is not operated for a long time after the clutch pedal is depressed

*: After the shift lever is moved, unless your foot is completely removed from the clutch pedal, the iMT may not operate and the engine speed may not be controlled optimally for the next gear change.

To enable the iMT, release the clutch pedal completely and then depress it

again before operating the shift lever.

■ If the iMT indicator illuminates in amber

The iMT may be temporarily unavailable or malfunctioning. Have the vehicle inspected at your Toyota dealer.



WARNING

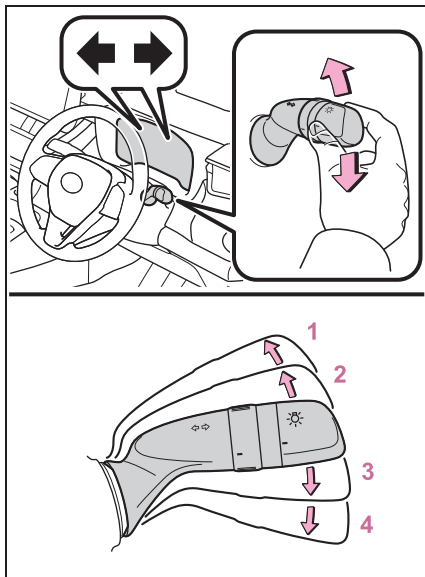
■ Limitations of the iMT

iMT is not a system that prevents shift lever operation error or engine overrevving.

Depending on the situation, iMT may not operate normally and the shift position may not be changed smoothly. Overly relying on iMT may cause an unexpected accident.

Turn signal lever

Operating instructions



- 1** Left turn
- 2** Lane change to the left (move the lever partway and release it)
The left hand signals will flash 3 times.
- 3** Lane change to the right (move the lever partway and release it)
The right hand signals will flash 3 times.
- 4** Right turn

■ Turn signals can be operated when

The engine switch is in ON.

■ If the indicator flashes faster than usual

Check that a light bulb in the front or rear turn signal lights has not burned out.

Parking brake

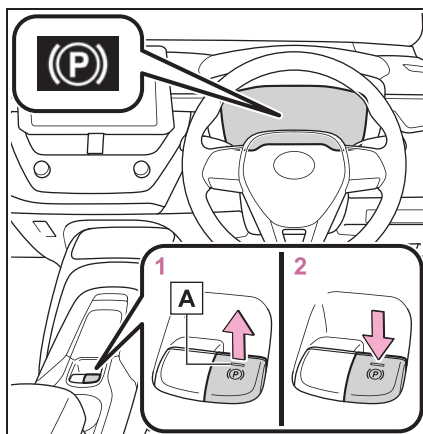
The parking brake can be set or released automatically or manually.

In automatic mode, the parking brake can be set or released automatically. Also, even in automatic mode, the parking brake can be set or released manually.

Operating instructions

■ Using the manual mode

The parking brake can be set and released manually.



- 1** Pull the switch to set the parking brake

The parking brake indicator and parking brake light **A** will turn on.

Pull and hold the parking brake switch if an emergency occurs and it is necessary to operate the parking brake while driving.

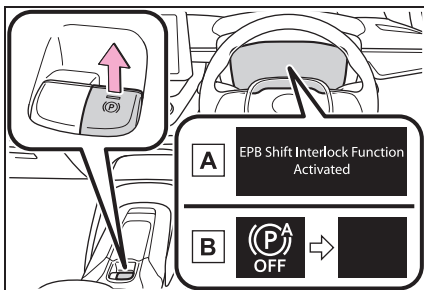
2 Push the switch to release the parking brake

- Operate the parking brake switch while depressing the brake pedal.
- Using the parking brake automatic release function, the parking brake can be released by depressing the accelerator pedal. When using this function, slowly depress the accelerator pedal.

Make sure that the parking brake indicator and parking brake light **A** turn off.

■ Turning automatic mode on

While the vehicle is stopped, pull and hold the parking brake switch until a message **A** is shown on the multi-information display (vehicles with a continuously variable transmission) or auto EPB OFF indicator **B** turn off (vehicles with a manual transmission).



When the automatic mode is turned on, the parking brake operates as follows.

- Vehicles with a continuously variable transmission
- When the shift lever is moved out of P, the parking brake will be released, and the parking brake

indicator and parking brake light will turn off.

- When the shift lever is moved into P, the parking brake will be set, and the parking brake indicator and parking brake light will turn on.

Operate the shift lever with the vehicle stopped and the brake pedal depressed.

The parking brake may not operate automatically if the shift lever is moved quickly.

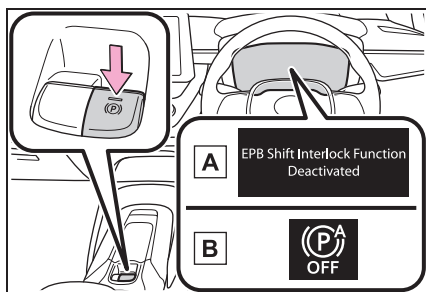
In this case, it is necessary to operate the parking brake switch. (→P.140)

- Vehicles with a manual transmission

When the engine is off, the parking brake will be set, and the parking brake indicator and parking brake light turn on.

■ Turning automatic mode off

While the vehicle is stopped and depressing the brake pedal, press and hold the parking brake switch until a message **A** is shown on the multi-information display (vehicles with a continuously variable transmission) or auto EPB OFF indicator **B** comes on (vehicles with a manual transmission).



■ Parking brake operation

- When the engine switch is not in ON, the parking brake cannot be released using the parking brake switch.
- When the engine switch is not in ON, automatic mode (automatic brake setting and releasing) is not available.

■ Parking brake 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 is wearing the seat belt
- The shift lever is a forward or reverse position.
- The malfunction indicator lamp or brake system warning light is not illuminated.

If the automatic release function does not operate, manually release the parking brake.

■ If "Parking Brake Temporarily Unavailable" is displayed on the multi-information display

If the parking brake is operated repeatedly over a short period of time, the system may restrict operation to prevent overheating. If this happens, refrain from operating the parking brake. Normal operation will return after about 1 minute.

■ If "Parking Brake Unavailable" is displayed on the multi-information display

Operate the parking brake switch. If the message does not disappear after operating the switch several times, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

■ Parking brake operation sound

When the parking brake operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ Parking brake indicator

- Depending on the engine switch position/mode, the parking brake indicator and parking brake light will turn on and stay on as described below:
ON: Comes on until the parking brake is released.
Not in ON: Stays on for approximately 15 seconds.
- When the engine switch is turned off with the parking brake set, the parking brake indicator and parking brake light will stay on for about 15 seconds. This does not indicate a malfunction.

■ When the parking brake switch malfunctions

Automatic mode (automatic brake setting and releasing) will be turned on automatically.

■ Parking the vehicle

→P.114

■ Parking brake engaged warning buzzer

A buzzer will sound if the vehicle is driven with the parking brake engaged. "Parking Brake ON" is displayed on the multi-information display.

■ If the brake system warning light comes on

→P.296

■ Usage in winter time

→P.226

**WARNING****■ When parking the vehicle**

Do not leave a child in the vehicle alone. The parking brake may be released unintentionally and there is the danger of the vehicle moving that may lead to an accident resulting in death or serious injury.

■ Parking brake switch

Do not set any objects near the parking brake switch.

Objects may interfere with the switch and may lead the parking brake to unexpectedly operate.

**NOTICE****■ When parking the vehicle**

Before you leave the vehicle, set the parking brake, shift the shift lever to P (continuously variable transmission) or N (manual transmission) and make sure that the vehicle does not move.

■ When the system malfunctions

Stop the vehicle in a safe place and check the warning messages.

■ When the parking brake cannot be released due to a malfunction

Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear.

Have the vehicle inspected by your Toyota dealer immediately if this occurs.

Brake Hold**► Continuously variable transmission**

The brake hold system keeps the brake applied when the shift lever is in D, M or N with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in D or M to allow smooth start off.

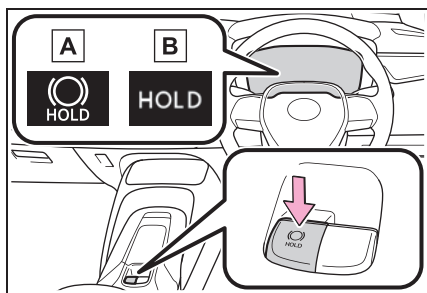
► Manual transmission

The brake hold system keeps the brake applied when the shift lever is in a forward driving position or N with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in a forward driving position to allow smooth start off.

Enabling the system

Turn the brake hold system on

The brake hold standby indicator (green) **A** comes on. While the system is holding the brake, the brake hold operated indicator (yellow) **B** comes on.



■ Brake hold system operating conditions

The brake hold system cannot be turned on in the following conditions:

- The driver's door is not closed.
- The driver is not wearing the seat belt.

If any of the conditions above are detected when the brake hold system is enabled, the system will turn off and the brake hold standby indicator light will go off. In addition, if any of the conditions are detected while the system is holding the brake, a warning buzzer will sound and a message will be shown on the multi-information display. The parking brake will then be set automatically.

■ Brake hold function

- If the brake pedal is left released for a period of about 3 minutes after the system has started holding the brake, the parking brake will be set automatically. In this case, a warning buzzer sounds and a message is shown on the multi-information display.
- To turn the system off while the system is holding the brake, firmly depress the brake pedal and press the button again.
- The brake hold function may not hold the vehicle when the vehicle is on a steep incline. In this situation, it may be necessary for the driver to apply the brakes. A warning buzzer will sound and the multi-information display will inform the driver of this situation. If a warning message is shown on the multi-information display, read

the message and follow the instructions.

■ When the parking brake is set automatically while the system is holding the brakes

Perform any of the following operations to release the parking brake.

- Depress the accelerator pedal. (The parking brake will not be released automatically if the seat belt is not fastened.)
- Operate the parking brake switch with the brake pedal depressed.

Make sure that the parking brake indicator light goes off. (→P.140)

■ When an inspection at your Toyota dealer is necessary

When the brake hold standby indicator (green) does not illuminate even when the brake hold switch is pressed with the brake hold system operating conditions met, the system may be malfunctioning. Have the vehicle inspected at your Toyota dealer.

■ If “Brake Hold Malfunction Press Brake to Deactivate Visit Your Dealer” or “Brake Hold Malfunction Visit Your Dealer” is displayed on the multi-information display

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

■ Warning messages and buzzers

Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution. If a warning message is shown on the multi-information display, read the message and follow the instructions.

■ If the brake hold operated indicator flashes

→P.301

**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**

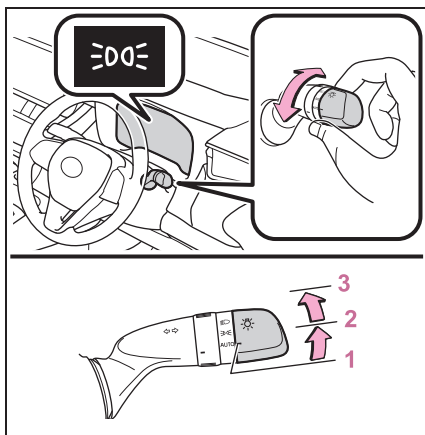
The brake hold system is not designed for use when parking the vehicle for a long period of time. Turning the engine switch off while the system is holding the brake may release the brake, which would cause the vehicle to move. When operating the engine switch, depress the brake pedal, shift the shift lever to P (continuously variable transmission) or N (manual transmission) and set the parking brake.




Headlight switch

The headlights can be operated manually or automatically.

Operating instructions

Operating the  switch turns on the lights as follows:



- 1  **AUTO** The headlights, daytime running lights (→P.146) and all the lights listed below turn on and off automatically.
- 2  The front position, tail, license plate, instrument panel lights turn on.
- 3  The headlights and all lights listed above turn on.

AUTO mode can be used when

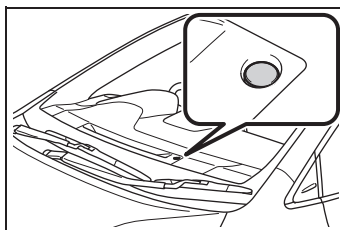
The engine switch is in ON.

Daytime running light system

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automati-

cally whenever the engine is started and the parking brake is released with the headlight switch 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

- When the headlights are on: The headlights and tail lights turn off 30 seconds after the driver's door is opened and closed if the engine switch is turned to ACC or OFF. (The lights turn off immediately if  on the key is pressed after all the doors are closed.)
- When only the tail lights are on: The tail lights turn off automatically if the engine switch is turned to ACC or OFF and the driver's door is opened.

To turn the lights on again, turn the engine switch to ON, or turn the headlight switch off once and then back to

 or .

Light reminder buzzer

A buzzer sounds when the engine switch is turned to OFF or ACC and the driver's door is opened while the lights are turned on.

■ **Battery-saving function**

In order to prevent the battery of the vehicle from discharging, if the headlights and/or tail lights are on when the engine switch is turned off the battery saving function will operate and automatically turn off all the lights after approximately 20 minutes. When the engine switch is turned to ON, the battery-saving function will be disabled.

When any of the following are performed, the battery-saving function is canceled once and then reactivated. All the lights will turn off automatically 20 minutes after the battery-saving function has been reactivated:

- When the headlight switch is operated
- When a door or the trunk is opened or closed

■ **Customization**

Some functions can be customized.
(→P.332)

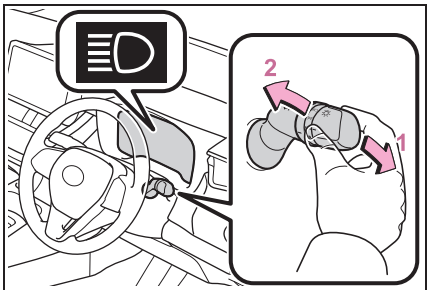


NOTICE

■ **To prevent battery discharge**

Do not leave the lights on longer than necessary when the engine is not running.

Turning on the high beam headlights



- 1** With the headlights on, push the lever away from you to turn on the high beams.

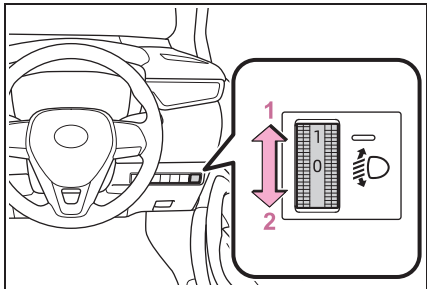
Pull the lever toward you to the center position to turn the high beams off.

- 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.

Manual headlight leveling dial

The level of the headlights can be adjusted according to the number of passengers and the loading condition of the vehicle.



- 1** Raises the level of the headlights
- 2** Lowers the level of the headlights

■ **Guide to dial settings**

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
Driver	None	0
Driver and front passenger	None	0
All seats occupied	None	2

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
All seats occupied	Full luggage load-	2.5
Driver	Full luggage load-	4

Automatic High Beam

The Automatic High Beam uses a camera sensor located behind the upper portion of the windshield to assess the brightness of the lights of vehicles ahead, streetlights, etc., and automatically turns the high beams on or off as necessary.



WARNING

■ Limitations of the Automatic High Beam

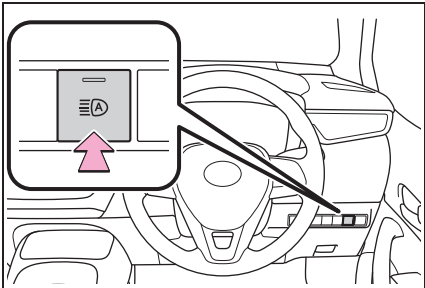
Do not overly rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beams on or off manually if necessary.

■ To prevent incorrect operation of the Automatic High Beam system

Do not overload the vehicle.

Activating the Automatic High Beam

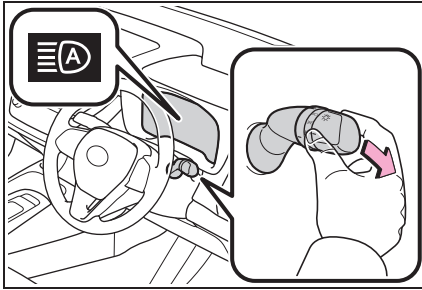
- 1 Press the Automatic High Beam switch.



- 2 Push the lever away from you with the headlight switch in the

 or AUTO position.

The Automatic High Beam indicator will come on when the system is operating.



■ 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 are 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.

■ Camera sensor detection information

- The high beams may not be automatically turned off in the following situations:
 - When a vehicle suddenly appears from around a curve

- When the vehicle is cut in front of by another vehicle
- When vehicles ahead cannot be detected due to repeated curves, road dividers or roadside trees
- When vehicles ahead appear in a far-away 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, streetlights, traffic signals, and illuminated billboards or signs and other reflective objects may cause the high beams to change to the low beams, or the low beams to remain on.

- The following factors may affect the amount of time taken for the high beams to turn on or off:
 - The brightness of the headlights, fog lights, and tail lights of vehicles ahead
 - The movement and direction of vehicles ahead
 - When a vehicle ahead only has operational lights on one side
 - When a vehicle ahead is a two-wheeled vehicle
 - The condition of the road (gradient, curve, condition of the road surface, etc.)
 - The number of passengers and amount of luggage in the vehicle
- The high beams may turn on or off unexpectedly.
- Bicycles or similar vehicles may not be detected.
- In the following situations the system may not be able to correctly detect the surrounding brightness level. This may cause the low beams to remain on or the high beams to flash or dazzle pedestrians or vehicles ahead. In such a case, it is necessary to manually switch between the high and low beams.
 - When driving in inclement weather (heavy rain, snow, fog, sandstorms,

etc.)

- When the windshield is obscured by fog, mist, ice, dirt, etc.
- When the windshield is cracked or damaged
- When the camera sensor is deformed or dirty
- When the temperature of the camera sensor is extremely high
- When the surrounding brightness level is equal to that of headlights, tail lights or fog lights
- When headlights or tail lights of vehicles ahead are turned off, dirty, changing color, or not aimed properly
- When the vehicle is hit by water, snow, dust, etc. from a preceding vehicle
- When driving through an area of intermittently changing brightness and darkness
- When frequently and repeatedly driving ascending/descending roads, or roads with rough, bumpy or uneven surfaces (such as stone-paved roads, gravel roads, etc.)
- When frequently and repeatedly taking curves or driving on a winding road
- When there is a highly reflective object ahead of the vehicle, such as a sign or mirror
- When the back of a preceding vehicle is highly reflective, such as a container on a truck
- When the vehicle's headlights are damaged or dirty, or are not aimed properly
- When the vehicle is listing or titling due to a flat tire, a trailer being towed, etc.
- When the headlights are changed between the high beams and low beams repeatedly in an abnormal manner
- When the driver believes that the high beams may be flashing or dazzling pedestrians or other drivers

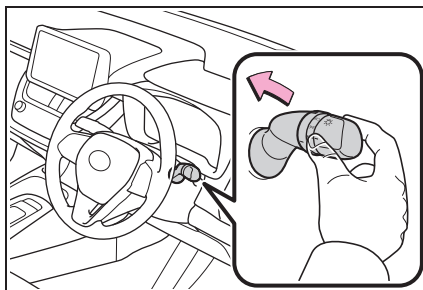
Turning the high beams on/off manually

■ Switching to the low beams

Pull the lever to its original position.

The Automatic High Beam indicator will turn off.

Push the lever away from you to activate the Automatic High Beam system again.

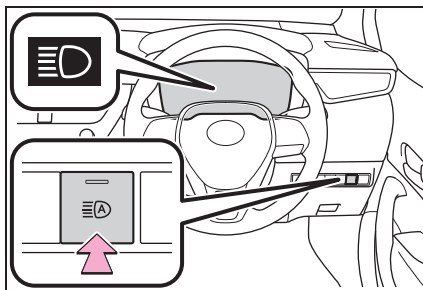


■ Switching to the high beams

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off and the headlight high beam indicator will turn on.

Press the switch to activate the Automatic High Beam system again.




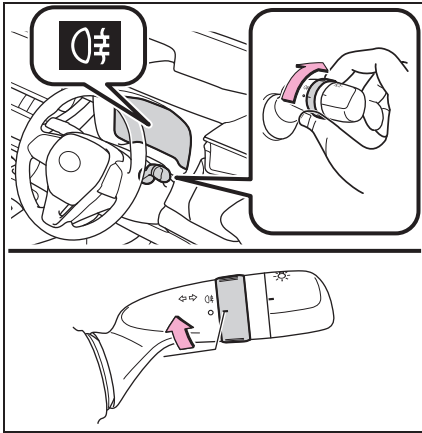
Fog light switch

The fog light secure excellent visibility in difficult driving conditions, such as in rain and fog.

Operating instructions

Turns the rear fog light on.

Releasing the switch ring returns it to .



■ Fog light can be used when

The headlights or the front position lights are turned on.


Windshield wipers and washer

Operating the lever can use the windshield wipers or the washer.

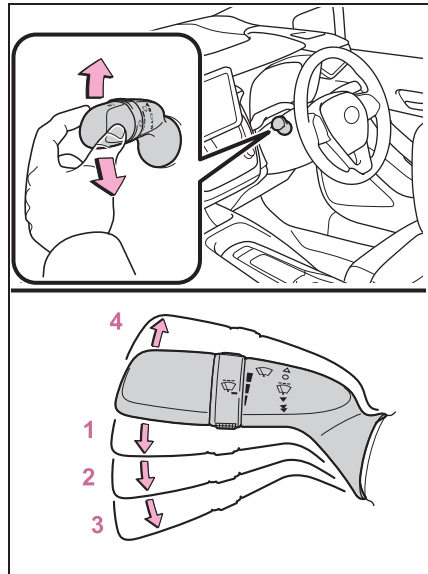
NOTICE


■ **When the windshield is dry**
Do not use the wipers, as they may damage the windshield.

Operating the wiper lever

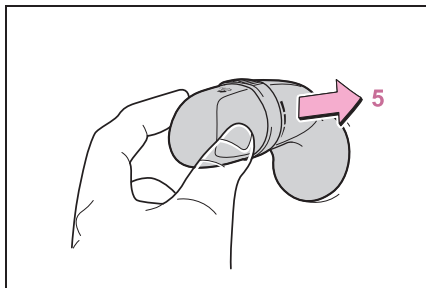
Operating the  lever operates the wipers or washer as follows.


- Intermittent windshield wipers with interval adjuster



- 1  Intermittent windshield wiper operation

- 2 ▼ Low speed windshield wiper operation
- 3 ▼ High speed windshield wiper operation
- 4 ▲ Temporary operation

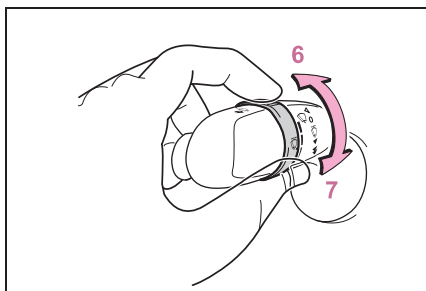


- 5  Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

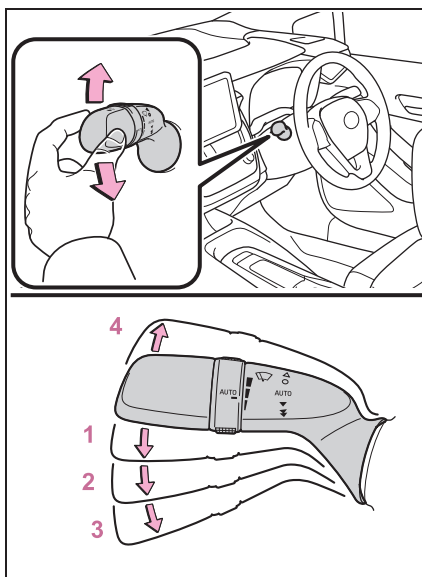
Wipers will automatically operate a couple of times after the washer squirts.

Wiper intervals can be adjusted when intermittent operation is selected.



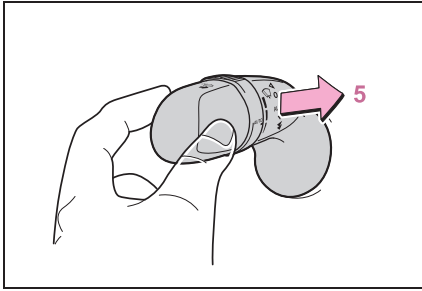
- 6 Increases the intermittent windshield wiper frequency
- 7 Decreases the intermittent windshield wiper frequency

► Rain-sensing windshield wipers



- 1 AUTO Rain-sensing windshield wiper operation
- 2 ▼ Low speed windshield wiper operation
- 3 ▼ High speed windshield wiper operation
- 4 ▲ Temporary operation

When "AUTO" is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.

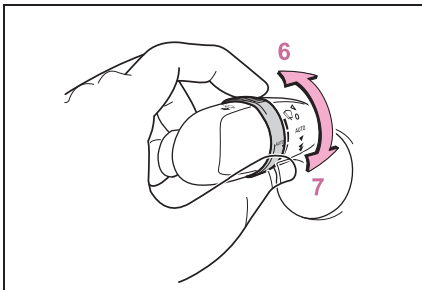


5 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

Wipers will automatically operate a couple of times after the washer squirts.

When "AUTO" is selected, the sensor sensitivity can be adjusted as follows by turning the switch ring.



6 Increases the rain-sensing windshield wiper sensitivity

7 Decreases the rain-sensing windshield wiper sensitivity

■ The windshield wiper and washer can be operated when

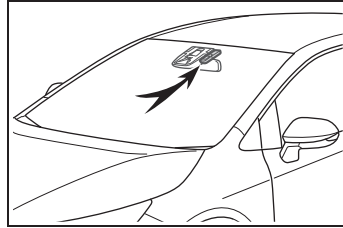
The engine switch is in ON.

■ Effects of vehicle speed on wiper operation (vehicles with rain-sensing windshield wipers)

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.



- If the wiper is turned to AUTO mode while the engine switch is in ON, the wipers 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 -15°C (5°F) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than AUTO mode.

■ If no windshield washer fluid sprays

Check that the washer nozzles are not blocked if there is washer fluid in the windshield washer fluid reservoir.

■ Front door opening linked windshield wiper stop function (vehicles with rain-sensing windshield wipers)

When AUTO mode is selected and the windshield wipers are operating, if a front door is opened while the vehicle is stopped and the P shift position is selected, operation of the windshield wipers will be stopped to prevent anyone near the vehicle from being sprayed by water from the wipers. 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.

**WARNING****■ Caution regarding the use of windshield wipers in AUTO mode (vehicles with rain-sensing windshield wipers)**

The windshield wipers may operate unexpectedly if the sensor is touched or the windshield is subject to vibration in AUTO mode. Take care that your fingers or anything else 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 there is no washer fluid spray from the nozzle**

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.

Opening the fuel tank cap

Perform the following steps to open the fuel tank cap:

Before refueling the vehicle

- Turn the engine switch off and ensure that all the doors and windows are closed.
- Confirm the type of fuel.

Fuel types

→P.331

Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your vehicle has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.



WARNING

When refueling the vehicle

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

- After exiting the vehicle and before opening the fuel door, touch an unpainted metal surface to discharge any static electricity. It is important to discharge static electricity before refueling because sparks resulting from static electricity can cause fuel vapors to ignite while refueling.

- Always hold the grips on the fuel tank cap and turn it slowly to remove it.
A whooshing sound may be heard when the fuel tank cap is loosened. Wait until the sound cannot be heard before fully removing the cap. In hot weather, pressurized fuel may spray out the filler neck and cause injury.
- Do not allow anyone that has not discharged static electricity from their body to come close to an open fuel tank.
- Do not inhale vaporized fuel. Fuel contains substances that are harmful if inhaled.
- Do not smoke while refueling the vehicle. Doing so may cause the fuel to ignite and cause a fire.
- Do not return to the vehicle or touch any person or object that is statically charged. This may cause static electricity to build up, resulting in a possible ignition hazard.

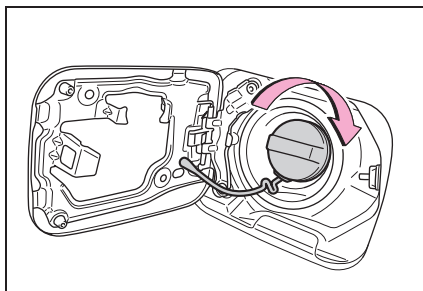
When refueling

Observe the following precautions to prevent fuel overflowing from the fuel tank:

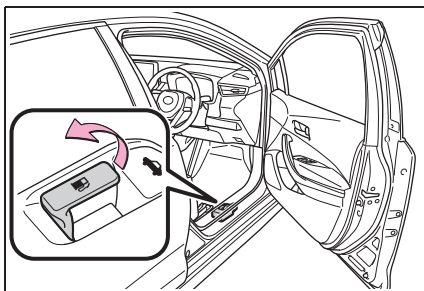
- Securely insert the fuel nozzle into the fuel filler neck.
- Stop filling the tank after the fuel nozzle automatically clicks off.
- Do not top off the fuel tank.

**NOTICE****■ Refueling**

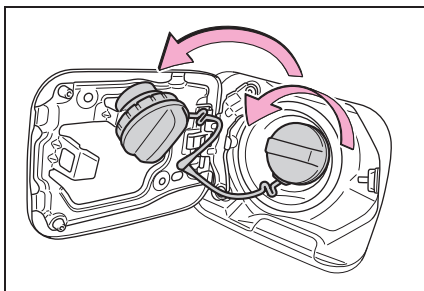
Do not spill fuel during refueling. Doing so may damage the vehicle, such as causing the emission control system to operate abnormally or damaging fuel system components or the vehicle's painted surface.

**Opening the fuel tank cap**

- 1 Pull up the opener to open the fuel filler door.



- 2 Turn the fuel tank cap slowly and remove it, then 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.

**WARNING****■ When replacing the fuel tank cap**

Do not use anything but a genuine Toyota fuel tank cap designed for your vehicle. Doing so may cause a fire or other incident which may result in death or serious injury.

Toyota Safety Sense

The Toyota Safety Sense consists of the following drive assist systems and contributes to a safe and comfortable driving experience:

Driving assist system

■ PCS (Pre-Collision System)

→P.162

■ LTA (Lane Tracing Assist)*

→P.169

*: If equipped

■ LDA (Lane Departure Alert with steering control)*

→P.179

*: If equipped

■ AHB (Automatic High Beam)

→P.148

■ RSA (Road Sign Assist)

→P.187

■ Dynamic radar cruise control with full-speed range*

→P.189

*: If equipped

■ Dynamic radar cruise control*

→P.200

*: If equipped

! WARNING

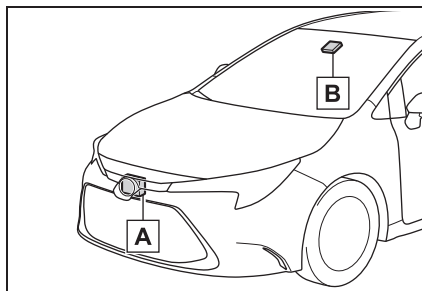
■ Toyota Safety Sense

The Toyota Safety Sense is designed to operate under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants and the vehicle in the case of a collision or assist the driver in normal driving conditions.

As there is a limit to the degree of recognition accuracy and control performance that this system can provide, do not overly rely on this system. The driver is always responsible for paying attention to the vehicle's surroundings and driving safely.

Sensors

Two types of sensors, located behind the front grille and windshield, detect information necessary to operate the drive assist systems.



A Radar sensor

B Front camera

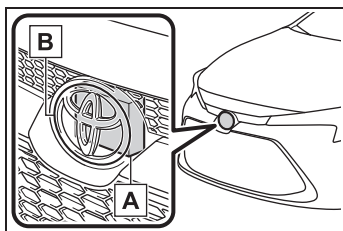


WARNING

■ To avoid malfunction of the radar sensor

Observe the following precautions. Otherwise, the radar sensor may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the radar sensor and the radar sensor cover clean at all times.



A Radar sensor

B Radar sensor cover

If the front of the radar sensor or the front or back of the radar sensor cover is dirty or covered with water droplets, snow, etc., clean it.

Clean the radar sensor and radar sensor cover with a soft cloth to avoid damaging them.

- Do not attach accessories, stickers (including transparent stickers) or other items to the radar sensor, radar sensor cover or surrounding area.
- Do not subject the radar sensor or its surrounding area to a strong impact.
If the radar sensor, front grille, or front bumper has been subjected to a strong impact, have the vehicle inspected by your Toyota dealer.
- Do not disassemble the radar sensor.

- Do not modify or paint the radar sensor or radar sensor cover.

- In the following cases, the radar sensor must be recalibrated. Contact your Toyota dealer for details.

- When the radar sensor or front grille are removed and installed, or replaced
- When the front bumper is replaced

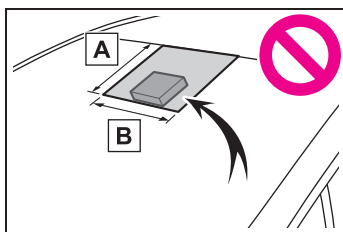
■ To avoid malfunction of the front camera

Observe the following precautions. Otherwise, the front camera may not operate properly, possibly leading to an accident resulting in death or serious injury.

- Keep the windshield clean at all times.
- If the windshield is dirty or covered with an oily film, water droplets, snow, etc., clean the windshield.
- If a glass coating agent is applied to the windshield, it will still be necessary to use the windshield wipers to remove water droplets, etc. from the area of the windshield in front of the front camera.
- If the inner side of the windshield where the front camera is installed is dirty, contact your Toyota dealer.

WARNING

- Do not attach objects, such as stickers, transparent stickers, etc., to the outer side of the windshield in front of the front camera (shaded area in the illustration).



A From the top of the windshield to approximately 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.231, 235)
- 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 sensor is covered with dirt, moisture (fogged up, covered with condensation, ice, etc.), or other foreign matter	To clean the part of the windshield in front of the front camera, use the windshield wipers or the windshield defogger of the air conditioning system (→P.231, 235).
When the temperature around the front camera is outside of the operational range, such as when the vehicle is in the sun or in an extremely cold environment	If the front camera is hot, such as after the vehicle had been parked in the sun, use the air conditioning system to decrease the temperature around the front camera. If a sunshade was used when the vehicle was parked, depending on its type, the sunlight reflected from the surface of the sunshade may cause the temperature of the front camera to become excessively high.
	If the front camera is cold, such after the vehicle is parked in an extremely cold environment, use the air conditioning system to increase the temperature around the front camera.
The area in front of the front camera is obstructed, such as when the hood is open or a sticker is attached to the part of the windshield in front of the front camera.	Close the hood, remove the sticker, etc. to clear the obstruction.

- In the following situations, if the situation has changed (or the vehicle has been driven for some time) and the normal operating conditions are detected, the message will disappear and the system will become operational.

If the message does not disappear, contact your Toyota dealer.

- When the temperature around the radar sensor is outside of the operational range, such as when the vehicle is in the sun or in an extremely cold environment
- When the front camera cannot detect objects in front of the vehicle, such as when

driving in the dark, snow, or fog, or when bright lights are shining into the front camera

PCS (Pre-Collision System)

The pre-collision system uses a radar sensor and front camera to detect objects (→P.165) in front of the vehicle. When the system determines that the possibility of a frontal collision with an object is high, a warning operates to urge the driver to take evasive action and the potential brake pressure is increased to help the driver avoid the collision. If the system determines that the possibility of a frontal collision with an object is extremely high, the brakes are automatically applied to help avoid the collision or help reduce the impact of the collision.

The pre-collision system can be disabled/enabled and the warning timing can be changed. (→P.164)

Detectable objects

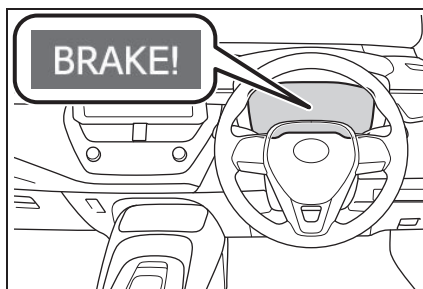
The system can detect the following:

- Vehicles
- Bicyclists
- Pedestrians

System functions

■ Pre-collision warning

When the system determines that the possibility of a frontal collision is high, a buzzer will sound and a warning message will be displayed on the multi-information display to urge the driver to take evasive action.



■ Pre-collision brake assist

When the system determines that the possibility of a frontal collision is high, the system applies greater braking force in relation to how strongly the brake pedal is depressed.

■ Pre-collision braking

If the system determines that the possibility of a frontal collision is extremely high, the brakes are automatically applied to help avoid the collision or reduce the impact of the collision.



WARNING

■ Limitations of the pre-collision system

- The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
Do not use the pre-collision system instead of normal braking operations under any circumstances. This system will not prevent collisions or lessen collision damage or injury in every situation. Do not overly rely on this system. Failure to do so may lead to an accident, resulting in death or serious injury.
- Although this system is designed to help avoid a collision or help reduce the impact of the collision, its effectiveness may change according to various conditions, therefore the system may not always be able to achieve the same level of performance.
Read the following conditions carefully. Do not overly rely on this system and always drive carefully.
- Conditions under which the system may operate even if there is no possibility of a collision: →P.166
- Conditions under which the system may not operate properly: →P.167
- Do not attempt to test the operation of the pre-collision system yourself. Depending on the objects used for testing (dummies, cardboard objects imitating detectable objects, etc.), the system may not operate properly, possibly leading to an accident.

■ Pre-collision braking

- When the pre-collision braking function is operating, a large amount of braking force will be applied.

- If the vehicle is stopped by the operation of the pre-collision braking function, the pre-collision braking function operation will be canceled after approximately 2 seconds. Depress the brake pedal as necessary.
- The pre-collision braking function may not operate if certain operations are performed by the driver. If the accelerator pedal is being depressed strongly or the steering wheel is being turned, the system may determine that the driver is taking evasive action and possibly prevent the pre-collision braking function from operating.
- In some situations, while the pre-collision braking function is operating, operation of the function may be canceled if the accelerator pedal is depressed strongly or the steering wheel is turned and the system determines that the driver is taking evasive action.
- If the brake pedal is being depressed, the system may determine that the driver is taking evasive action and possibly delay the operation timing of the pre-collision braking function.

■ When to disable the pre-collision system

In the following situations, disable the system, as it may not operate properly, possibly leading to an accident resulting in death or serious injury:


- When the vehicle is being towed
- 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

⚠ WARNING

- When inspecting the vehicle using a drum tester such as a chassis dynamometer or speedometer tester, or when using an on vehicle wheel balancer
- When a strong impact is applied to the front bumper or front grille, due to an accident or other reasons
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- When the vehicle is driven in a sporty manner or off-road
- When the tires are not properly inflated
- When the tires are very worn
- When tires of a size other than specified are installed
- When tire chains are installed
- When a compact spare tire or an emergency tire puncture repair kit is used
- If equipment (snow plow, etc.) that may obstruct the radar sensor or front camera is temporarily installed to the vehicle

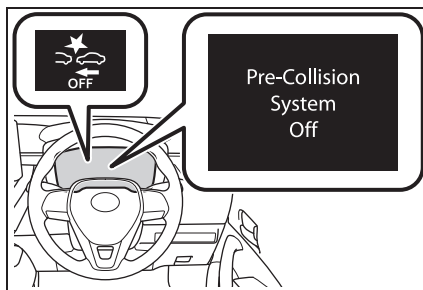
Changing settings of the pre-collision system

■ Enabling/disabling the pre-collision system


The pre-collision system can be enabled/disabled on  (→P.332) of the multi-information display.

The system is automatically enabled each time the engine switch is turned to ON.

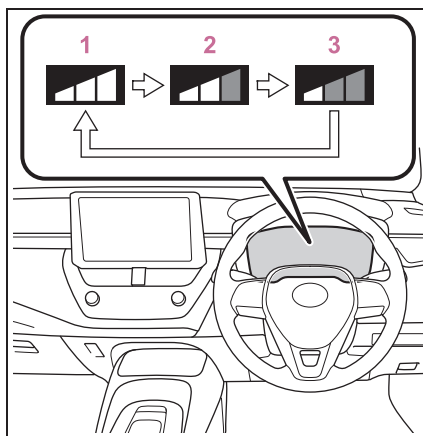
If the system is disabled, the PCS warning light will turn on and a message will be displayed on the multi-information display.



■ Changing the pre-collision warning timing

The pre-collision warning timing can be changed on  (→P.332) 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).



- 1 Early
- 2 Middle

This is the default setting.

3 Late

■ Operational conditions

The pre-collision system is enabled and the system determines that the possibility of a frontal collision with a detected object is high. Each function is operational at the following speed

● Pre-collision warning

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 10 to 180 km/h (7 to 110 mph)	Approx. 10 to 180 km/h (7 to 110 mph)
Bicyclists and pedestrians	Approx. 10 to 80 km/h (7 to 50 mph)	Approx. 10 to 80 km/h (7 to 50 mph)

● Pre-collision brake assist

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 30 to 180 km/h (20 to 110 mph)	Approx. 30 to 180 km/h (20 to 110 mph)
Bicyclists and pedestrians	Approx. 30 to 80 km/h (20 to 50 mph)	Approx. 30 to 80 km/h (20 to 50 mph)

● Pre-collision braking

Detectable objects	Vehicle speed	Relative speed between your vehicle and object
Vehicles	Approx. 10 to 180 km/h (7 to 110 mph)	Approx. 10 to 180 km/h (7 to 110 mph)
Bicyclists and pedestrians	Approx. 10 to 80 km/h (7 to 50 mph)	Approx. 10 to 80 km/h (7 to 50 mph)

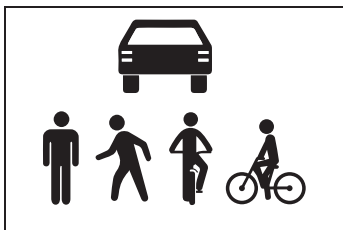
The system may not operate in the following situations:

- If a battery terminal has been disconnected and reconnected and then the vehicle has not been driven for a certain amount of time
- If the shift lever is in R
- When the VSC OFF indicator is illuminated (only the pre-collision warning function will be operational)

■ Object detection function

The system detects objects based on their size, profile, motion, etc. However, an object may not be detected depending on the surrounding brightness and

the motion, posture, and angle of the detected object, preventing the system from operating properly. (→P.167)
The illustration shows an image of detectable objects.



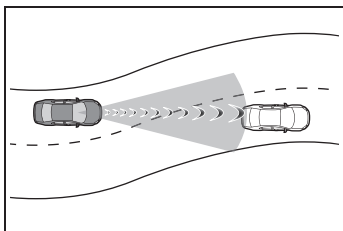
■ Cancellation of the pre-collision braking

If either of the following occur while the pre-collision braking function is operating, it will be canceled:

- The accelerator pedal is depressed strongly.
- The steering wheel is turned sharply or abruptly.

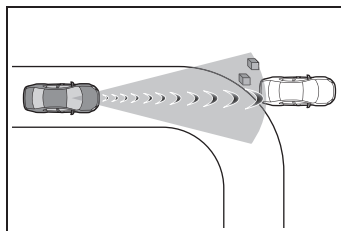
■ Conditions under which the system may operate even if there is no possibility of a collision

- In some situations such as the following, the system may determine that there is a possibility of a frontal collision and operate.
- When passing a detectable object, etc.
- When changing lanes while overtaking a detectable object, etc.
- When approaching a detectable object in an adjacent lane or on the roadside, such as when changing the course of travel or driving on a winding road

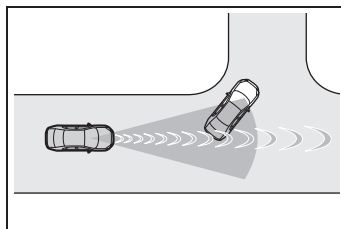


- When rapidly closing on a detectable object, etc.
- When approaching objects on the roadside, such as detectable objects, guardrails, utility poles, trees, or walls
- When there is a detectable object or other object by the roadside at the

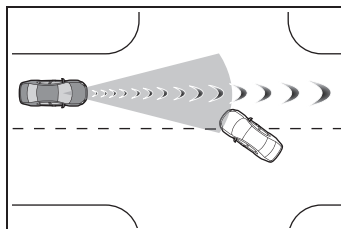
entrance of a curve



- When there are patterns or paint in front of your vehicle that may be mistaken for a detectable object
- When the front of your vehicle is hit by water, snow, dust, etc.
- When overtaking a detectable object that is changing lanes or making a right/left turn

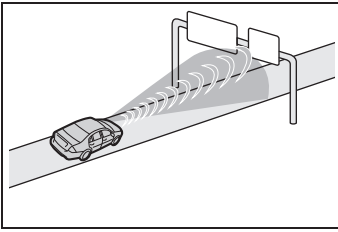


- When passing a detectable object in an oncoming lane that is stopped to make a right/left turn

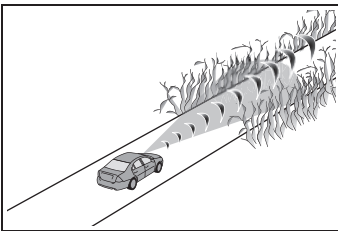


- When a detectable object approaches very close and then stops before entering the path of your vehicle
- If the front of your vehicle is raised or lowered, such as when on an uneven or undulating road surface
- When driving on a road surrounded by a structure, such as in a tunnel or on an iron bridge
- When there is a metal object (man-hole cover, steel plate, etc.), steps, or a protrusion in front of your vehicle

- When passing under an object (road sign, billboard, etc.)



- When approaching an electric toll gate barrier, parking area barrier, or other barrier that opens and closes
- When using an automatic car wash
- When driving through or under objects that may contact your vehicle, such as thick grass, tree branches, or a banner

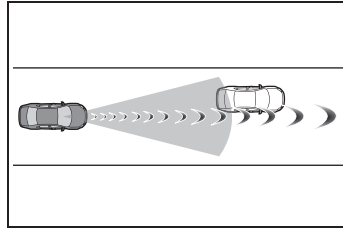


- When driving through steam or smoke
- When driving near an object that reflects radio waves, such as a large truck or guardrail
- When driving near a TV tower, broadcasting station, electric power plant, or other location where strong radio waves or electrical noise may be present

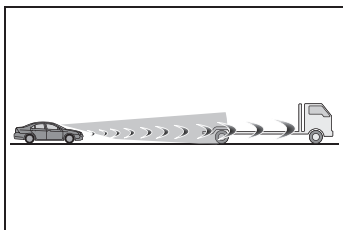
■ Situations in which the system may not operate properly

- In some situations such as the following, an object may not be detected by the radar sensor and front camera, preventing the system from operating properly:
 - When a detectable object is approaching your vehicle
 - When your vehicle or a detectable object is wobbling
 - If a detectable object makes an abrupt maneuver (such as sudden swerving,

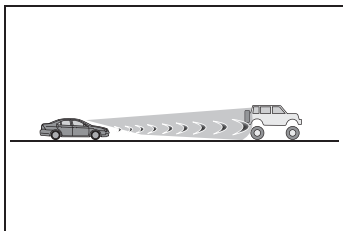
- acceleration or deceleration)
- When your vehicle approaches a detectable object rapidly
- When a detectable object is not directly in front of your vehicle



- When a detectable object is near a wall, fence, guardrail, manhole cover, vehicle, steel plate on the road, etc.
- When a detectable object is under a structure
- When part of a detectable object is hidden by an object, such as large baggage, an umbrella, or guardrail
- When multiple detectable objects are close together
- If the sun or other light is shining directly on a detectable object
- When a detectable object is a shade of white and looks extremely bright
- When a detectable object appears to be nearly the same color or brightness as its surroundings
- If a detectable object cuts or suddenly emerges in front of your vehicle
- When the front of your vehicle is hit by water, snow, dust, etc.
- When a very bright light ahead, such as the sun or the headlights of oncoming traffic, shines directly into the front camera
- When approaching the side or front of a vehicle ahead
 - If a vehicle ahead is a motorcycle
 - If a vehicle ahead is narrow, such as a personal mobility vehicle
 - If a preceding vehicle has a small rear end, such as an unloaded truck
 - If a preceding vehicle has a low rear end, such as a low bed trailer



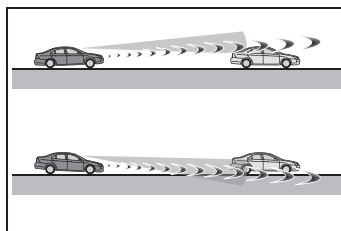
- If a vehicle ahead has extremely high ground clearance



- If a vehicle ahead is carrying a load which protrudes past its rear bumper
- If a vehicle ahead is irregularly shaped, such as a tractor or side car
- If a vehicle ahead is a child sized bicycle, a bicycle that is carrying a large load, a bicycle ridden by more than one person, or a uniquely shaped bicycle (bicycle with a child seat, tandem bicycle, etc.)
- If a pedestrian/or the riding height of a bicyclist ahead is shorter than approximately 1m (3.2 ft.) or taller than approximately 2m (6.5 ft.)
- If a pedestrian/bicyclist is wearing oversized clothing (a rain coat, long skirt, etc.), making their silhouette obscure
- If a pedestrian is bending forward or squatting or bicyclist is bending forward
- If a pedestrian/bicyclist is moving fast
- If a pedestrian is pushing a stroller, wheelchair, bicycle or other vehicle
- When driving in inclement weather such as heavy rain, fog, snow or a sandstorm
- When driving through steam or smoke
- When the surrounding area is dim, such as at dawn or dusk, or while at night or in a tunnel, making a detectable object appear to be nearly the

same color as its surroundings

- When driving in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a tunnel
- After the 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
- In some situations such as the following, sufficient braking force may not be obtained, preventing the system from performing properly:
 - If the braking functions cannot operate to their full extent, such as when the brake parts are extremely cold, extremely hot, or wet
 - If the vehicle is not properly maintained (brakes or tires are excessively worn, improper tire inflation pressure, etc.)
- When the vehicle is being driven on a gravel road or other slippery surface

■ If VSC is disabled

- If VSC is disabled (→P.222), the pre-collision brake assist and pre-collision braking functions are also disa-

bled.

- The PCS warning light will turn on and “VSC Turned OFF Pre-Collision Brake System Unavailable” will be displayed on the multi-information display.

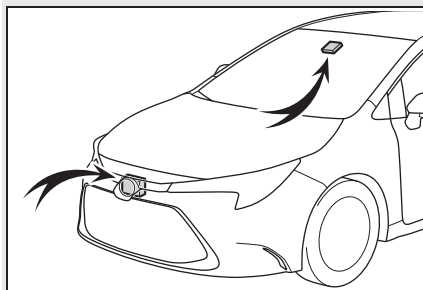
LTA (Lane Tracing Assist)*

*: If equipped

When driving on highways and freeways with white (yellow) lane lines, this function alerts the driver when the vehicle might depart from its lane or course* and provides assistance by operating the steering wheel to keep the vehicle in its lane or course*. Furthermore, the system provides steering assistance when dynamic radar cruise control with full-speed range is operating to keep the vehicle in its lane.

The LTA system recognizes white (yellow) lane lines or a course* using the front camera. Additionally, it detects preceding vehicles using the front camera and radar.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



**WARNING****■ Before using LTA system**

- Do not rely solely upon the LTA system. The LTA system does not automatically drive the vehicle or reduce the amount of attention that must be paid to the area in front of the vehicle. The driver must always assume full responsibility for driving safely by paying careful attention to the surrounding conditions and operating the steering wheel to correct the path of the vehicle. Also, the driver must take adequate breaks when fatigued, such as from driving for a long period of time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident, resulting in death or serious injury.
- When not using the LTA system, use the LTA switch to turn the system off.

■ Situations unsuitable for LTA system

In the following situations, use the LTA switch to turn the system off. Failure to do so may lead to an accident, resulting in death or serious injury.

- Vehicle is driven on a road surface which is slippery due to rainy weather, fallen snow, freezing, etc.
- Vehicle is driven on a snow-covered road.
- White (yellow) lines are difficult to see due to rain, snow, fog, dust, etc.
- Vehicle is driven in a temporary lane or restricted lane due to construction work.
- Vehicle is driven in a construction zone.
- A spare tire, tire chains, etc. are equipped.

- When the tires have been excessively worn, or when the tire inflation pressure is low.

- When tires of a size other than specified are installed.

- Vehicle is driven in traffic lanes other than that highways and free-ways.

- When your vehicle is towing a trailer or during emergency towing

■ Preventing LTA system malfunctions and operations performed by mistake

- Do not modify the headlights or place stickers, etc. on the surface of the lights.

- Do not modify the suspension etc. If the suspension etc. needs to be replaced, contact your Toyota dealer.

- Do not install or place anything on the hood or grille. Also, do not install a grille guard (bull bars, kangaroo bar, etc.).

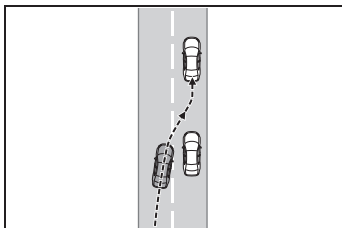
- If your windshield needs repairs, contact your Toyota dealer.

■ Conditions in which functions may not operate properly

In the following situations, the functions may not operate properly and the vehicle may depart from its lane. Drive safely by always paying careful attention to your surroundings and operate the steering wheel to correct the path of the vehicle without relying solely on the functions.

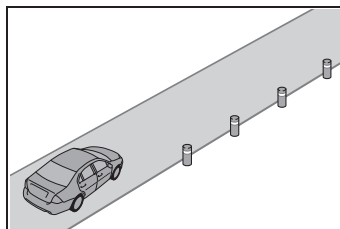
**WARNING**

- When the follow-up cruising display is displayed (→P.175) and the preceding vehicle changes lanes. (Your vehicle may follow the preceding vehicle and also change lanes.)

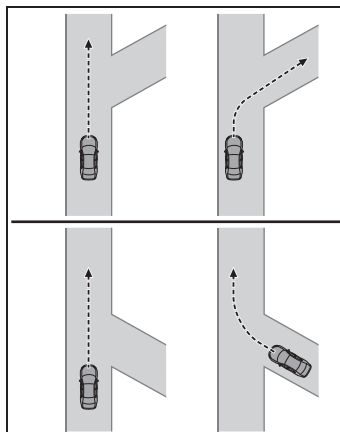


- When the follow-up cruising display is displayed (→P.175) and the preceding vehicle is swaying. (Your vehicle may sway accordingly and depart from the lane.)
- When the follow-up cruising display is displayed (→P.175) and the preceding vehicle departs from its lane. (Your vehicle may follow the preceding vehicle and depart from the lane.)
- When the follow-up cruising display is displayed (→P.175) 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.

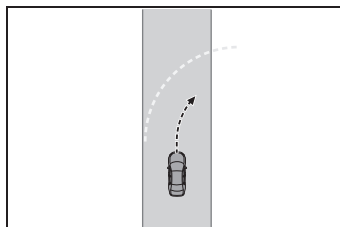
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, reflective poles, etc.).



- 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.

**WARNING**

- The vehicle is driven in an area without white (yellow) lines, such as in front of a tollgate or checkpoint, or at an intersection, etc.
- The white (yellow) lines are cracked, "Raised pavement marker" or stones are present.
- The white (yellow) lines cannot be seen or are difficult to see due to sand, etc.
- The vehicle is driven on a road surface that is wet due to rain, puddles, etc.
- The traffic lines are yellow (which may be more difficult to recognize than lines that are white).
- The white (yellow) lines cross over a curb, etc.
- The vehicle is driven on a bright surface, such as concrete.
- If the edge of the road is not clear or straight.
- The vehicle is driven on a surface that is bright due to reflected light, etc.
- The vehicle is driven in an area where the brightness changes suddenly, such as at the entrances and exits of tunnels, etc.
- Light from the headlights of an oncoming vehicle, the sun, etc. enters the camera.
- The vehicle is driven on a slope.
- The vehicle is driven on a road which tilts left or right, or a winding road.
- The vehicle is driven on an unpaved or rough road.
- The traffic lane is excessively narrow or wide.

- The vehicle is extremely tilted due to carrying heavy luggage or having improper tire pressure.
- The distance to the preceding vehicle is extremely short.
- The vehicle is moving up and down a large amount due to road conditions during driving (poor roads or road seams).
- When driving in a tunnel or at night with the headlights off or when a headlight is dim due to its lens being dirty or it being misaligned.
- The vehicle is struck by a crosswind.
- The vehicle is affected by wind from a vehicle driven in a nearby lane.
- The vehicle has just changed lanes or crossed an intersection.
- Tires which differ by structure, manufacturer, brand or tread pattern are used.
- Snow tires, etc. are equipped.
- The vehicle is being driven at extremely high speeds.

Functions included in LTA system**■ Lane departure alert function**

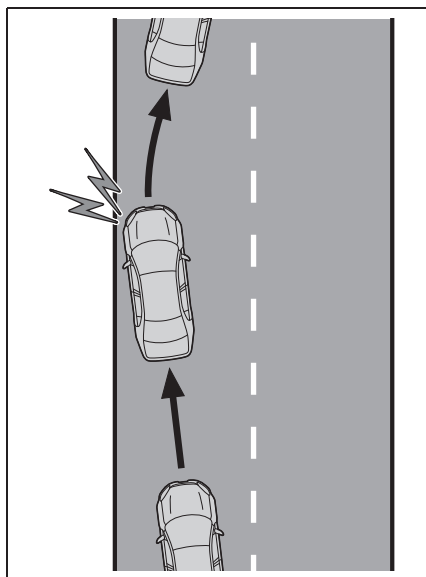
When the system determines that the vehicle might depart from its lane or course*, a warning is displayed on the multi-information display, and a warning buzzer will sound to alert the driver.

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.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



■ Steering assist function

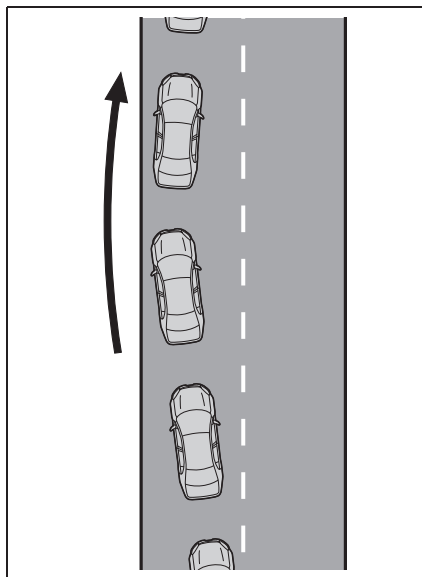
When the system determines that the vehicle might depart from its lane or course*, the system provides assistance as necessary by operating the steering wheel in small amounts for a short period of time to keep the vehicle in its lane.

If the system detects that the steering wheel has not been operated for a fixed amount of time or the steering wheel is not being firmly gripped, a warning is

displayed on the multi-information display and the function is temporarily canceled.

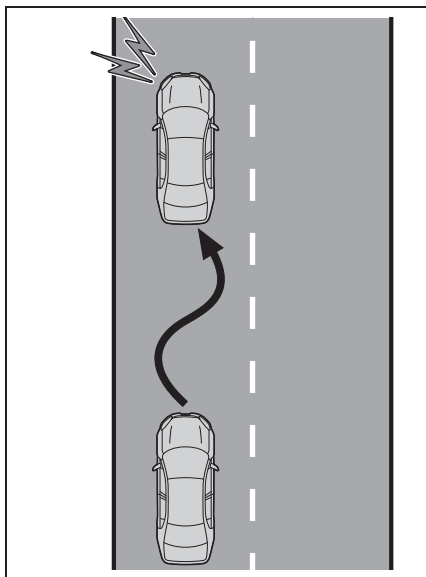
Vehicle with BSM: When the system determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the steering assist function will operate even if the turn signals are operating.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



■ Vehicle sway warning function

When the vehicle is swaying within a lane, the warning buzzer will sound and a message will be displayed on the multi-information display to alert the driver.



■ Lane centering function

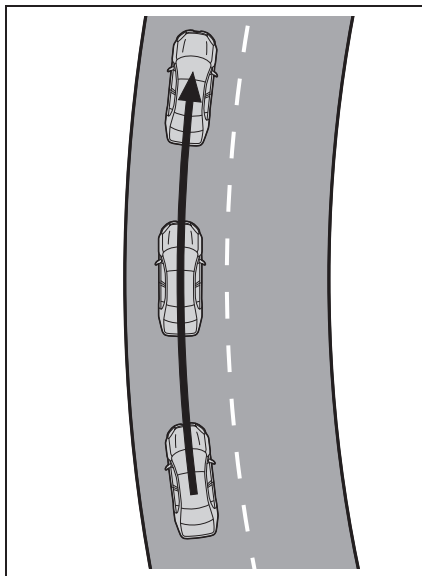
This function is linked with dynamic radar cruise control with full-speed range and provides the required assistance by operating the steering wheel to keep the vehicle in its current lane.

When dynamic radar cruise control with full-speed range is not operating, the lane centering function does not operate.

In situations where the white (yellow) lane lines are difficult to see or are not visible, such as when in a traffic jam, this function will operate to help follow a preceding vehicle by monitoring the position of the preceding vehicle.

If the system detects that the steering wheel has not been operated for a fixed amount of time or the steering wheel is not being firmly gripped, a warning is displayed on the multi-information display and the function is temporarily

canceled.



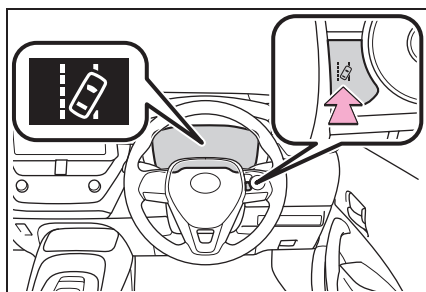
Turning LTA system on

Press the LTA switch to turn the LTA system on.

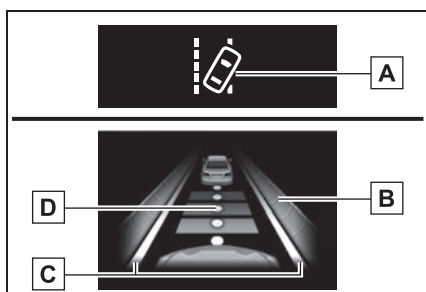
The LTA indicator illuminates and a message is displayed on the multi-information display.

Press the LTA switch again to turn the LTA system off.

When the LTA system is turned on or off, operation of the LTA system continues in the same condition the next time the engine is started.



Indications on multi-information display



A LTA indicator

The illumination condition of the indicator informs the driver of the system operation status.

Illuminated in white: LTA system is operating.

Illuminated in green: Steering wheel assistance of the steering assist function or lane centering function is operating.

Flashing in orange: Lane departure alert function is operating.

B Operation display of steering wheel operation support

Displayed when the multi-information display is switched to the driving support system information display.

Indicates that steering wheel assistance of the steering assist function or

lane centering function is operating.

Both outer sides of the lane are displayed: Indicates that steering wheel assist of the lane centering function is operating.

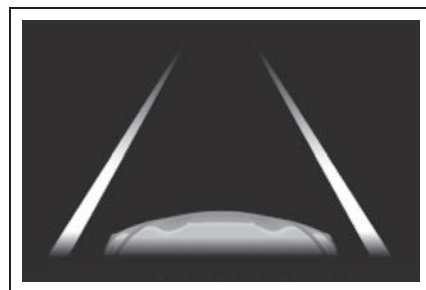
One outer side of the lane is displayed: Indicates that steering wheel assist of the steering assist function is operating.

Both outer sides of the lane are flashing: Alerts the driver that their input is necessary to stay in the center of the lane (lane centering function).

C Lane departure alert function display

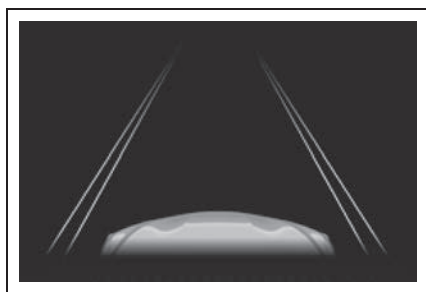
Displayed when the multi-information display is switched to the driving support system information display.

► Inside of displayed lines is white



Indicates that the system is recognizing white (yellow) lines or a course*. When the vehicle departs from its lane, the white line displayed on the side the vehicle departs from flashes orange.

- Inside of displayed lines is black



Indicates that the system is not able to recognize white (yellow) lines or a course* or is temporarily canceled.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

D Follow-up cruising display

Displayed when the multi-information display is switched to the driving support system information display.

Indicates that steering assist of the lane centering function is operating by monitoring the position of a preceding vehicle.

When the follow-up cruising display is displayed, if the preceding vehicle moves, your vehicle may move in the same way. Always pay careful attention to your surroundings and operate the steering wheel as necessary to correct the path of the vehicle and ensure safety.

■ 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.178)

*¹: The function operates even if the vehicle speed is less than approximately 50 km/h (32 mph) when the lane centering function is operating.

*²: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

● Steering assist function

This function operates when all of the following conditions are met in addition to the operation conditions for the lane departure alert function.

- Setting for "Steering Assist" in  of the multi-information display is set to "ON". (→P.332)
- Vehicle is not accelerated or decelerated by a fixed amount or more.
- Steering wheel is not operated with a steering force level suitable for changing lanes.
- ABS, VSC, TRC and PCS are not operating.
- TRC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P.177)

● Vehicle sway warning function

This function operates when all of the following conditions are met.

- Setting for "Sway Warning" in  of


the multi-information display is set to "ON". (→P.332)

- 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.178)

● Lane centering function

This function operates when all of the following conditions are met.

- LTA is turned on.
- Setting for "Steering Assist" and "Lane

Center" in  of the multi-information display are set to "ON". (→P.332)

- This function recognizes white (yellow) lane lines or the position of a preceding vehicle (except when the preceding vehicle is small, such as a motorcycle).
- The dynamic radar cruise control with full-speed range is operating in vehicle-to-vehicle distance control mode.
- Width of traffic lane is approximately 3 to 4 m (10 to 13 ft.).
- Turn signal lever is not operated.
- Vehicle is not being driven around a sharp curve.
- No system malfunctions are detected. (→P.178)
- 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.177)
- 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 automati-

cally restored. (→P.176)

- If the operation conditions (→P.174) 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.

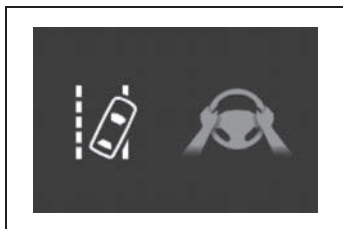
■ Lane departure alert function

- 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

■ Hands off steering wheel warning

In the following situations, a warning message urging the driver to hold the steering wheel and the symbol shown in the illustration are displayed on the multi-information display to warn the driver. The warning stops when the system determines that the driver holds the steering wheel. Always keep your hands on the steering wheel when using this system, regardless of warnings.



- When the system determines that the driver is driving without holding the steering wheel while the system is operating

If the driver continues to keep their hands off of the steering wheel, the buzzer sounds, the driver is warned and the function is temporarily canceled. This warning also operates in the same way when the driver continuously operates the steering wheel only a small amount.

- When the system determines that the vehicle may not turn and instead depart from its lane while driving around a curve

Depending on the vehicle condition and road conditions, the warning may not operate. Also, if the system determines that the vehicle is driving around a curve, warnings will occur earlier than during straight-lane driving.

- When the system determines that the driver is driving without holding the steering wheel while the steering wheel assist of the steering assist function is operating.

If the driver continues to keep their hands off of the steering wheel and the steering wheel assist is operating, the buzzer sounds and the driver is warned. Each time the buzzer sounds, the continuing time of the buzzer becomes longer.

■ 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 simultane-

ously displayed on the multi-information display.



Depending on the vehicle and road conditions, the warning may not operate.

■ Warning message

If the following warning message is displayed on the multi-information display and the LTA indicator illuminates in orange, follow the appropriate troubleshooting procedure. Also, if a different warning message is displayed, follow the instructions displayed on the screen.

- "LTA Malfunction Visit Your Dealer"

The system may not be operating properly. Have the vehicle inspected by your Toyota dealer.

- "LTA Unavailable"

The system is temporarily canceled due to a malfunction in a sensor other than the front camera. Turn the LTA system off, wait for a little while, and then turn the LTA system back on.

- "LTA Unavailable at Current Speed"

The function cannot be used as the vehicle speed exceeds the LTA operation range. Drive slower.

■ Customization

Function settings can be changed.
(→P.332)

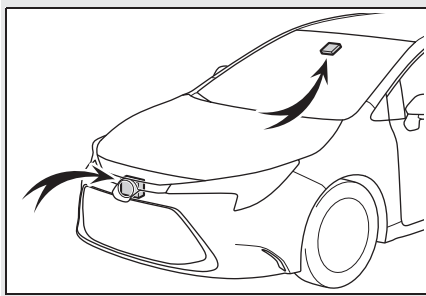
LDA (Lane Departure Alert with steering control)*

*: If equipped

When driving on highways and freeways with white (yellow) lane lines, this function alerts the driver when the vehicle might depart from its lane or course* and provides assistance by operating the steering wheel to keep the vehicle in its lane or course*.

The LDA 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 LDA system

- Do not rely solely upon the LDA system. The LDA system does not automatically drive the vehicle or reduce the amount of attention that must be paid to the area in front of the vehicle. The driver must always assume full responsibility for driving safely by paying careful attention to the surrounding conditions and operating the steering wheel to correct the path of the vehicle. Also, the driver must take adequate breaks when fatigued, such as from driving for a long period of time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident, resulting in death or serious injury.
- When not using the LDA system, use the LDA switch to turn the system off.

■ Situations unsuitable for LDA system

In the following situations, use the LDA 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.
- A spare tire, tire chains, etc. are equipped.
- When the tires have been excessively worn, or when the tire inflation pressure is low.



WARNING

- When tires of a size other than specified are installed.
- Vehicle is driven in traffic lanes other than that highways and free-ways.
- When your vehicle is towing a trailer or during emergency towing

■ Preventing LDA system malfunctions and operations performed by mistake

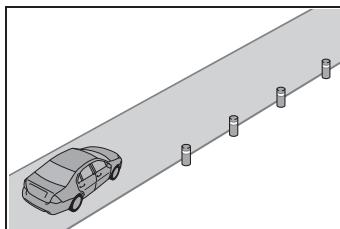
- Do not modify the headlights or place stickers, etc. on the surface of the lights.
- Do not modify the suspension etc. If the suspension etc. needs to be replaced, contact your Toyota dealer.
- Do not install or place anything on the hood or grille. Also, do not install a grille guard (bull bars, kangaroo bar, etc.).
- If your windshield needs repairs, contact your Toyota dealer.

■ Conditions in which functions may not operate properly

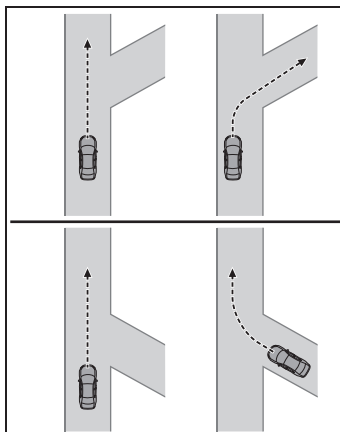
In the following situations, the functions may not operate properly and the vehicle may depart from its lane. Drive safely by always paying careful attention to your surroundings and operate the steering wheel to correct the path of the vehicle without relying solely on the functions.

- Vehicle is being driven around a sharp curve.

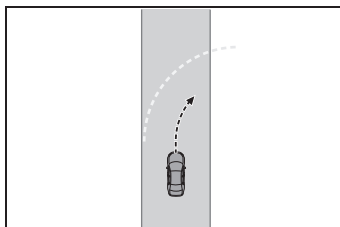
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, reflective poles, etc.).



- 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.

**WARNING**

- The vehicle is driven in an area without white (yellow) lines, such as in front of a tollgate or checkpoint, or at an intersection, etc.
- The white (yellow) lines are cracked, "Raised pavement marker" or stones are present.
- The white (yellow) lines cannot be seen or are difficult to see due to sand, etc.
- The vehicle is driven on a road surface that is wet due to rain, puddles, etc.
- The traffic lines are yellow (which may be more difficult to recognize than lines that are white).
- The white (yellow) lines cross over a curb, etc.
- The vehicle is driven on a bright surface, such as concrete.
- If the edge of the road is not clear or straight.
- The vehicle is driven on a surface that is bright due to reflected light, etc.
- The vehicle is driven in an area where the brightness changes suddenly, such as at the entrances and exits of tunnels, etc.
- Light from the headlights of an oncoming vehicle, the sun, etc. enters the camera.
- The vehicle is driven on a slope.
- The vehicle is driven on a road which tilts left or right, or a winding road.
- The vehicle is driven on an unpaved or rough road.
- The traffic lane is excessively narrow or wide.

- The vehicle is extremely tilted due to carrying heavy luggage or having improper tire pressure.
- The distance to the preceding vehicle is extremely short.
- The vehicle is moving up and down a large amount due to road conditions during driving (poor roads or road seams).
- When driving in a tunnel or at night with the headlights off or when a headlight is dim due to its lens being dirty or it being misaligned.
- The vehicle is struck by a crosswind.
- The vehicle has just changed lanes or crossed an intersection.
- Tires which differ by structure, manufacturer, brand or tread pattern are used.
- Snow tires, etc. are equipped.

Functions included in LDA system

■ Lane departure alert function

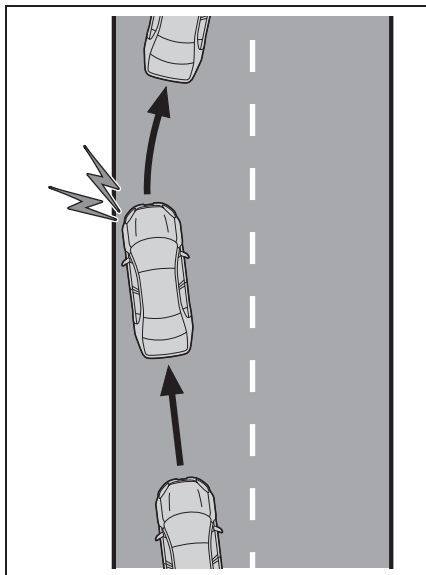
When the system determines that the vehicle might depart from its lane or course*, a warning is displayed on the multi-information display, and a warning buzzer will sound to alert the driver.

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 possi-

bility of a collision with an overtaking vehicle in the adjacent lane is high, the lane departure alert will operate even if the turn signals are operating.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



■ Steering assist function

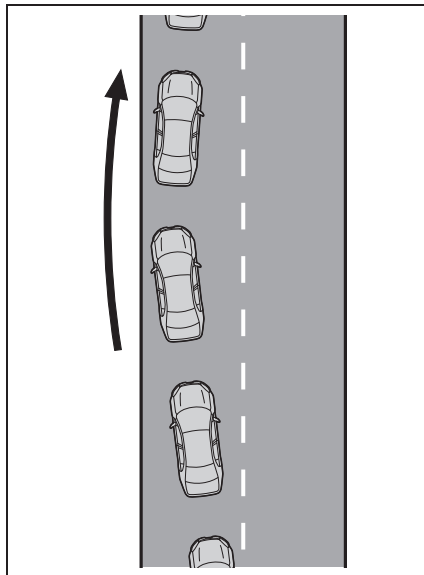
When the system determines that the vehicle might depart from its lane or course^{*}, the system provides assistance as necessary by operating the steering wheel in small amounts for a short period of time to keep the vehicle in its lane.

If the system detects that the steering wheel has not been operated for a fixed amount of time or the steering wheel is not being firmly gripped, a warning is displayed on the multi-information display and the function is temporarily canceled.

Vehicle with BSM: When the system

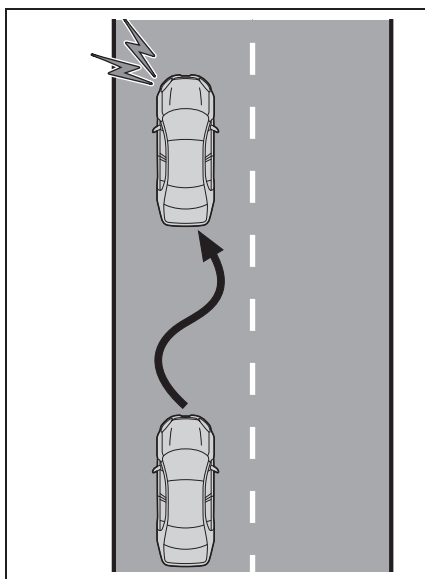
determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the steering assist function will operate even if the turn signals are operating.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb



■ 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.



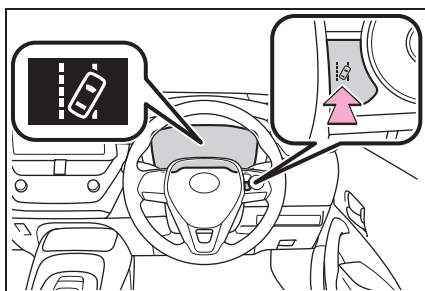
Turning LDA system on

Press the LDA switch to turn the LDA system on.

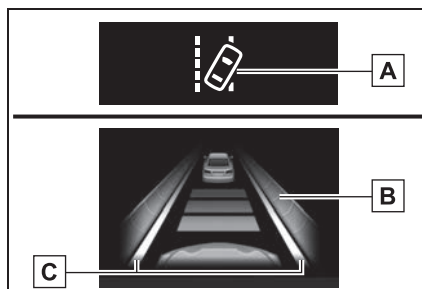
The LDA indicator illuminates and a message is displayed on the multi-information display.

Press the LDA switch again to turn the LDA system off.

When the LDA system is turned on or off, operation of the LDA system continues in the same condition the next time the engine is started.



Indications on multi-information display



A LDA indicator

The illumination condition of the indicator informs the driver of the system operation status.

Illuminated in white: LDA system is operating.

Illuminated in green: Steering wheel assistance of the steering assist function is operating.

Flashing in orange: Lane departure alert function is operating.

B Operation display of steering wheel operation support

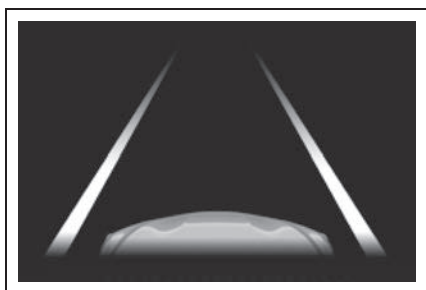
Displayed when the multi-information display is switched to the driving support system information display.

Indicates that steering wheel assistance of the steering assist function is operating.

C Lane departure alert function display

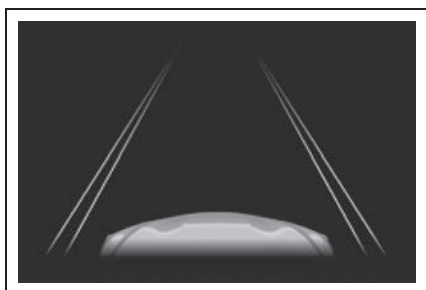
Displayed when the multi-information display is switched to the driving support system information display.

- Inside of displayed lines is white



Indicates that the system is recognizing white (yellow) lines or a course*. When the vehicle departs from its lane, the white line displayed on the side the vehicle departs from flashes orange.

- Inside of displayed lines is black



Indicates that the system is not able to recognize white (yellow) lines or a course* or is temporarily canceled.

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

■ Operation conditions of each function

● Lane departure alert function


This function operates when all of the following conditions are met.

- LDA is turned on.
- Vehicle speed is approximately 50 km/h (32 mph) or more.
- System recognizes white (yellow) lane lines or a course*. (When a white [yellow] line or course* 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.186)

*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb


● Steering assist function

This function operates when all of the following conditions are met in addition to the operation conditions for the lane departure alert function.

- Setting for "Steering Assist" in  of the multi-information display is set to "ON". (→P.332)
- Vehicle is not accelerated or decelerated by a fixed amount or more.
- Steering wheel is not operated with a steering force level suitable for changing lanes.
- ABS, VSC, TRC and PCS are not operating.
- TRC or VSC is not turned off.
- Hands off steering wheel warning is not displayed. (→P.185)

● Vehicle sway warning function

This function operates when all of the following conditions are met.

- Setting for "Sway Warning" in  of the multi-information display is set to "ON". (→P.332)
- 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.186)

■ 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.184)

■ Steering assist 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

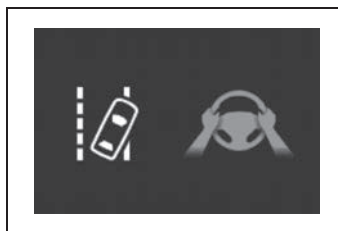
- The warning buzzer may be difficult to hear due to external noise, audio playback, etc.
- If the edge of the course* is not clear or straight, the lane departure alert function may not operate.
- Vehicle with BSM: It may not be possible for the system to determine if there is a danger of a collision 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

■ 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 sys-

tem determines that the driver holds the steering wheel. Always keep your hands on the steering wheel when using this system, regardless of warnings.



- When the system determines that the driver is driving without holding the steering wheel while the system is operating

If the driver continues to keep their hands off of the steering wheel, the buzzer sounds, the driver is warned and the function is temporarily canceled. This warning also operates in the same way when the driver continuously operates the steering wheel only a small amount.

- When the system determines that the vehicle may not turn and instead depart from its lane while driving around a curve

Depending on the vehicle condition and road conditions, the warning may not operate. Also, if the system determines that the vehicle is driving around a curve, warnings will occur earlier than during straight-lane driving.

- When the system determines that the driver is driving without holding the steering wheel while the steering wheel assist of the steering assist function is operating.

If the driver continues to keep their hands off of the steering wheel and the steering wheel assist is operating, the buzzer sounds and the driver is warned. Each time the buzzer sounds, the continuing time of the buzzer becomes longer.

■ Vehicle sway warning function

When the system determines that the

vehicle is swaying while the vehicle sway warning function is operating, a buzzer sounds and a warning message urging the driver to rest and the symbol shown in the illustration are simultaneously displayed on the multi-information display.



Depending on the vehicle and road conditions, the warning may not operate.

■ Warning message

If the following warning message is displayed on the multi-information display and the LDA indicator illuminates in orange, follow the appropriate troubleshooting procedure. Also, if a different warning message is displayed, follow the instructions displayed on the screen.

● “LDA Malfunction Visit Your Dealer”

The system may not be operating properly. Have the vehicle inspected by your Toyota dealer.

● “LDA Unavailable”

The system is temporarily canceled due to a malfunction in a sensor other than the front camera. Turn the LDA system off, wait for a little while, and then turn the LDA system back on.

● “LDA Unavailable at Current Speed”

The function cannot be used as the vehicle speed exceeds the LDA operation range. Drive slower.

● “LDA Unavailable Below Approx. 50km/h”

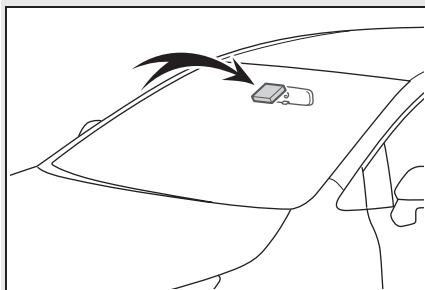
The LDA system cannot be used as the vehicle speed is less than approximately 50 km/h (32 mph). Drive the vehicle at approximately 50 km/h (32 mph) or more.

■ Customization

Function settings can be changed.
(→P.332)

RSA (Road Sign Assist)

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 in relation to the recognized road signs, it notifies the driver using a notification display and notification buzzer.



WARNING

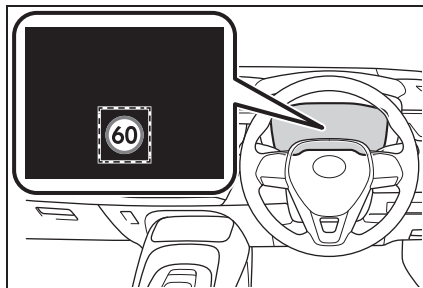
■ Before using the RSA

Do not rely solely upon the RSA system. RSA is a system which supports the driver by providing information, but it is not a replacement for a driver's own vision and awareness. Drive safely by always paying careful attention to the traffic rules.

Indication on the multi-information display

When the front camera recognizes

a sign and/or information of a sign is available from the navigation system, the sign will be displayed on the multi-information display.



Supported types of road signs

The following types of road signs, including electronic signs and blinking signs, are recognized.

A non-official or a recently introduced traffic sign may not be recognized.



Speed limit







Notification function

In the following situations, the RSA system will notify the driver.

- When the vehicle speed exceeds the speed notification threshold of the speed limit sign displayed, the sign display will be emphasized and a buzzer will sound.

Depending on the situation, a notification function may not operate properly.

■ Setting procedure

- 1 Press  or  of the meter control switches and select .
- 2 Press  or  of the meter control switches and select , then press OK

■ Automatic turn-off of RSA sign display

In the following situations, a displayed speed limit sign will stop being displayed automatically:

- A new sign is not recognized for a certain distance.
- The road changes due to a left or right turn, etc.

■ Conditions in which the function may not operate or detect correctly

In the following situations, RSA does not operate normally and may not recognize signs, display the incorrect sign, etc. However, this does not indicate a malfunction.

- The 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.
- Even if it is a sign not appropriate for the currently traveled lane, such a sign exists directly after a freeway

branches, or in an adjacent lane just before merging.

- Stickers are attached to the rear of the preceding vehicle.
- A sign resembling a system compatible sign is recognized.
- Side road speed signs may be detected and displayed (if positioned in sight of the front camera) while the vehicle is traveling on the main road.
- Roundabout exit road speed signs may be detected and displayed (if positioned in sight of the front camera) while traveling on a roundabout.
- The front of the vehicle is raised or lowered due to the carried load.
- The surrounding brightness is not sufficient or changes suddenly.
- When a sign intended for trucks, etc. is recognized.
- The speed information displayed on the meter and that displayed 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. (→P.332)

Dynamic radar cruise control with full-speed range*

*: If equipped

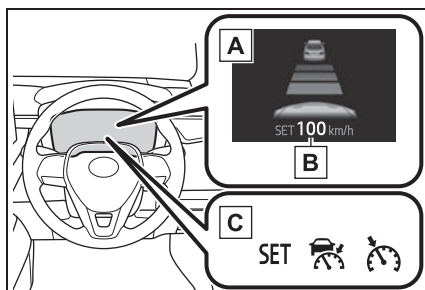
In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates, decelerates and stops to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.

Use the dynamic radar cruise control with full-speed range on freeways and highways.

- Vehicle-to-vehicle distance control mode (→P.192)
- Constant speed control mode (→P.196)

System Components

■ Meter display

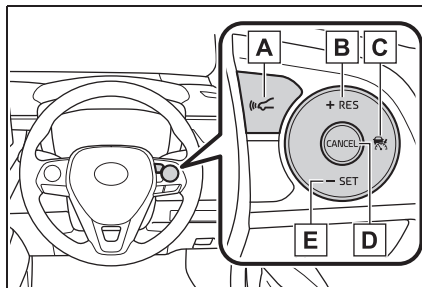


A Multi-information display

B Set speed

C Indicators

■ Operation switches



A Vehicle-to-vehicle distance switch

B "+RES" switch

C Cruise control main switch

D Cancel switch

E "-SET" switch

! WARNING

■ Before using dynamic radar cruise control with full-speed range

- Driving safely is the sole responsibility of the driver. Do not rely solely on the system, and drive safely by always paying careful attention to your surroundings.
- 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.198

**WARNING**

- Conditions under which the vehicle-to-vehicle distance control mode may not function correctly:
→P.199
- Set the speed appropriately depending on the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for checking the set speed.
- Even when the system is functioning normally, the condition of the preceding vehicle as detected by the system may differ from the condition observed by the driver. Therefore, the driver must always remain alert, assess the danger of each situation and drive safely. Relying solely on this system or assuming the system ensures safety while driving can lead to an accident, resulting in death or serious injury.
- Switch the dynamic radar cruise control with full-speed range setting to off, using the cruise control main switch when not in use.

■ Cautions regarding the driving assist systems

Observe the following precautions, as there are limitations to the assistance provided by the system. Failure to do so may cause an accident resulting in death or serious injury.

- Assisting the driver to measure following distance

The dynamic radar cruise control with full-speed range is only intended to help the driver in determining the following distance between the driver's own vehicle and a designated vehicle traveling ahead. It is not a mechanism that allows careless or inattentive driving, and it is not a system that can assist the driver in low-visibility conditions.

It is still necessary for driver to pay close attention to the vehicle's surroundings.

- Assisting the driver to judge proper following distance

The dynamic radar cruise control with full-speed range determines whether the following distance between the driver's own vehicle and a designated vehicle traveling ahead is within a set range. It is not capable of making any other type of judgement. Therefore, it is absolutely necessary for the driver to remain vigilant and to determine whether or not there is a possibility of danger in any given situation.

- 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

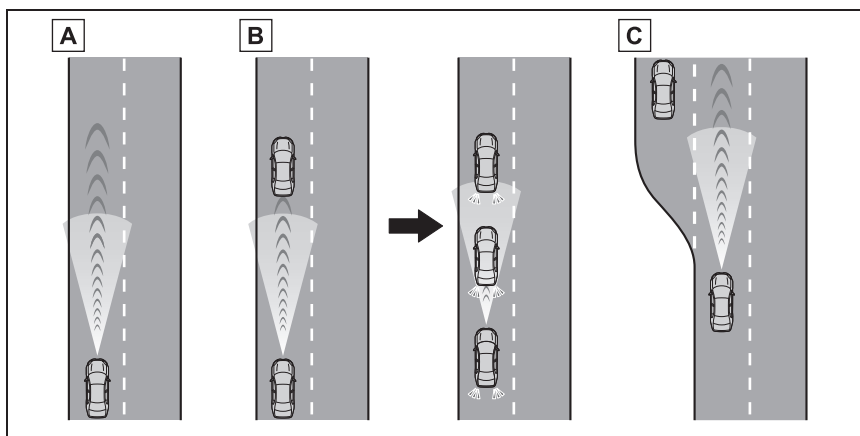
Vehicle speed may exceed the set speed when driving down a steep hill.

- 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 camera
- In traffic conditions that require frequent repeated acceleration and deceleration
- When your vehicle is towing a trailer or during emergency towing
- When an approach warning buzzer is heard often

Driving in vehicle-to-vehicle distance control mode

This mode employs a radar to detect the presence of vehicles up to approximately 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.



A Example of constant speed cruising

When there are no vehicles ahead

The vehicle travels at the speed set by the driver.

B Example of deceleration cruising and follow-up cruising

When a preceding vehicle driving slower than the set speed appears

When a vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system applies the brakes (the stop lights will come on at this time). The system will respond to changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver. Approach warning warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.

When the vehicle ahead of you stops, your vehicle will also stop (vehicle is stopped by system control). After the vehicle ahead starts off, pressing the “+RES” switch or depressing the accelerator pedal (start-off operation) will resume follow-up cruising. If the start-off operation is not performed, system control continues to keep your vehicle stopped.

When the turn signal lever is operated and your vehicle moves to an overtaking lane

while driving at 80 km/h (50 mph) or more, the vehicle will accelerate to help to overtake a passing vehicle.

The system's identification of what is an overtaking lane may be determined solely based on the location of the steering wheel in the vehicle (left side driver position versus right side driver position.) If the vehicle is driven to a region where the overtaking lane is on a different side from where the vehicle is normally driven, the vehicle may accelerate when the turn signal lever is operated in the opposite direction to the overtaking lane (e.g., if the driver normally operates the vehicle in a region where the overtaking lane is to the right but then drives to a region where the overtaking lane is to the left, the vehicle may accelerate when the right turn signal is activated).

C Example of acceleration

When there are no longer any preceding vehicles driving slower than the set speed

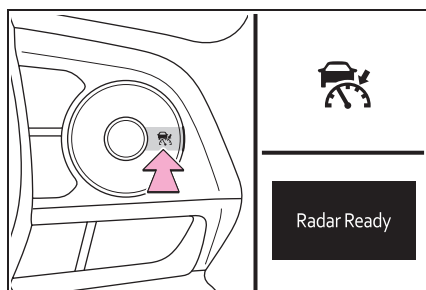
The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

Setting the vehicle speed (vehicle-to-vehicle distance control mode)

- 1 Press the cruise control main switch to activate the cruise control.

Dynamic radar cruise control indicator will come on and a message will be displayed on the multi-information display. Press the switch again to deactivate the cruise control.

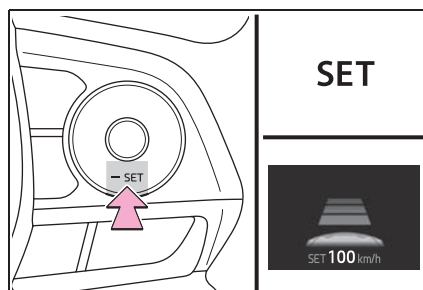
If the cruise control main switch is pressed and held for 1.5 seconds or more, the system turns on in constant speed control mode. (→P.196)



- 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.

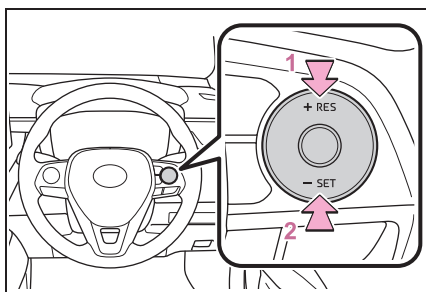
The vehicle speed at the moment the switch is released becomes the set speed.



Adjusting the set speed

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 (0.6 mph)^{*1} or 1 mph (1.6 km/h)^{*2} each time the switch is pressed

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)^{*1} or 5 mph (8 km/h)^{*2} increments for as long as the switch is held

In the constant speed control mode (→P.196), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph)^{*1} or 1 mph (1.6 km/h)^{*2} each time the switch is pressed

Large adjustment: The speed will con-

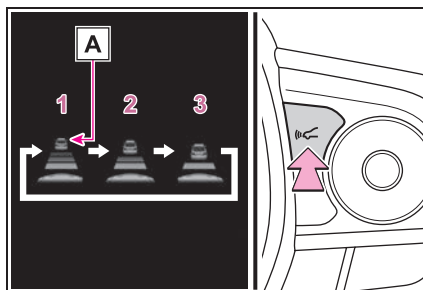
tinue to change while the switch is held.

^{*1}: When the set speed is shown in "km/h"

^{*2}: When the set speed is shown in "MPH"

Changing the vehicle-to-vehicle distance (vehicle-to-vehicle distance control mode)

Pressing the switch changes the vehicle-to-vehicle distance as follows:



1 Long

2 Medium

3 Short

The vehicle-to-vehicle distance is set automatically to long mode when the engine switch is turned to ON.

If a vehicle is running ahead of you, the preceding vehicle mark **A** will also be displayed.

Vehicle-to-vehicle distance settings (vehicle-to-vehicle distance control mode)

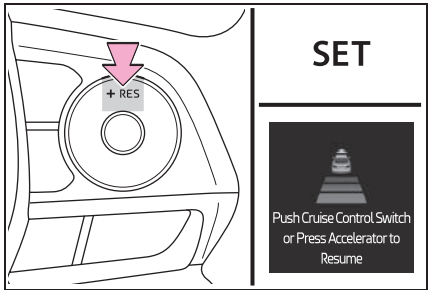
Select a distance from the table below. Note that the distances shown correspond to a vehicle

speed of 80 km/h (50 mph). Vehicle-to-vehicle distance increases/decreases in accordance with vehicle speed. When the vehicle is stopped by system control, the vehicle stops at a certain vehicle-to-vehicle distance depending on the situation.

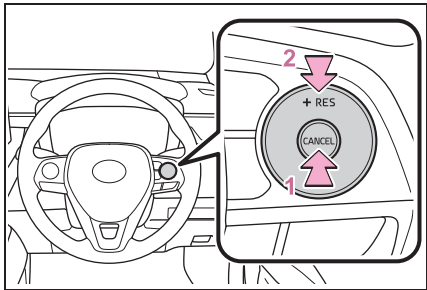
Distance options	Vehicle-to-vehicle distance
Long	Approximately 50 m (160 ft.)
Medium	Approximately 40 m (130 ft.)
Short	Approximately 30 m (100 ft.)

Resuming follow-up cruising when the vehicle has been stopped by system control (vehicle-to-vehicle distance control mode)

After the vehicle ahead of you starts off, press the “+RES” switch. Your vehicle will also resume follow-up cruising if the accelerator pedal is depressed after the vehicle ahead of you starts off.



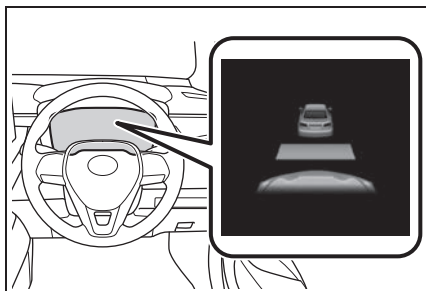
Canceling and resuming the speed control



- 1** Pressing the cancel switch cancels the speed control.
The speed control is also canceled when the brake pedal is depressed. (When the vehicle has been stopped by system control, depressing the brake pedal does not cancel the setting.)
- 2** Pressing the “+RES” switch resumes the cruise control and returns vehicle speed to the set speed.

Approach warning (vehicle-to-vehicle distance control mode)

When your vehicle is too close to a vehicle ahead, and sufficient automatic deceleration via the cruise control is not possible, the display will flash and the buzzer will sound to alert the driver. An example of this would be if another driver cuts in front of you while you are following a vehicle. Depress the brake pedal to ensure an appropriate vehicle-to-vehicle distance.



■ Warnings may not occur when

In the following instances, warnings may not occur even when the vehicle-to-vehicle distance is small.

- When the speed of the preceding vehicle matches or exceeds your vehicle speed
- When the preceding vehicle is traveling at an extremely slow speed
- Immediately after the cruise control speed was set
- When depressing the accelerator pedal

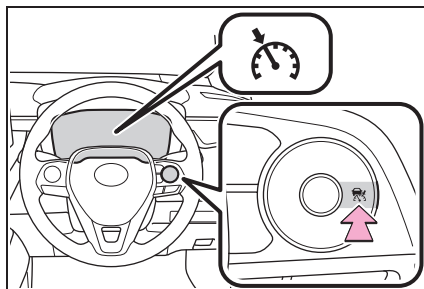
Selecting constant speed control mode

When constant speed control mode is selected, your vehicle will maintain a set speed without controlling the vehicle-to-vehicle distance. Select this mode only when vehicle-to-vehicle distance control mode does not function correctly due to a dirty radar, etc.

- 1 With the cruise control off, press and hold the cruise control main switch for 1.5 seconds or more.

Immediately after the switch is pressed, the dynamic radar cruise control indicator will come on. Afterwards, it switches to the cruise control indicator.

Switching to constant speed control mode is only possible when operating the switch with the cruise control off.



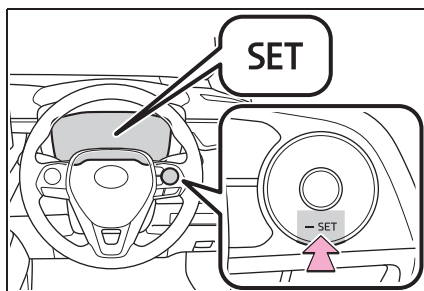
- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the “-SET” switch to set the speed.

Cruise control “SET” indicator will come on.

The vehicle speed at the moment the switch is released becomes the set speed.

Adjusting the speed setting: →P.193

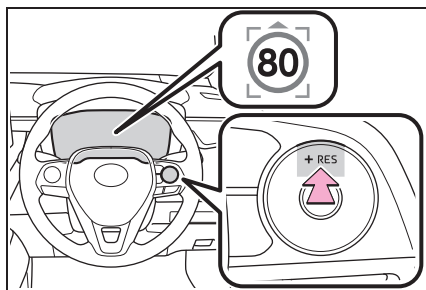
Canceling and resuming the speed setting: →P.195



Dynamic Radar Cruise Control with Road Sign Assist

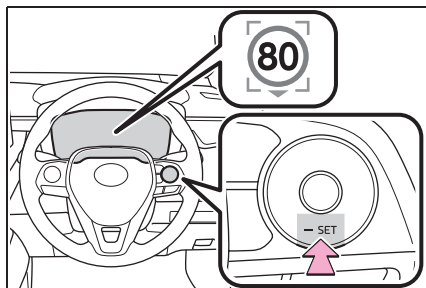
When this function is enabled and the system is operating in vehicle-to-vehicle distance control mode (→P.192), when a speed limit sign is detected, the recognized speed limit will be displayed with an up/down arrow. The set speed can be increased/reduced to the recognized speed limit by pressing and 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

Dynamic Radar Cruise Control with Road Sign Assist can be enabled/disabled in  on the multi-information display. (→P.68)

■ 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 follow-

ing 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.
- Pre-collision braking is activated.
- The parking brake is operated.
- The vehicle is stopped by system control on a steep incline.
- The following are detected when the vehicle has been stopped by system control:
 - The driver is not wearing a seat belt.
 - The driver's door is opened.
 - The vehicle has been stopped for about 3 minutes

If vehicle-to-vehicle distance control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

■ Automatic cancelation of constant speed control mode

Constant speed control mode is automatically canceled in the following situations:

- Actual vehicle speed is more than approximately 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.
- Pre-collision braking is activated.

If constant speed control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

■ The Dynamic Radar Cruise Control with Road Sign Assist may not operate properly when

As the Dynamic Radar Cruise Control with Road Sign Assist may not operate properly in conditions in which RSA may not operate or detect correctly (→P.188), 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. (→P.160, 302)

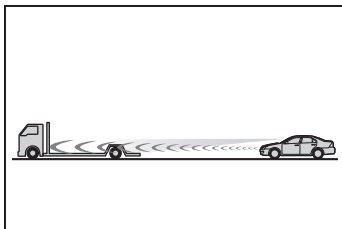
■ When the sensor may not be correctly detecting the vehicle ahead

In the case of the following and depending on the conditions, operate the brake pedal when deceleration of the system is insufficient or operate the accelerator pedal when acceleration is required.

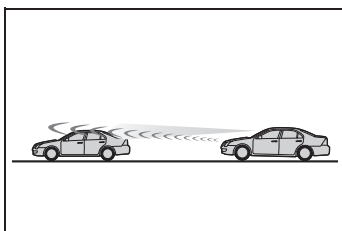
As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P.195) may not be activated.

- Vehicles that cut in suddenly

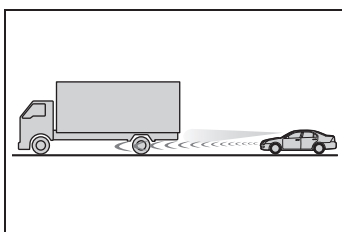
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board, etc.)



- 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



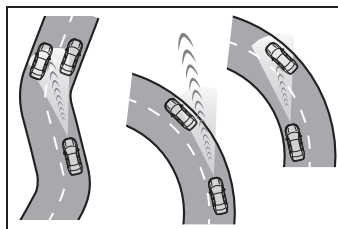
■ Conditions under which the vehicle-to-vehicle distance control mode may not function correctly

In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

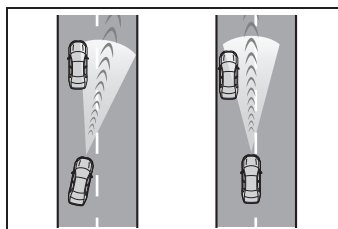
As the sensor may not be able to cor-

rectly detect vehicles ahead, the system may not operate properly.

- When the road curves or when the lanes are narrow



- When steering wheel operation or your position in the lane is unstable



- When the vehicle ahead of you decelerates suddenly
- When driving on a road surrounded by a structure, such as in a tunnel or on a bridge
- While the vehicle speed is decreasing to the set speed after the vehicle accelerates by depressing the accelerator pedal

Dynamic radar cruise control*

*: If equipped

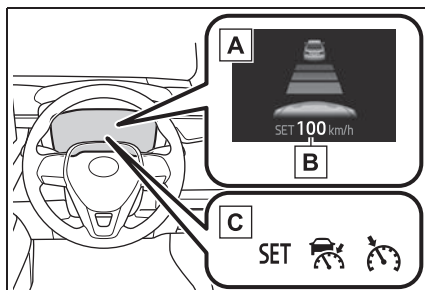
In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates and decelerates to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.

Use the dynamic radar cruise control on freeways and highways.

- Vehicle-to-vehicle distance control mode (→P.202)
- Constant speed control mode (→P.206)

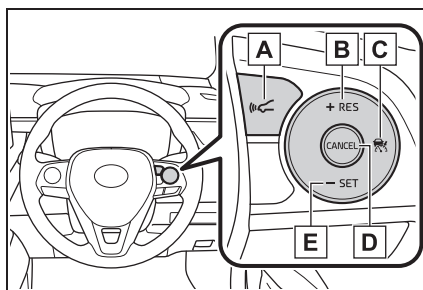
System Components

■ Meter display



- A** Multi-information display
- B** Set speed
- C** Indicators

■ Operation switches



- A** Vehicle-to-vehicle distance switch
- B** “+RES” switch
- C** Cruise control main switch
- D** Cancel switch
- E** “-SET” switch

⚠ WARNING

■ Before using dynamic radar cruise control

- 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 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.209
- Conditions under which the vehicle-to-vehicle distance control mode may not function correctly: →P.209

**WARNING**

- 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 setting to off, using the cruise control main switch when not in use.

■ Cautions regarding the driving assist systems

Observe the following precautions, as there are limitations to the assistance provided by the system. Failure to do so may cause an accident resulting in death or serious injury.

- Assisting the driver to measure following distance

The dynamic radar cruise control 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 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 does not include functions which will prevent or avoid collisions with vehicles ahead of your vehicle. Therefore, if there is ever any possibility of danger, the driver must take immediate and direct control of the vehicle and act appropriately in order to ensure the safety of all involved.

■ Situations unsuitable for dynamic radar cruise control

Do not use dynamic radar cruise control 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 downhill, 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.

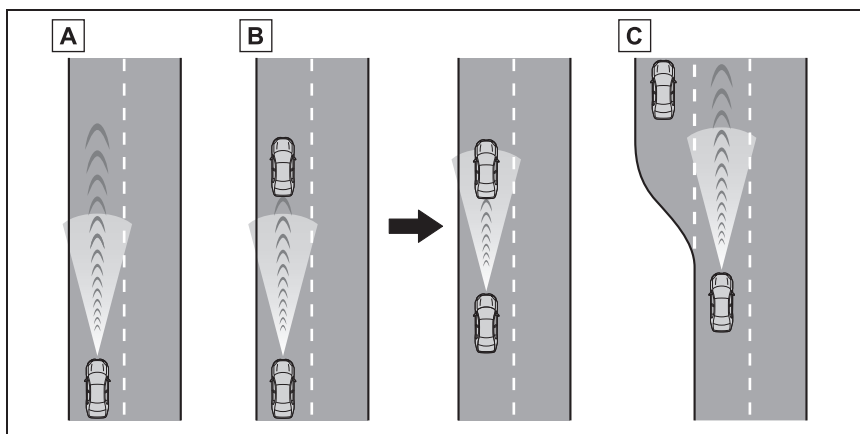
**WARNING**

- At entrances to freeways and highways
- When weather conditions are bad enough that they may prevent the sensors from detecting correctly (fog, snow, sandstorm, heavy rain, etc.)
- When there is rain, snow, etc. on the front surface of the radar or front camera
- In traffic conditions that require frequent repeated acceleration and deceleration
- When your vehicle is towing a trailer or during emergency towing
- When an approach warning buzzer is heard often

Driving in vehicle-to-vehicle distance control mode

This mode employs a radar to detect the presence of vehicles up to approximately 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.



A Example of constant speed cruising

When there are no vehicles ahead

The vehicle travels at the speed set by the driver.

B Example of deceleration cruising and follow-up cruising

When a preceding vehicle driving slower than the set speed appears

When a vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system applies the brakes (the stop lights will come on at this time). The system will respond to changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver. Approach warning warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.

When the turn signal lever is operated and your vehicle moves to an overtaking lane while driving at 80 km/h (50 mph) or more, the vehicle will accelerate to help to overtake a passing vehicle.

The system's identification of what is an overtaking lane may be determined solely based on the location of the steering wheel in the vehicle (left side driver position versus right side driver position.) If the vehicle is driven to a region where the overtaking lane is on a different side from where the vehicle is normally driven, the vehicle may accelerate when the turn signal lever is operated in the opposite direction to the overtaking lane (e.g., if the driver normally operates the vehicle in a region where the overtaking lane is to the right but then drives to a region where the overtaking lane is to the left, the vehicle may accelerate when the right turn signal is activated).

C Example of acceleration

When there are no longer any preceding vehicles driving slower than the set speed

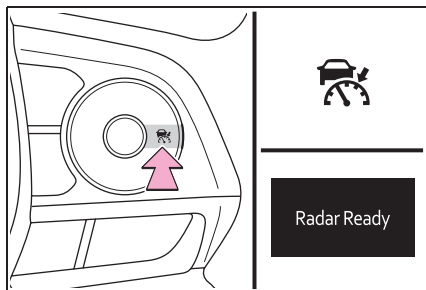
The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

Setting the vehicle speed (vehicle-to-vehicle distance control mode)

- 1 Press the cruise control main switch to activate the cruise control.

Dynamic radar cruise control indicator will come on and a message will be displayed on the multi-information display. Press the switch again to deactivate the cruise control.

If the cruise control main switch is pressed and held for 1.5 seconds or more, the system turns on in constant speed control mode. (→P.206)

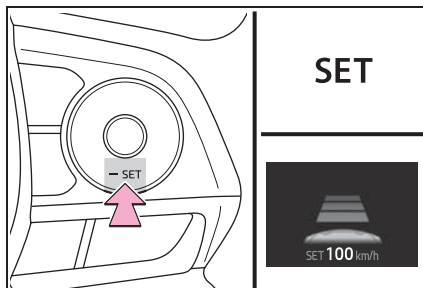


- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the “-SET” switch to set the speed.

Cruise control “SET” indicator will come on.

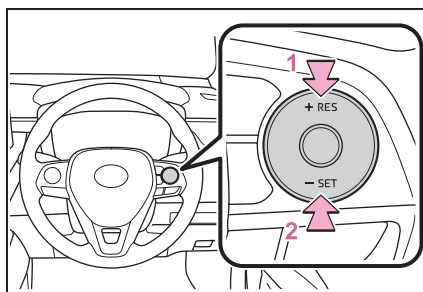
The vehicle speed at the moment the switch is released becomes the set

speed.



Adjusting the set speed

To change the set speed, press the “+RES” or “-SET” switch until the desired set speed is displayed.



- 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.

In the vehicle-to-vehicle distance control mode, the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph)^{*1} or 1 mph (1.6 km/h)^{*2} each time the

switch is pressed

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)^{*1} or 5 mph (8 km/h)^{*2} increments for as long as the switch is held

In the constant speed control mode (→P.206), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph)^{*1} or 1 mph (1.6 km/h)^{*2} each time the switch is pressed

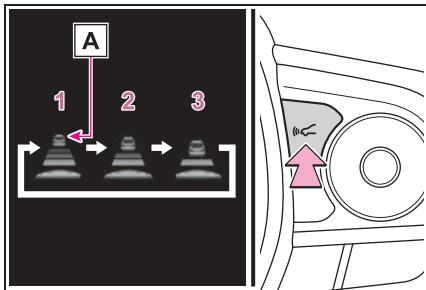
Large adjustment: The speed will continue to change while the switch is held.

^{*1}: When the set speed is shown in “km/h”

^{*2}: When the set speed is shown in “MPH”

Changing the vehicle-to-vehicle distance (vehicle-to-vehicle distance control mode)

Pressing the switch changes the vehicle-to-vehicle distance as follows:



- 1 Long
- 2 Medium
- 3 Short

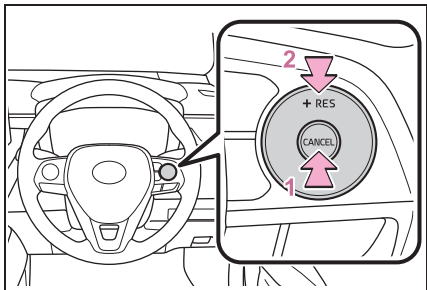
The vehicle-to-vehicle distance is set automatically to long mode when the engine switch is turned to ON. If a vehicle is running ahead of you, the preceding vehicle mark **A** will also be displayed.

Vehicle-to-vehicle distance settings (vehicle-to-vehicle distance control mode)

Select a distance from the table below. Note that the distances shown correspond to a vehicle speed of 80 km/h (50 mph). Vehicle-to-vehicle distance increases/decreases in accordance with vehicle speed.

Distance options	Vehicle-to-vehicle distance
Long	Approximately 50 m (160 ft.)
Medium	Approximately 40 m (130 ft.)
Short	Approximately 30 m (100 ft.)

Canceling and resuming the speed control



- 1 Pressing the cancel switch cancels the speed control.

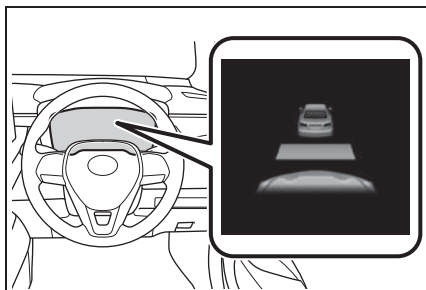
The speed control is also canceled when the brake pedal is depressed.

- 2 Pressing the “+RES” switch resumes the cruise control and returns vehicle speed to the set speed.

However, cruise control does not resume when the vehicle speed is approximately 25 km/h (16 mph) or less.

Approach warning (vehicle-to-vehicle distance control mode)

When your vehicle is too close to a vehicle ahead, and sufficient automatic deceleration via the cruise control is not possible, the display will flash and the buzzer will sound to alert the driver. An example of this would be if another driver cuts in front of you while you are following a vehicle. Depress the brake pedal to ensure an appropriate vehicle-to-vehicle distance.



■ Warnings may not occur when

In the following instances, warnings may not occur even when the vehi-

cle-to-vehicle distance is small.

- When the speed of the preceding vehicle matches or exceeds your vehicle speed
- When the preceding vehicle is traveling at an extremely slow speed
- Immediately after the cruise control speed was set
- When depressing the accelerator pedal

Selecting constant speed control mode

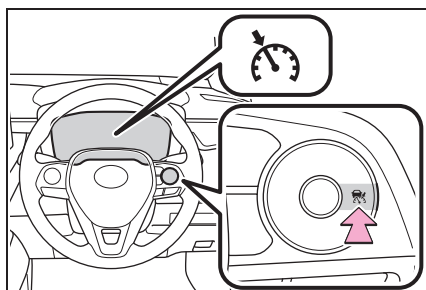
When constant speed control mode is selected, your vehicle will maintain a set speed without controlling the vehicle-to-vehicle distance. Select this mode only when vehicle-to-vehicle distance control mode does not function correctly due to a dirty radar, etc.

- 1 With the cruise control off, press and hold the cruise control main switch for 1.5 seconds or more.

Immediately after the switch is pressed, the dynamic radar cruise control indicator will come on. Afterwards, it switches to the cruise control indicator.

Switching to constant speed control mode is only possible when operating

the switch with the cruise control off.



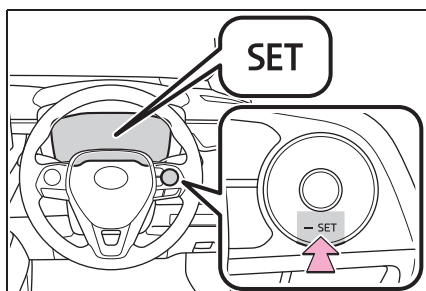
- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the “-SET” switch to set the speed.

Cruise control “SET” indicator will come on.

The vehicle speed at the moment the switch is released becomes the set speed.

Adjusting the speed setting: →P.204

Canceling and resuming the speed setting: →P.205

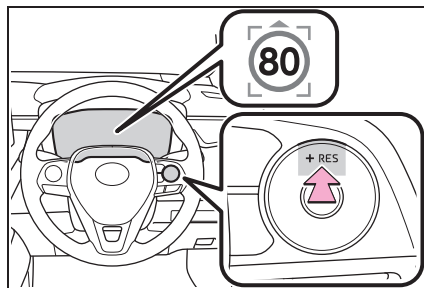


Dynamic Radar Cruise Control with Road Sign Assist

When this function is enabled and the system is operating in vehicle-to-vehicle distance control mode (→P.202), when a speed limit sign is detected, the recognized

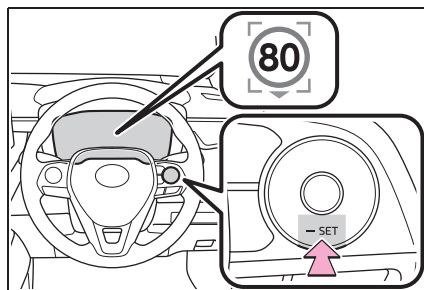
speed limit will be displayed with an up/down arrow. The set speed can be increased/reduced to the recognized speed limit by pressing and holding the “+RES”/“-SET” switch.

- 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

Dynamic Radar Cruise Control with Road Sign Assist can be enabled/disabled in  on the

multi-information display. (→P.68)

■ **Dynamic radar cruise control can be set when**

- The shift lever is in range 2nd or higher.
- Depending on the control mode, this item can be set at the following speeds.
- Vehicle-to-vehicle distance control mode: Approximately 30 km/h (20 mph) or more
- Constant speed control mode: Approximately 30 km/h (20 mph) or more

■ **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.

■ **Shift position selection**

Select a shift position according to the vehicle speed. If the engine speed is too high or too low, control may be automatically canceled.

■ **Automatic cancelation of vehicle-to-vehicle distance control mode**

Vehicle-to-vehicle distance control mode is automatically canceled in the following situations.

- Actual vehicle speed falls below approximately 25 km/h (16 mph).
- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- The sensor cannot detect correctly because it is covered in some way.
- Pre-collision braking is activated.
- When the shift lever is in N or the

clutch pedal is depressed for a certain amount of time or more.

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.
- Pre-collision braking is activated.
- When the shift lever is in N or the clutch pedal is depressed for a certain amount of time or more.

If constant speed control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

■ **The Dynamic Radar Cruise Control with Road Sign Assist may not operate properly when**

As the Dynamic Radar Cruise Control with Road Sign Assist may not operate properly in conditions in which RSA may not operate or detect correctly (→P.188), 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

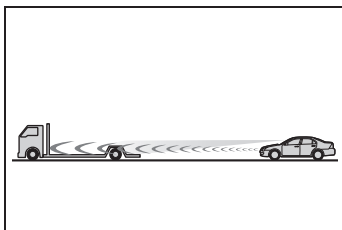
Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution while driving. If a warning message is shown on the multi-information display, read the message and follow the instructions. (→P.160, 302)

■ When the sensor may not be correctly detecting the vehicle ahead

In the case of the following and depending on the conditions, operate the brake pedal when deceleration of the system is insufficient or operate the accelerator pedal when acceleration is required.

As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P.206) may not be activated.

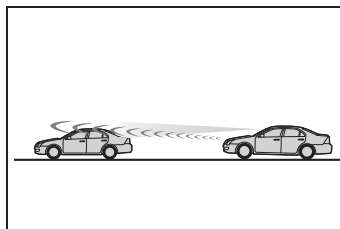
- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board, etc.)



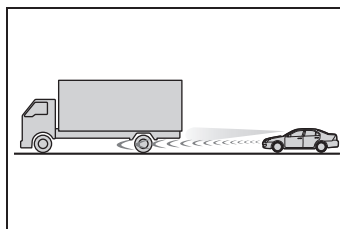
- Motorcycles traveling in the same lane
- When water or snow thrown up by the surrounding vehicles hinders the

detecting of the sensor

- When your vehicle is pointing upwards (caused by a heavy load in the luggage compartment, etc.)



- Preceding vehicle has an extremely high ground clearance

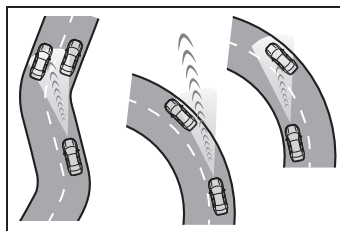


■ Conditions under which the vehicle-to-vehicle distance control mode may not function correctly

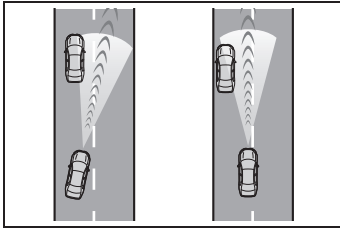
In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

As the sensor may not be able to correctly detect vehicles ahead, the system may not operate properly.

- When the road curves or when the lanes are narrow



- When steering wheel operation or your position in the lane is unstable



- When the vehicle ahead of you decelerates suddenly
- When driving on a road surrounded by a structure, such as in a tunnel or on a bridge
- While the vehicle speed is decreasing to the set speed after the vehicle accelerates by depressing the accelerator pedal

BSM (Blind Spot Monitor)*

*: If equipped

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.



WARNING

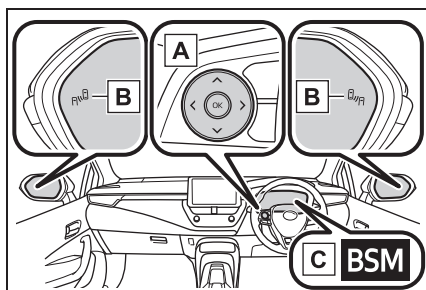
■ Cautions regarding the use of the system

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The Blind Spot Monitor is a supplementary function which alerts the driver that a vehicle is in a blind spot of the outside rear view mirrors or is approaching rapidly from behind into a blind spot. Do not overly rely on the Blind Spot Monitor. As the function cannot judge if it is safe to change lanes, over reliance could lead to an accident resulting in death or serious injury.

As the system may not function correctly under certain conditions, the driver's own visual confirmation of safety is necessary.

System components



A Meter control switches

Turning the Blind Spot Monitor on/off.

B 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.

C BSM indicator

Illuminates when the Blind Spot Monitor is enabled

■ Outside rear view mirror indicator visibility

In 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. (→P.211) 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 “Blind Spot Monitor Malfunction Visit Your Dealer” is shown on the multi-information display

There may be a sensor malfunction of misaligned. Have the vehicle inspected by your Toyota dealer.

■ Customization

Some functions can be customized. (→P.332)

■ Certification



! WARNING

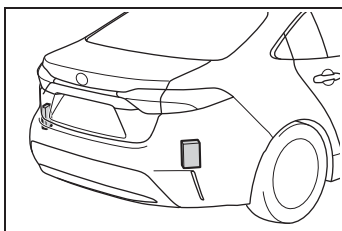
■ Handling the rear side radar sensor

Blind Spot Monitor sensors are installed behind the left and right sides of the rear bumper respectively. Observe the following to ensure the Blind Spot Monitor can operate correctly.

**WARNING**

- Keep the sensors and the surrounding areas on the rear bumper clean at all times.

If a sensor or its surrounding area on the rear bumper is dirty or covered with snow, the Blind Spot Monitor may not operate and a warning message (→P.211) will be displayed. In this situation, clear off the dirt or snow and drive the vehicle with the operation conditions of the BSM function (→P.214) satisfied for approximately 10 minutes. If the warning message does not disappear, have the vehicle inspected by your Toyota dealer.





- Do not attach accessories, stickers (including transparent stickers), aluminum tape, etc. to a sensor or its surrounding area on the rear bumper.
- 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 modify the sensor or surrounding area on the rear bumper.
- If a sensor or the rear bumper needs to be removed/installed or replaced, contact your Toyota dealer.
- Do not paint the rear bumper any color other than an official Toyota color.

Turning the Blind Spot Monitor on/off

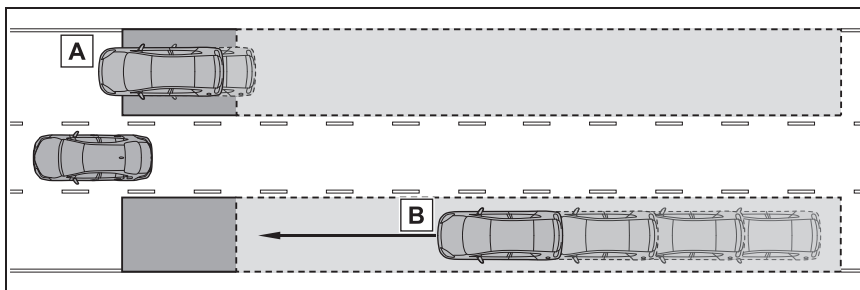
Use the meter control switches to turn on/off the function.

- 1 Press **<** or **>** to select .
- 2 Press **^** or **v** to select  and then press **OK**.

Blind Spot Monitor operation

■ Vehicles that can be detected by the Blind Spot Monitor

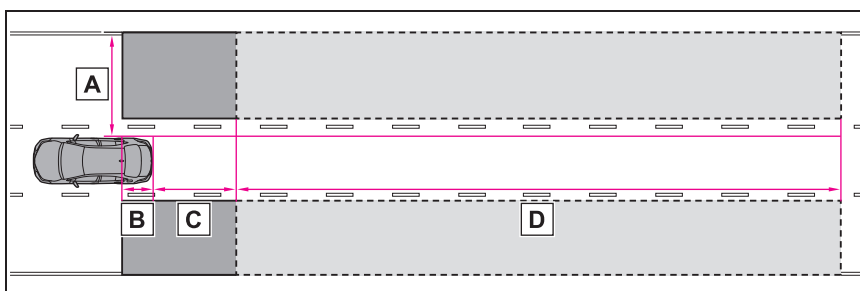
The Blind Spot Monitor uses rear side radar sensors to detect the following vehicles traveling in adjacent lanes and advises the driver of the presence of such vehicles via the indicators on the outside rear view mirrors.



- A** Vehicles that are traveling in areas that are not visible using the outside rear view mirrors (the blind spots)
- B** Vehicles that are approaching rapidly from behind in areas that are not visible using the outside rear view mirrors (the blind spots)

■ The Blind Spot Monitor detection areas

The areas that vehicles can be detected in are outlined below.



The range of each detection area is:

- A** Approximately 0.5 m (1.6 ft.) to 3.5 m (11.5 ft.) from either side of the vehicle^{*1}
- B** Approximately 1 m (3.3 ft.) forward of the rear bumper
- C** Approximately 3 m (9.8 ft.) from the rear bumper
- D** Approximately 3 m (9.8 ft.) to 60 m (197 ft.) from the rear bumper^{*2}

^{*1}: 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}: The greater the difference in speed between your vehicle and the detected vehicle is, the farther away the vehicle will be detected, causing the outside rear view mirror indicator to illuminate or flash.

■ The Blind Spot Monitor is operational when

The Blind Spot Monitor is operational when all of the following conditions are met:

- The Blind Spot Monitor is on.
- The shift lever is in a position other than R.
- The vehicle speed is greater than approximately 16 km/h (10 mph).

■ The Blind Spot Monitor will detect a vehicle when

The Blind Spot Monitor will detect a vehicle present in the detection area in the following situations:

- A vehicle in an adjacent lane overtakes your vehicle.
- You overtake a vehicle in adjacent lane slowly.
- Another vehicle enters the detection area when it changes lanes.

■ Conditions under which the Blind Spot Monitor will not detect a vehicle

The Blind Spot Monitor is not designed to detect the following types of vehicles and/or objects:

- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles traveling in the opposite direction
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Following vehicles that are in the same lane*
- Vehicles traveling 2 lanes away from your vehicle*
- Vehicles which are being overtaken

rapidly by your vehicle*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

■ Conditions under which the Blind Spot Monitor may not function correctly

- The Blind Spot Monitor may not detect vehicles correctly in the following situations:
 - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
 - When mud, snow, ice, a sticker, etc. is covering the sensor or surrounding area on the rear bumper
 - When driving on a road surface that is wet with standing water during bad weather, such as heavy rain, snow, or fog
 - When multiple vehicles are approaching with only a small gap between each vehicle
 - When the distance between your vehicle and a following vehicle is short
 - When there is a significant difference in speed between your vehicle and the vehicle that enters the detection area
 - When the difference in speed between your vehicle and another vehicle is changing
 - When a vehicle enters a detection area traveling at about the same speed as your vehicle
 - As your vehicle starts from a stop, a vehicle remains in the detection area
 - When driving up and down consecutive steep inclines, such as hills, dips in the road, etc.
 - When driving on roads with sharp bends, consecutive curves, or uneven surfaces
 - When vehicle lanes are wide, or when driving on the edge of a lane, and the

vehicle in an adjacent lane is far away from your vehicle

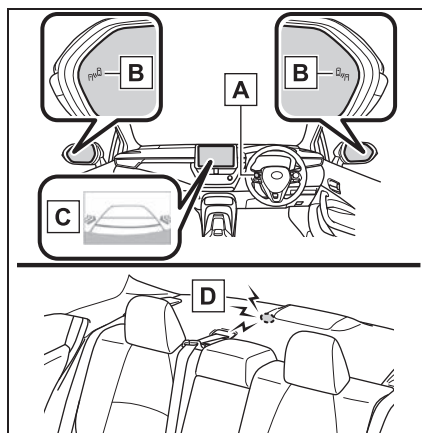
- When an accessory (such as a bicycle carrier) is installed to the rear of the vehicle
- When there is a significant difference in height between your vehicle and the vehicle that enters the detection area
- Immediately after the Blind Spot Monitor is turned on
- Instances of the Blind Spot Monitor unnecessarily detecting a vehicle and/or object may increase in the following situations:
 - When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
 - When the distance between your vehicle and a guardrail, wall, etc. that enters the detection area is short
 - When driving up and down consecutive steep inclines, such as hills, dips in the road, etc.
 - When vehicle lanes are narrow, or when driving on the edge of a lane, and a vehicle traveling in a lane other than the adjacent lanes enters the detection area
 - When driving on roads with sharp bends, consecutive curves, or uneven surfaces
 - When the tires are slipping or spinning
 - When the distance between your vehicle and a following vehicle is short
 - When an accessory (such as a bicycle carrier) is installed to the rear of the vehicle

RCTA (Rear Cross Traffic Alert) function *

*: If equipped

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



A Meter control switches

Turning the RCTA function on/off.

When the RCTA function is disabled, the RCTA OFF indicator illuminates.

B Outside rear view mirror indicators

When a vehicle approaching from the right or left at the rear of the vehicle is detected, both outside rear view mirror indicators will flash.

C Audio system display

If a vehicle approaching from the right

or left at the rear of the vehicle is detected, the RCTA icon (→P.217) for the detected side will be displayed on the audio system display. This illustration shows an example of a vehicle approaching from both sides of the vehicle.

D RCTA buzzer

If a vehicle approaching from the right or left at the rear of the vehicle is detected, a buzzer will sound. The buzzer also sounds for approximately 1 second immediately after the RCTA function is turned on.

Turning the RCTA function on/off

Use the meter control switches to enable/disable the RCTA function. (→P.69)

1 Press  or  to select .

2 Press  or  to select

“RCTA” and then press OK .

When the RCTA function is disabled, the RCTA OFF indicator (→P.58) illuminates. (Each time the engine switch is turned off then changed to ON, the RCTA function will be enabled automatically.)



WARNING

■ Cautions regarding the use of the function

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The RCTA function is only a supplementary function which alerts the driver that a vehicle is approaching from the right or left at the rear of the vehicle. As the RCTA function may not function correctly under certain conditions, the driver's own visual confirmation of safety is necessary. Over reliance on this function may lead to an accident resulting death or serious injury.

■ Outside rear view mirror indicator visibility

In strong sunlight, the outside rear view mirror indicator may be difficult to see.

■ Hearing the RCTA buzzer

The RCTA buzzer may be difficult to hear over loud noises, such as if the audio system volume is high.

■ When “Rear Cross Traffic Alert Unavailable” is shown on the multi-information display

Water, snow, mud, etc., may be attached to the rear bumper around the sensors. (→P.211) Removing the water, snow, mud, etc., from the attached to the rear bumper around the sensors to normal.

Additionally, the function may not function normally when used in extremely hot or cold environments.

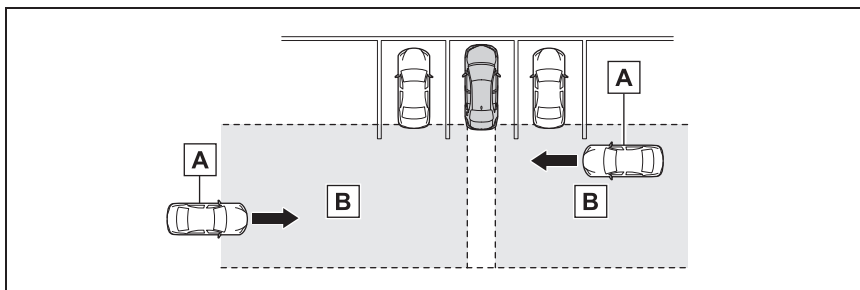
■ Rear side radar sensors

→P.211

RCTA function

■ Operation of the RCTA function

The RCTA function uses rear side radar sensors to detect vehicles approaching from the right or left at the rear of the vehicle and alerts the driver of the presence of such vehicles by flashing the outside rear view mirror indicators and sounding a buzzer.



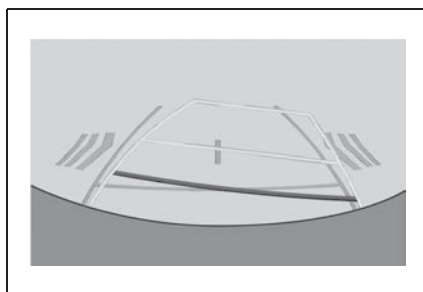
A Approaching vehicles

B Detection areas of approaching vehicles

■ RCTA icon display

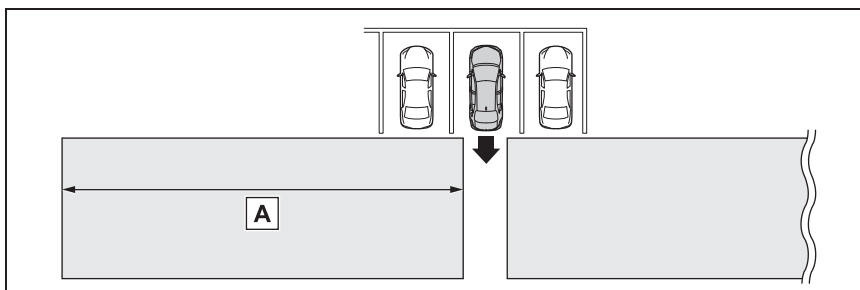
When a vehicle approaching from the right or left at the rear of the vehicle is detected, the following will be displayed on the audio system display.

- Toyota parking assist monitor:
Vehicles are approaching from both sides of the vehicle



■ RCTA function detection areas

The areas that vehicles can be detected in are outlined below.



The buzzer can alert the driver of faster vehicles approaching from farther away.

Example:

Approaching vehicle speed	A Approximate alert distance
28 km/h (18 mph) (fast)	20 m (65 ft.)
8 km/h (5 mph) (slow)	5.5 m (18 ft.)

■ The RCTA function is operational when

The RCTA function operates when all of the following conditions are met:

- The engine switch is in ON.
- The RCTA function is on.
- The shift lever is in R.
- The vehicle speed is less than approximately 8 km/h (5 mph).
- The approaching vehicle speed is between approximately 8 km/h (5 mph) and 28 km/h (18 mph).

■ Conditions under which the RCTA function will not detect a vehicle

The RCTA function is not designed to detect the following types of vehicles and/or objects:

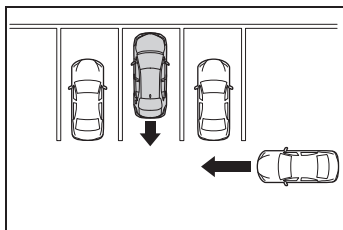
- Vehicles approaching from directly behind
- Vehicles backing up in a parking space next to your vehicle
- Vehicles that the sensors cannot detect due to obstructions

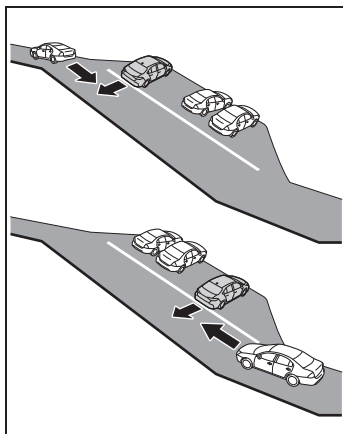
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Small motorcycles, bicycles, pedestrians, etc.*
- Vehicles moving away from your vehicle
- Vehicles approaching from the parking spaces next to your vehicle*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

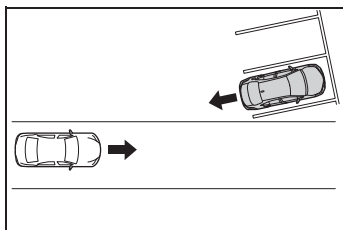
■ Conditions under which the RCTA function may not function correctly

- The RCTA function may not detect vehicles correctly in the following situations:
 - When a sensor is misaligned due to a strong impact to the sensor or its surrounding area
 - When mud, snow, ice, a sticker, etc. is covering a sensor or its surrounding area on the rear bumper
 - When driving on a road surface that is wet with standing water during bad weather, such as heavy rain, snow, or fog
 - When multiple vehicles are approaching with only a small gap between each vehicle
 - If a vehicle is approaching the rear of your vehicle rapidly
 - When a towing eyelet is installed to the rear of the vehicle.
 - When backing up on a slope with a sharp change in grade

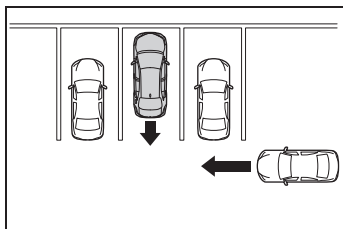




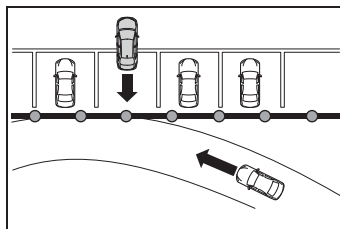
- When backing out of a shallow angle parking spot



- Immediately after the RCTA function is turned on
- Immediately after the engine is started with the RCTA function on
- When the sensors cannot detect a vehicle due to obstructions



- 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
- When a towing eyelet is installed to the rear of the vehicle

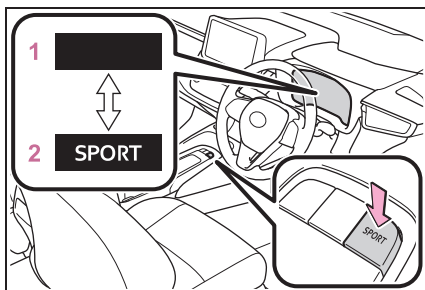
Driving mode select switch*

*: If equipped

The driving modes can be selected to suit driving condition.

will be changed to normal mode.

Selecting a drive mode



Each time the switch is pressed, the system changes between sport mode and normal mode.

1 Normal mode

Provides an optimal balance of fuel economy, quietness, and dynamic performance. Suitable for normal driving.

2 Sport mode

Controls the transmission and engine to provide quick, powerful acceleration. This mode also changes the steering feel, making it suitable for when agile driving response is desired, such as when driving on roads with many curves.

When the sport mode is selected, sport mode indicator comes on.

■ Automatic deactivation of sport mode

If the engine switch is turned off after driving in sport mode, the drive mode

Driving assist systems

To keep driving safety and performance, the following systems operate automatically in response to various driving situations. Be aware, however, that these systems are supplementary and should not be relied upon too heavily when operating the vehicle.

Summary of the driving assist systems

■ ABS (Anti-lock Brake System)

Helps to prevent wheel lock when the brakes are applied suddenly, or if the brakes are applied while driving on a slippery road surface

■ Brake assist

Generates an increased level of braking force after the brake pedal is depressed when the system detects a panic stop situation

■ VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces. Provides cooperative control of the ABS, TRC, VSC and EPS. Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

■ TRC (Traction Control)

Helps to maintain drive power and

prevent the drive wheels from spinning when starting the vehicle or accelerating on slippery roads

■ Active Cornering Assist (ACA)

Helps to prevent the vehicle from drifting to the outer side by performing inner wheel brake control when attempting to accelerate while turning

■ Hill-start assist control

Helps to reduce the backward movement of the vehicle when starting on an uphill

■ EPS (Electric Power Steering)

Employs an electric motor to reduce the amount of effort needed to turn the steering wheel.

■ Emergency brake signal

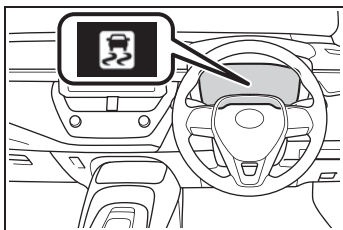
When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehicle behind.

■ The Secondary Collision Brake

When the SRS airbag sensor detects a collision and the system operates, the brakes and brake lights are automatically controlled to reduce the vehicle speed and help reduce the possibility of further damage due to a secondary collision.


■ When the TRC/VSC systems are operating


The slip indicator light will flash while the TRC/VSC systems are operating.




■ Disabling the TRC system

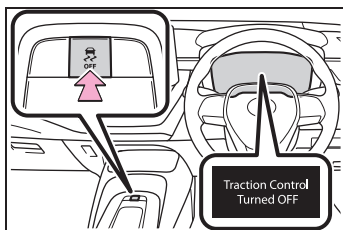
If the vehicle gets stuck in mud, dirt or snow, the TRC system may reduce power from the engine to the wheels.

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.



■ Turning off both TRC and VSC systems

To turn the TRC and VSC systems off, press and hold  for more than 3 seconds while the vehicle is stopped.

The VSC OFF indicator light will come on and the "Traction Control Turned OFF" will be shown on the multi-information display.*

Press  again to turn the system back on.

*: PCS will also be disabled (only Pre-Collision warning is available). The PCS warning light will come on and a message will be displayed on the multi-information display.
(→P.168)

■ When the message is displayed on the multi-information display showing that TRC has been disabled

even if  has not been pressed

TRC is temporary deactivated. If the information continues to show, contact your Toyota dealer.

■ Operating conditions of hill-start assist control

When the following four conditions are met, the hill-start assist control will operate:

- Vehicles with a continuously variable transmission: The shift lever is in a position other than P or N (when starting off forward/backward on an upward incline).
- Vehicles with a manual transmission: The shift lever is in a position other than R when starting off forward on an upward incline, or the shift lever is in R when starting off 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:

- Vehicles with a continuously variable transmission: The shift lever is shifted to P or N
- Vehicles with a manual transmission: The shift lever is shifted to R when starting off forward on an upward incline, or the shift lever is shifted to other than R when starting off backward

ward on an upward incline.

- The accelerator pedal is depressed
- The parking brake is engaged
- 2 seconds at maximum elapsed after the brake pedal is released

■ Sounds and vibrations caused by the ABS, brake assist, VSC, TRC and hill-start assist control systems

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the 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.

■ Active Cornering Assist operation sounds and vibrations

When the Active Cornering Assist is operated, operation sounds and vibrations may be generated from the brake system, but this is not a malfunction.

■ EPS operation sound

When the steering wheel is operated, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ Automatic reactivation of 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.

■ Operating conditions of Active Cornering Assist

The system operates when the following occurs.

- TRC/VSC can operate
- The driver is attempting to accelerate while turning
- The system detects that the vehicle is drifting to the outer side
- The brake pedal is released

■ Reduced effectiveness of the EPS system

The effectiveness of the EPS system is reduced to prevent the system from overheating when there is frequent steering input over an extended period of time. The steering wheel may feel heavy as a result. Should this occur, refrain from excessive steering input or stop the vehicle and turn the engine off. The EPS system should return to normal within 10 minutes.

■ Operating conditions of emergency brake signal

When the following conditions are met, the emergency brake signal will operate:

- The emergency flashers are off
- Actual vehicle speed is over 55 km/h (35 mph)
- The system judges from the vehicle deceleration that it is a sudden braking operation

■ Automatic system cancelation of emergency brake signal

The emergency brake signal will be canceled in any of the following situations:

- The emergency flashers are turned on
- The system judges from the vehicle deceleration that is not a sudden brak-

ing operation

■ **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 system is automatically canceled in any of 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



WARNING

■ **The ABS does not operate effectively when**

- The limits of tire gripping performance have been exceeded (such as excessively worn tires on a snow covered road).
- The vehicle hydroplanes while driving at high speed on wet or slick roads.

■ **Stopping distance when the ABS is operating may exceed that of normal conditions**

The ABS is not designed to shorten the vehicle's stopping distance. Always maintain a safe distance from the vehicle in front of you, especially in the following situations:

- When driving on dirt, gravel or snow-covered roads
- When driving with tire chains

- When driving over bumps in the road

- When driving over roads with pot-holes or uneven surfaces

■ **TRC/VSC may not operate effectively when**

Directional control and power may not be achievable while driving on slippery road surfaces, even if the TRC/VSC system is operating. Drive the vehicle carefully in conditions where stability and power may be lost.

■ **Active Cornering Assist does not operate effectively when**

- Do not overly rely on Active Cornering Assist. Active Cornering Assist may not operate effectively when accelerating down slopes or driving on slippery road surfaces.
- When Active Cornering Assist frequently operates, Active Cornering Assist may temporarily stop operating to ensure proper operation of the brakes, TRC and VSC.

■ **Hill-start assist control does not operate effectively when**

- Do not overly rely on hill-start assist control. Hill-start assist control may not operate effectively on steep inclines and roads covered with ice.
- Unlike the parking brake, hill-start assist control is not intended to hold the vehicle stationary for an extended period of time. Do not attempt to use hill-start assist control to hold the vehicle on an incline, as doing so may lead to an accident.

■ **When the TRC/VSC is activated**

The slip indicator light flashes. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator light flashes.

**WARNING****■ When the TRC/VSC systems are turned off**

Be especially careful and drive at a speed appropriate to the road conditions. As these are the systems to help ensure vehicle stability and driving force, do not turn the TRC/VSC systems off unless necessary.

■ Replacing tires

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.

The ABS, TRC and VSC systems will not function correctly if different tires are installed on the vehicle.

Contact your Toyota dealer for further information when replacing tires or wheels.

■ Handling of tires and the suspension

Using tires with any kind of problem or modifying the suspension will affect the driving assist systems, and may cause a system to malfunction.

■ Secondary Collision Brake

Do not rely solely upon the Secondary Collision Brake. This system is designed to help reduce the possibility of further damage due to a secondary collision, however, that effect changes according to various conditions. Overly relying on the system may result in death or serious injury.

Winter driving tips

Carry out the necessary preparations and inspections before driving the vehicle in winter. Always drive the vehicle in a manner appropriate to the prevailing weather conditions.

Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
- Engine oil
- Engine coolant
- 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.



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

Observe the following precautions to reduce the risk of accidents. Failure to do so may result in the vehicle being unable to be driven safely, and may cause death or serious injury.

- Do not drive in excess of the speed limit specified for the tire chains being used, or 50 km/h (30 mph), whichever is lower.

- Avoid driving on bumpy road surfaces or over potholes.

- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.

- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.

- Do not use LTA (Lane Tracing Assist) system. (if equipped)

- Do not use LDA (Lane Departure Alert with steering control) system. (if equipped)

Before driving the vehicle

Perform the following according to the driving conditions:

- Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.

- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- Check for and remove any excess ice or snow that may have accumulated on the exterior lights, vehicle's roof, chassis, around the tires or on the brakes.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

When driving the vehicle

Accelerate the vehicle slowly, keep a safe distance between you and the vehicle ahead, and drive at a reduced speed suitable to road conditions.

When parking the vehicle

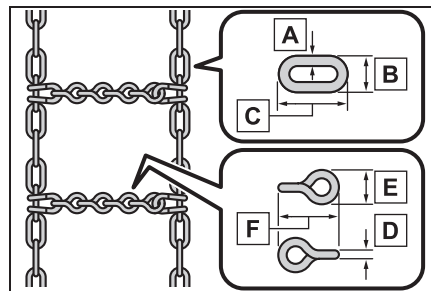
- Park the vehicle and shift the shift lever to P (continuously variable transmission), or 1 or R (manual transmission) without setting the parking brake. The parking brake may freeze up, preventing it from being released. If the vehicle is parked without setting the parking brake, make sure to block the wheels. Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an accident.
- Vehicles with a continuously vari-

able transmission: 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

Use the correct tire chain size when mounting the tire chains. Chain size is regulated for each tire size.



- A** Side chain (3 mm [0.12 in.] in diameter)
- B** Side chain (10 mm [0.39 in.] in width)
- C** Side chain (30 mm [1.18 in.] in length)
- D** Cross chain (4 mm [0.16 in.] in diameter)
- E** Cross chain (14 mm [0.55 in.] in width)

width)

- F** Cross chain (25 mm [0.98 in.] in length)

Regulations on the use of tire chains

Regulations regarding the use of tire chains vary depending on location and type of road. Always check local regulations before installing chains.

■ Tire chain installation

Observe the following precautions when installing and removing chains:

- Install and remove tire chains in a safe location.
- Install tire chains on the front tires only. Do not install tire chains on the rear tires.
- Install tire chains on the 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.

Interior features

5

5-1. Using the air conditioning system and defogger

Manual air conditioning system

.....**230**

Automatic air conditioning system

234

Seat heaters

238**5-2. Using the interior lights**

Interior lights list.....

240**5-3. Using the storage features**

List of storage features

242

Trunk features.....

245**5-4. Other interior features**

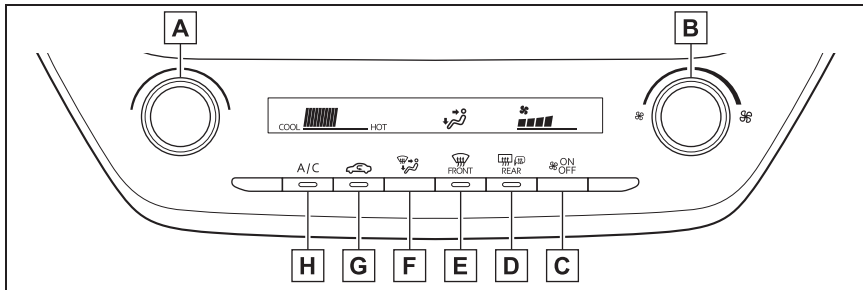
Other interior features.....

246

Manual air conditioning system*

*: If equipped

Air conditioning controls



- A** Temperature control switch
- B** Fan speed control switch
- C** On/off switch
- D** Rear window defogger and outside rear view mirror defoggers switch
- E** Windshield defogger switch
- F** Airflow mode control switch
- G** Outside/recirculated air mode switch
- H** "A/C" switch

■ Adjusting the temperature setting

To adjust the temperature setting, turn the temperature control switch clockwise (warm) or counterclockwise (cool).

If "A/C" switch is not pressed, the system will blow ambient temperature air or heated air.

■ Fan speed setting

To adjust the fan speed, turn the fan speed control switch clockwise (increase) or counterclockwise

(decrease).

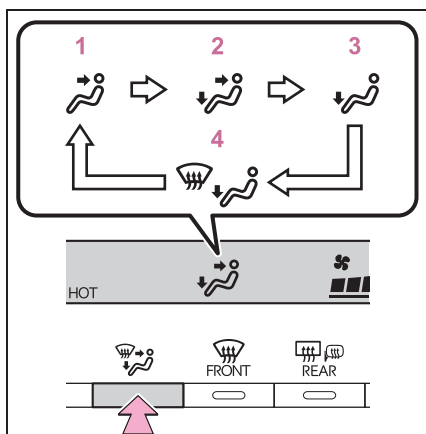
Pressing the on/off switch turns off the fan.

When the fan is off, pressing the on/off switch or turning the fan speed control switch clockwise will turn on the fan.

■ Change the airflow mode

Press the airflow mode control switch.

The airflow mode changes as follows each time the switch is pressed.



- 1 Upper body
- 2 Upper body and feet
- 3 Feet
- 4 Feet and the windshield defogger operates

■ Switching between outside air and recirculated air modes

Press the outside/recirculated air mode switch.

The mode switches between outside air mode and recirculated air mode each time the switch is operated.

When recirculated air mode is selected, the indicator illuminates on the outside/recirculated air mode switch.

■ Set cooling and dehumidification function

Press the "A/C" switch.

When the function is on, the indicator illuminates on the "A/C" switch.

■ Defogging the windshield

Defoggers are used to defog the windshield and front side windows.

Press the windshield defogger switch.

Set the outside/recirculated air mode switch to outside air mode if the recirculated air mode is used. (It may switch automatically.)

To defog the windshield and the side windows quickly, turn the air flow and temperature up.

To return to the previous mode, press the windshield defogger switch again when the windshield is defogged.

When the windshield defogger switch is on, the indicator illuminates on the windshield defogger switch.

■ Defogging the rear window and outside rear view mirrors

Defoggers are used to defog the rear window, and to remove rain-drops, dew and frost from the outside rear view mirrors.

Press the rear window and outside rear view mirror defoggers switch.

The defoggers will automatically turn off after a while.

When the rear window and outside rear view mirror defoggers switch is on, the indicator illuminates on the rear window and outside rear view mirror defoggers switch.

■ Fogging up of the windows

- The windows will easily fog up when the humidity in the vehicle is high. Turning "A/C" switch is on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn "A/C" switch is 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.

■ When the outside temperature falls to nearly 0°C (32°F)

The dehumidification function may not operate even when "A/C" switch is pressed.

■ Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.
- When parking, the system automatically switches to outside air mode to encourage better air circulation throughout the vehicle, helping to reduce odors that occur when starting the vehicle.

■ Air conditioning filter

→P.276



WARNING

■ To prevent the windshield from fogging up

Do not use the windshield defogger switch during cool air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.

■ When the outside rear view mirror defoggers are operating

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



NOTICE

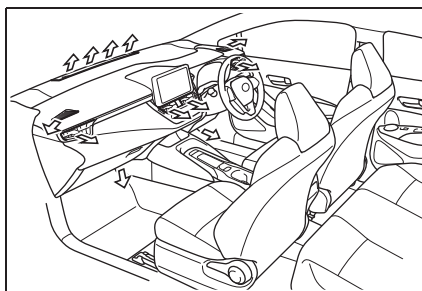
■ To prevent battery discharge

Do not leave the air conditioning system on longer than necessary when the engine is off.

Air outlet layout and operations

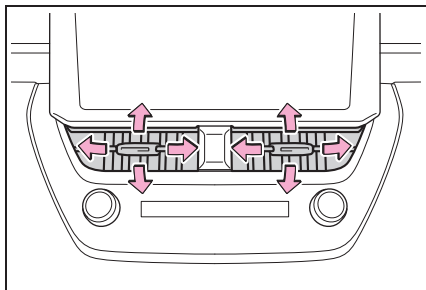
■ Location of air outlets

The air outlets and air volume changes according to the selected air flow mode.



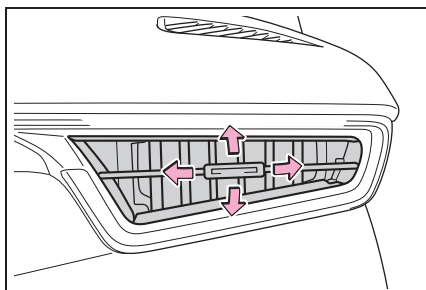
■ Adjusting the position of and opening and closing the air outlets

► Front center



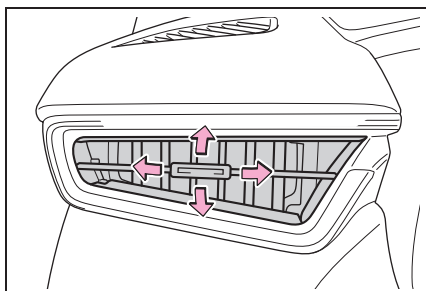
Direct air flow to the left or right, up or down

► Front right-hand side



Direct air flow to the left or right, up or down

► Front left-hand side

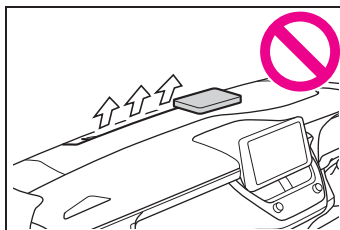


Direct air flow to the left or right, up or down

⚠ WARNING

■ To prevent the windshield defogger from operating improperly

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.

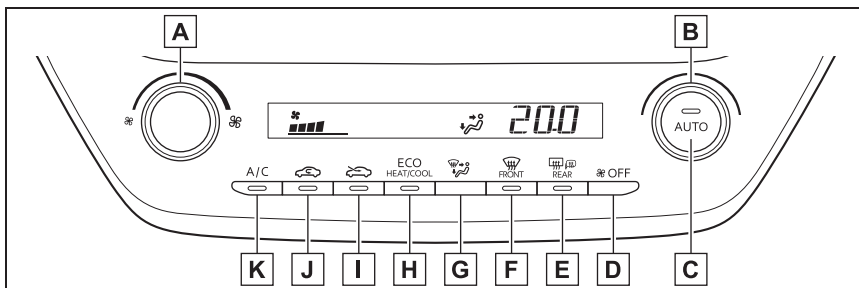


Automatic air conditioning system*

*: If equipped

Air outlets are automatically selected and fan speed is automatically adjusted according to the set temperature setting.

Air conditioning controls



- A** Fan speed control switch
- B** Temperature control switch
- C** Automatic mode switch
- D** Off switch
- E** Rear window defogger and outside rear view mirror defoggers switch
- F** Windshield defogger switch
- G** Airflow mode control switch
- H** Eco air conditioning mode switch
- I** Outside air mode switch
- J** Recirculated air mode switch
- K** "A/C" switch

■ Adjusting the temperature setting

To adjust the temperature setting, turn the temperature control switch clockwise (warm) or counterclockwise (cool).

If "A/C" switch is not pressed, the sys-

tem will blow ambient temperature air or heated air.

■ Setting the fan speed

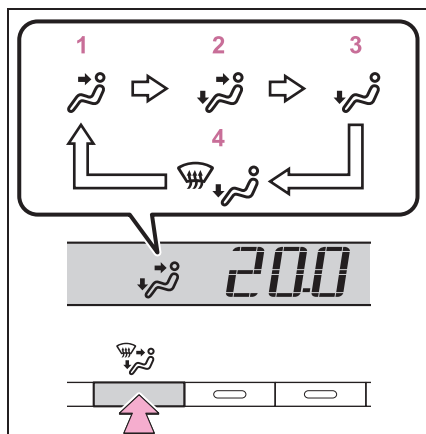
To adjust the fan speed, turn the fan speed control switch clockwise (increase) or counterclockwise (decrease).

Pressing the off switch to turns off the fan.

■ Change the airflow mode

Press the airflow mode control switch.

The airflow mode changes as follows each time the switch is pressed.



- 1 Upper body
- 2 Upper body and feet
- 3 Feet
- 4 Feet and the windshield defogger operates

■ Switching between outside air and recirculated air modes

- To change to recirculated air mode, press the recirculated air mode switch.

The indicator illuminates on the recirculated air mode switch.

- To change to outside air mode, press the outside air mode switch.

The indicator illuminates on the outside air mode switch.

■ Set cooling and dehumidification function

Press the "A/C" switch.

When the function is on, the indicator illuminates on the "A/C" switch.

■ Defogging the windshield

Defoggers are used to defog the windshield and front side windows.

Press the windshield defogger switch.

Change the air mode to outside air mode if it is currently set to recirculated air mode. (The mode may change automatically.)

To defog the windshield and the side windows quickly, turn the air flow and temperature up.

To return to the previous mode, press the windshield defogger switch again when the windshield is defogged.

When the windshield defogger switch is on, the indicator illuminates on the windshield defogger switch.

■ Defogging the rear window and outside rear view mirrors

Defoggers are used to defog the rear window, and to remove rain-drops, dew and frost from the outside rear view mirrors.

Press the rear window and outside rear view mirror defoggers switch.

The defoggers will automatically turn off after a while.

When the rear window and outside rear view mirror defoggers switch is on, the indicator illuminates on the rear window and outside rear view mirror defoggers switch.

■ Eco air conditioning mode

The air conditioning is controlled with low fuel consumption prioritized such as reducing fan speed, etc.

Press the eco air conditioning mode switch.

When the eco air conditioning mode is on, the indicator illuminates on the eco air conditioning mode switch.

■ 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 falls to nearly 0°C (32°F)

The dehumidification function may not operate even when "A/C" switch is pressed.

■ Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:
 - It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.
 - The start timing of the blower may be delayed for a short period of time immediately after the air conditioning system is started in automatic mode.
- When parking, the system automatically switches to outside air mode to encourage better air circulation throughout the vehicle, helping to reduce odors that occur when starting the vehicle.

■ Air conditioning filter

→P.276

■ Customization

Some functions can be customized. (→P.332)



WARNING

■ To prevent the windshield from fogging up

Do not use the windshield defogger switch during cool air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.

■ When the outside rear view mirror defoggers are operating

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

**NOTICE**

■ **To prevent battery discharge**

Do not leave the air conditioning system on longer than necessary when the engine is off.

Using automatic mode

- 1 Press the automatic mode switch.
- 2 Adjust the temperature setting.
- 3 To stop the operation, press the off switch.

If the fan speed setting or air flow modes are operated, the automatic mode indicator goes off. However, automatic mode for functions other than that operated is maintained.

■ Using automatic mode

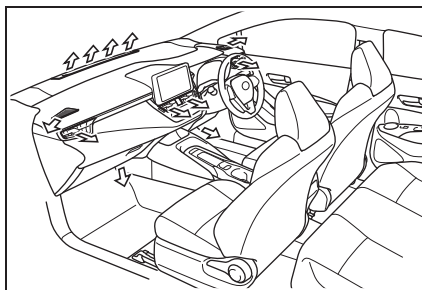
Fan speed is adjusted automatically according to the temperature setting and the ambient conditions.

Therefore, the fan may stop for a while until warm or cool air is ready to flow immediately after the automatic mode switch pressed.

Air outlet layout and operations

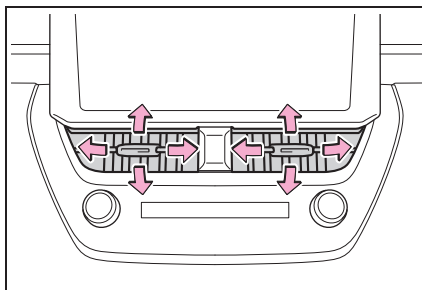
■ Location of air outlets

The air outlets and air volume changes according to the selected air flow mode.



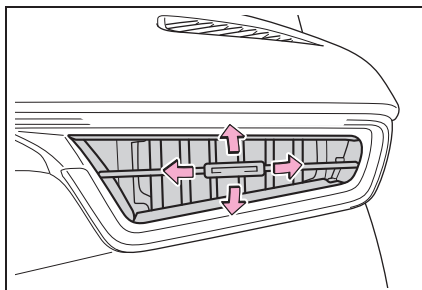
■ Adjusting the position of and opening and closing the air outlets

► Front center



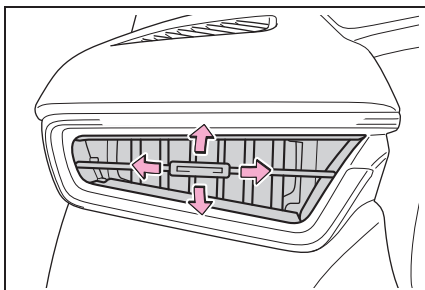
Direct air flow to the left or right, up or down

► Front right-hand side



Direct air flow to the left or right, up or down

► Front left-hand side

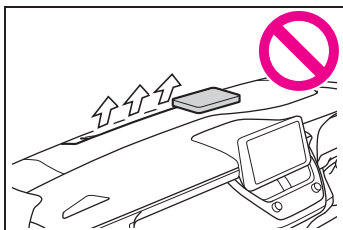


Direct air flow to the left or right, up or down

**WARNING**

■ **To prevent the windshield defogger from operating improperly**

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.

**Seat heaters***

*: If equipped

Warm up the seat upholstery**WARNING**

■ **To prevent minor burn injuries**

Care should be taken if anyone in the following categories comes in contact with the seats when the heater is on:

- Babies, small children, the elderly, the sick and the physically challenged
- Persons with sensitive skin
- Persons who are fatigued
- Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)

**NOTICE**

■ **To prevent damage to the seat heaters**

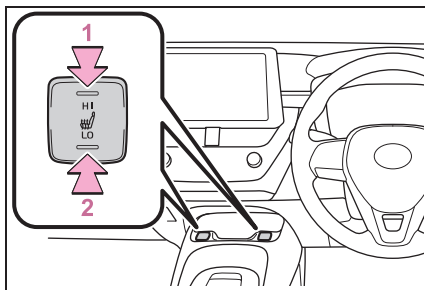
Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.

■ **To prevent battery discharge**

Do not use the functions when the engine is off.

Operation instruction

Turns seat heaters on/off



1 High temperature

2 Low temperature

When the seat heater is on, the indicator illuminates on the seat heater switch.

When not in use, put the switch in the neutral position. The indicator will turn off.

■ **The seat heaters can be used when**

The engine switch is in ON.



WARNING

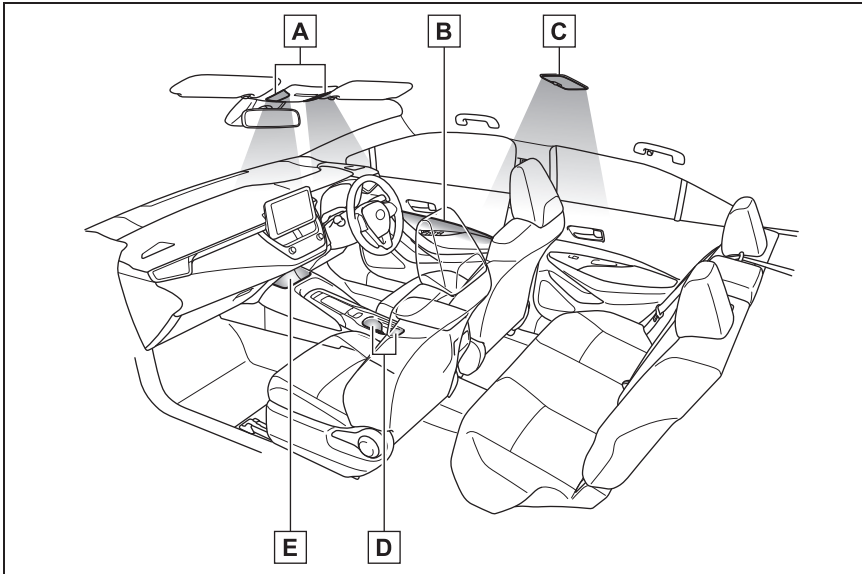
■ **To prevent overheating and minor burn injuries**

Observe the following precautions when using the seat heaters.

- Do not cover the seat with a blanket or cushion when using the seat heater.
- Do not use seat heater more than necessary.

Interior lights list

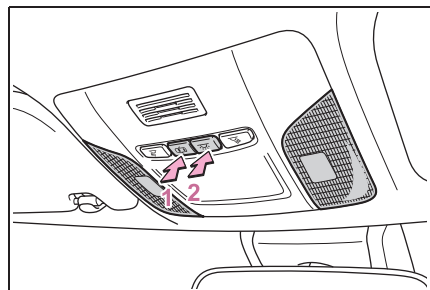
Location of the interior lights



- A** Front interior/personal lights (→P.240)
- B** Door trim lights (if equipped)
- C** Rear interior light (→P.241)
- D** Cup holder lights (if equipped)
- E** Center tray light (if equipped)

Operating the interior lights

■ Front

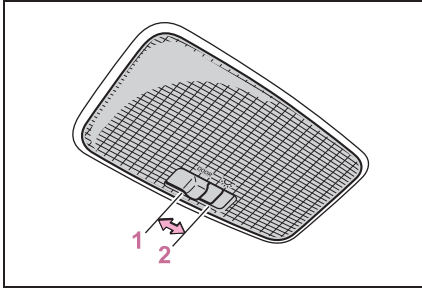


- 1** Turns the door position on/off
When a door is opened while the door

position is on, the lights turn on.

2 Turns the lights on/off

■ Rear



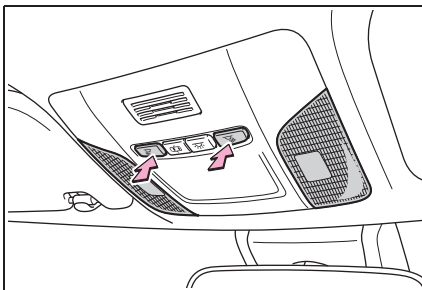
1 Turns the door position on

The rear interior light turns on/off together the front interior lights.

When a door is opened while the front and rear interior light door position is on, the lights turn on.

2 Turns the light on

Operating the personal lights



Turns the lights on/off

■ Illuminated entry system

The lights automatically turn on/off according to the engine switch mode (position), the presence of the electronic key (vehicles with a smart entry & start system), whether the doors are locked/unlocked, and whether the doors are opened/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. (→P.332)



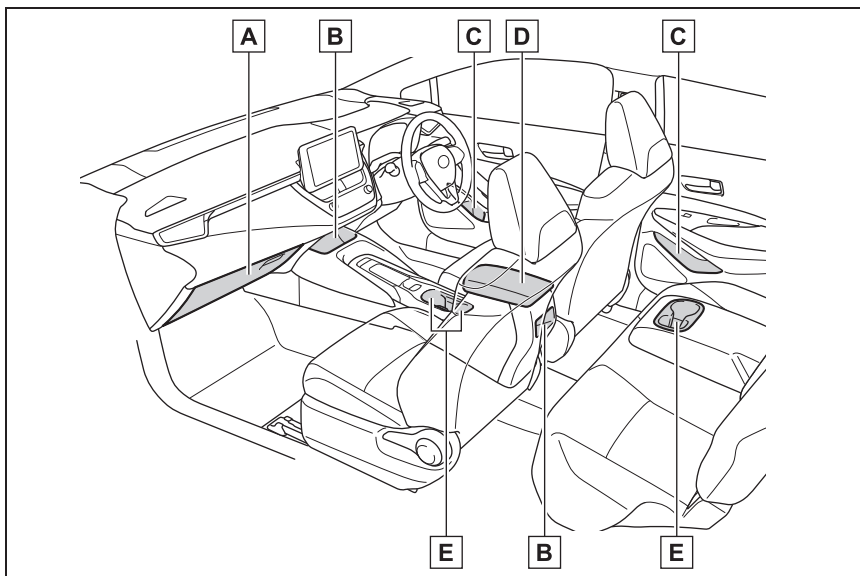
NOTICE

■ To prevent battery discharge

Do not leave the lights on longer than necessary when the engine is not running.

List of storage features

Location of the storage features



- A** Glove box (→P.243)
- B** Open trays (if equipped) (→P.244)
- C** Bottle holders/door pockets (→P.243)
- D** Console box (→P.244)
- E** Cup holders (→P.243)



WARNING

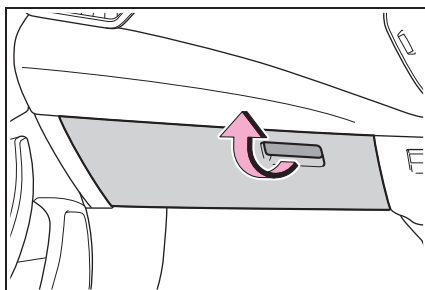
■ Items that should not be left in the storage spaces

Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:

- Glasses may be deformed by heat or cracked if they come into contact with other stored items.

- Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.

Glove box



Pull up the lever to open the glove box.

Glove box light

The glove box light turns on when the tail lights are on.

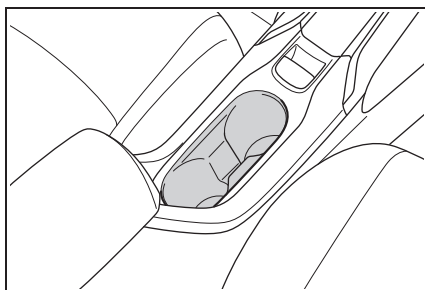
WARNING

Caution while driving

Keep the glove box closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by the open glove box or the items stored inside.

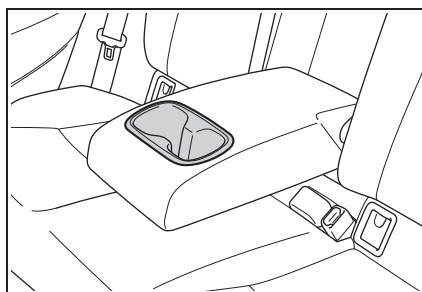
Cup holders

Front



Rear

Pull the armrest down.



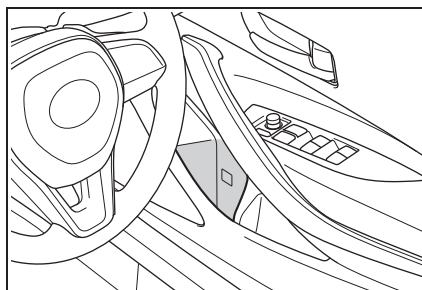
WARNING

Items unsuitable for the cup holder

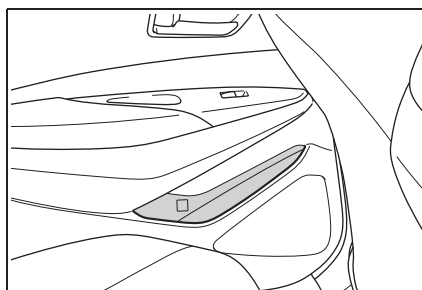
Do not place anything other than cups or beverage cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

Bottle holders

Front



Rear



■ Bottle holders

- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.

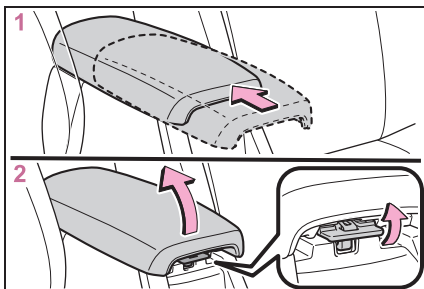


WARNING

■ Items unsuitable for the bottle holders

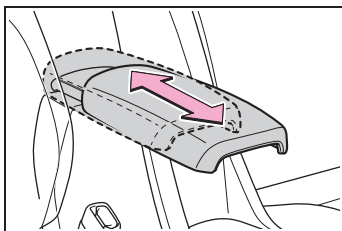
Do not place anything other than a bottle in the bottle holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury.

Console box



- 1 Slide the lid to the rear most position. (vehicles with a slide function)
- 2 Lift the lid while pulling up the knob.

■ Slide function (if equipped)



The console box lid can be slid forward or backward.



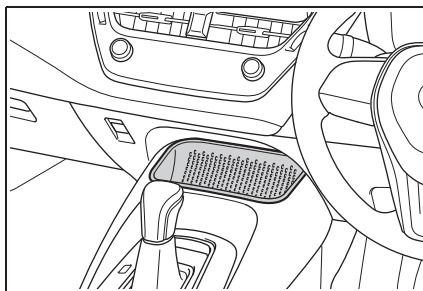
WARNING

■ Caution while driving

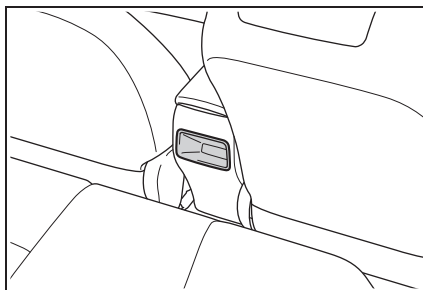
Keep the console box closed. Injuries may result in the event of an accident or sudden braking.

Open trays

► Front (if equipped)



► Rear



WARNING

■ Caution while driving

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.

**WARNING**

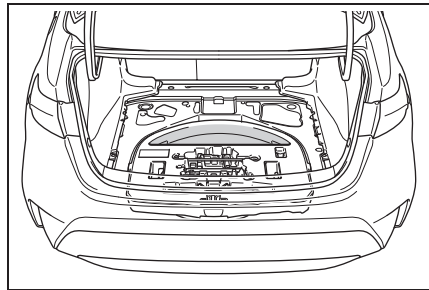
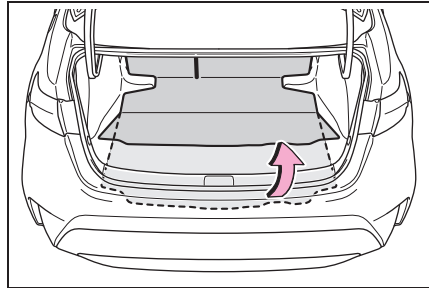
- Do not stack items in the tray higher than the tray's edge.
- Do not put items in the tray that may protrude over the tray's edge.

Trunk features*

*: If equipped

Auxiliary box

Lift the deck mat.



Other interior features

USB charging port (if equipped)

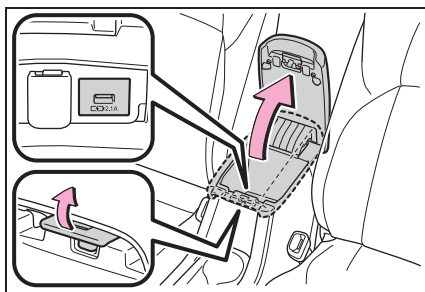
The USB charging port are used to supply 2.1 A of electricity at 5 V to external devices.

The USB charging port 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 port

Lift the lid while pulling up the knob.



■ The USB charging port can be used when

The engine switch is in ACC or ON.

■ Situations in which the USB charging port may not operate correctly

- If a device which consumes more than 2.1 A at 5 V is connected
- If a device designed to communicate with a personal computer, such as a USB memory device, is connected
- If the connected external device is turned off (depending on device)

- If the temperature inside the vehicle is high, such as after the vehicle has been parked in the sun

■ About connected external device

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 port

- Do not insert foreign objects into the port.
- Do not spill water or other liquids into the port.
- Do not apply excessive force to or impact the USB charging port.
- Do not disassemble or modify the USB charging port.

■ 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.

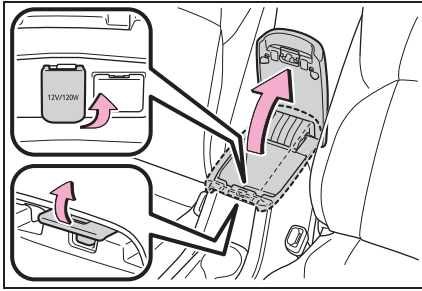
■ To prevent battery discharge

Do not use the USB charging port for a long period of time with the engine stopped.

Power outlet

The power outlet can be used for 12 V accessories that run on less than 10 A.

Lift the lid while pulling up the knob and open the power outlet lid.



■ The power outlet can be used when

The engine switch is in ACC or ON.

■ 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.



NOTICE

■ To prevent the fuse from being blown

Do not use an accessory that uses more than 12 V 10 A.

■ To avoid damaging the power outlet

Close the power outlet lid when the power outlet is not in use. Foreign objects or liquids that enter the power outlet may cause a short circuit.

■ To prevent the battery from being discharged

Do not use the power outlet longer than necessary when the engine is not running.

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.

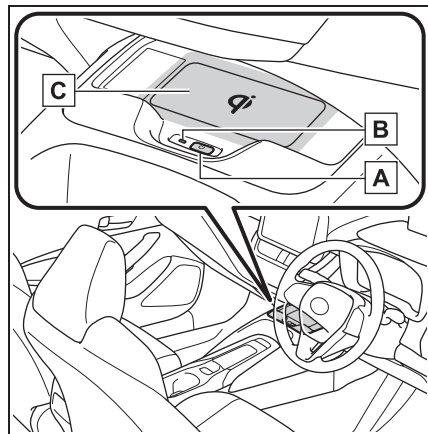
The wireless charger cannot be used with a portable device that is larger than the charging area. Additionally, depending on the portable device, the wireless charger may not operate properly. Refer to the operation manual of the portable device.

■ The “Qi” symbol

The “Qi” symbol is a trademark of the Wireless Power Consortium.



■ Name for all parts



A Power supply switch

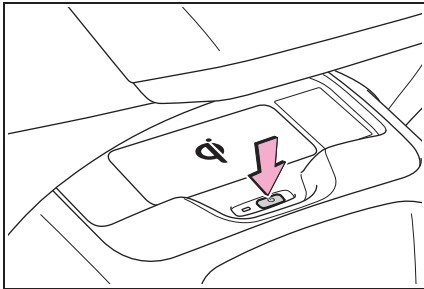
B Operation indicator light

C Charge area

■ Using the wireless charger

- 1 Press the power supply switch of the wireless charger.

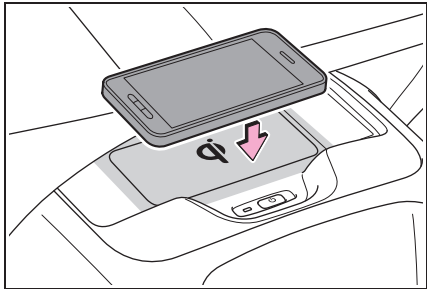
Pressing the switch again turns the wireless charger off.
When turned on, the operation indicator light (green) comes on.
When the engine switch is turned off, the on/off state of the wireless charger will be memorized.



- 2 Place a portable device on the charging area with its charging surface facing down.

While charging, the operation indicator light (orange) will be illuminated.
If charging does not begin, move the

portable device as close to the center of the charging area as possible.
When charging is complete, the operation indicator light (green) will illuminate.



■ Recharging function

- If a certain amount of time has elapsed since charging completed and the portable device has not been moved, the wireless charger will restart charging.
- If the portable device is moved within the charging area, charging will stop temporarily then restart.

■ Operation indicator light status

Operation indicator light	State
Off	The wireless charger is off
Green (illuminated)	Standby (charging is possible)
	Charging is complete*
Orange (illuminated)	A portable device has been placed on the charging area (identifying the portable device)
	Charging in progress

*: Depending on the portable device, the operation indicator light may stay illuminated (orange) after charging has completed.

- If the operation indicator light blinks

If an error is detected, the operation indicator light will blink (orange). Take the appropriate measures according to the table below.

Operation indicator light	Suspected cause	Measure
Blinks (orange) at a one second interval continuously	Vehicle to charger communication failure.	Contact your Toyota dealer.
Blinks (orange) 3 times repeatedly	A foreign object exists between the portable device and charging area.	Remove the foreign object.
	Portable device is not positioned properly on the charging area.	Move the portable device toward the center of the charging area.
Blinks (orange) 4 times repeatedly	The temperature of the wireless charger is excessively high.	Stop charging immediately and continue charging after a while.

■ The wireless charger can be operated when

The engine switch is in ACC or ON.

■ 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.257

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

When charging a portable device while driving, for safety reasons, the driver should not operate the portable device.

■ Caution regarding interference with electronic devices

People with implantable cardiac pacemakers, cardiac resynchronization therapy pacemakers or implantable cardioverter defibrillators, as well as any other electrical medical device, should consult their physician about the usage of the wireless charger. Operations of the wireless charger may have an affect on medical devices.

■ To prevent damage or burns

Observe the following precautions. Failure to do so may result in the possibility of fire, equipment failure or damage, or burns due to heat.

- Do not put any metallic objects between the charging area and the portable device while charging.
- Do not attach metallic objects, such as aluminum stickers, to the charging area.
- Do not cover the wireless charger with a cloth or other object while charging.
- Do not attempt to charge portable devices which are not compatible with the Qi wireless charging standard.
- Do not disassemble, modify or remove the wireless charger.
- Do not apply force or impact to the wireless charger.

**NOTICE****■ Conditions in which the wireless charger may not operate correctly**

In the following situations, the wireless charger may not operate correctly:

- When a portable device is fully charged
- When there is a foreign object between the charging area and portable device
- When a portable device becomes hot while charging
- When a portable device is placed on the wireless area with its charging surface facing up
- When a portable device is not centered on the charging area
- When the vehicle is near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When the portable device is in contact with, or is covered by any of the following metallic objects:
 - Cards to which aluminum foil is attached
 - Cigarette boxes that have aluminum foil inside
 - Metallic wallets or bags
 - Coins
 - Metal hand warmers
 - Media such as CDs and DVDs

**NOTICE**

- 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**

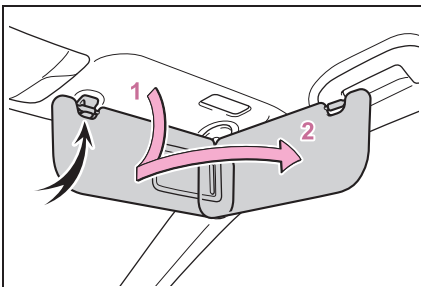
- Do not bring magnetic cards, such as a credit card, or magnetic recording media, close to the wireless charger while charging. Otherwise, data may be erased due to the influence of magnetism. Additionally, do not bring precision instruments such as wrist watches, close to the wireless charger, as such 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.

Sun visors



- 1** To set the visor in the forward

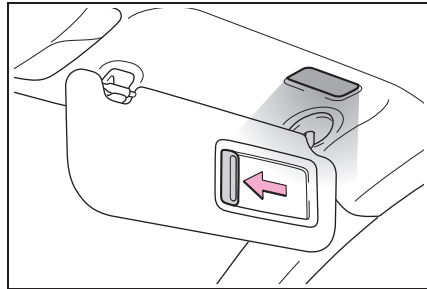
position, flip it down.

- 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 vanity light turns on.



■ **To prevent battery discharge**

If the vanity lights remain on when the engine switch is OFF, the lights will go off automatically after 20 minutes.

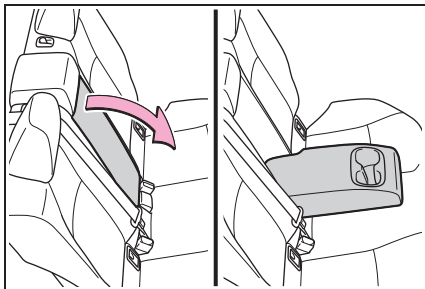
**NOTICE**

■ **To prevent the battery from being discharged**

Do not leave the vanity lights on for extended periods while the engine is stopped.

Armrest

Fold down the armrest for use.

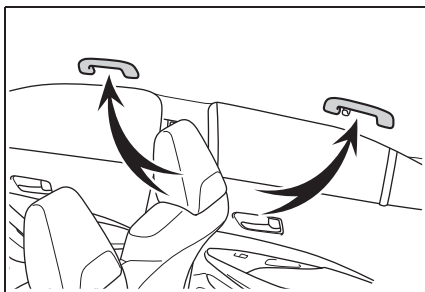
**NOTICE**

■ **To prevent damage to the armrest**

Do not apply too much load on the armrest.

Assist grips

An assist grip installed on the ceiling can be used to support your body while sitting on the seat.

**WARNING**

■ **Assist grip**

Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

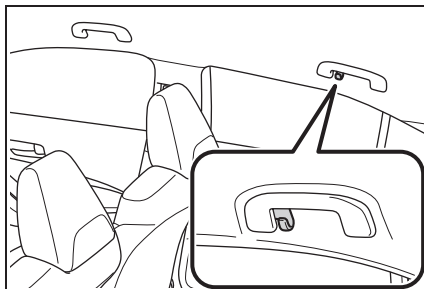
**NOTICE**

■ **To prevent damage to the assist grip**

Do not hang any heavy object or put a heavy load on the assist grip.

Coat hooks

The coat hooks are provided with the rear assist grips.

**WARNING**

■ **Items that cannot be hung on the coat hook**

Do not hang coat hangers or other hard or sharp objects on the hook. If the SRS curtain shield airbags deploy, these items may become projectiles, causing death or serious injury.

Maintenance and care

6

6-1. Maintenance and care

Cleaning and protecting the
vehicle exterior**254**

Cleaning and protecting the
vehicle interior**257**

6-2. Maintenance

Maintenance requirements
.....**260**

6-3. Do-it-yourself maintenance

Do-it-yourself service precau-
tions**262**

Hood**263**

Positioning a floor jack.....**264**

Engine compartment**266**

Tires**272**

Tire inflation pressure**274**

Wheels.....**275**

Air conditioning filter**276**

Wireless remote control/elec-
tronic key battery**278**

Checking and replacing fuses
.....**281**

Light bulbs**283**

Cleaning and protecting the vehicle exterior

Perform cleaning in a manner appropriate to each component and its material.

Cleaning instructions

- Working from top to bottom, liberally apply water to the vehicle body, wheel wells and underside of the vehicle to remove any dirt and dust.
- Wash the vehicle body using a sponge or soft cloth, such as a chamois.
- For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- Wipe away any water.
- Wax the vehicle when the water-proof 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.

■ 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.94)

■ 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.

■ Plated portions

If dirt cannot be removed, clean the parts as follows:

- Use a soft cloth dampened with an approximately 5% solution of neutral detergent and water to clean the dirt off.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture.
- To remove oily deposits, use alcohol wet wipes or a similar product.

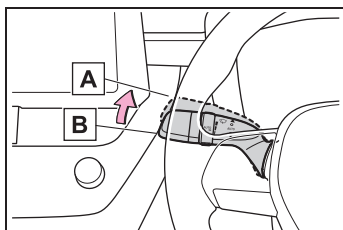
⚠ WARNING

■ When washing the vehicle

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components, etc. to catch fire.

■ When cleaning the windshield (vehicles with rain-sensing windshield wipers)

Set the wiper switch to off. If the wiper switch is in "AUTO", the wipers may operate unexpectedly in the following situations, and may result in hands being caught or other serious injuries and cause damage to the wiper blades.



A Off

B AUTO

■ Precautions regarding the exhaust pipe

Exhaust gasses cause the exhaust pipe to become quite hot. When washing the vehicle, be careful not to touch the pipe until it has cooled sufficiently, as touching a hot exhaust pipe can cause burns.

■ Precaution regarding the rear bumper with Blind Spot Monitor (if equipped)

If the paint of the rear bumper is chipped or scratched, the system may malfunction. If this occurs, consult your Toyota dealer.

⚠ NOTICE

■ To prevent paint deterioration and corrosion on the body and components (aluminum wheels, etc.)

● Wash the vehicle immediately in the following cases:

- After driving near the sea coast
- After driving on salted roads
- If coal tar or tree sap is present on the paint surface
- If dead insects, insect droppings or bird droppings are present on the paint surface
- After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
- If the vehicle becomes heavily soiled with dust or mud
- If liquids such as benzene and gasoline are spilled on the paint surface
- If the paint is chipped or scratched, have it repaired immediately.

● To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

■ 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.



NOTICE

■ To prevent damage to the windshield wiper arms

When lifting the wiper arms away from the windshield, pull the driver side wiper arm upward first, and repeat for the passenger side. When returning the wipers to their original position, do so from the passenger side first.

■ 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.

■ When using a high pressure car wash

● When washing the vehicle, do not spray the camera or its surrounding area directly with a high pressure washer. Shock applied from high pressure water may cause the device to not operate normally.

● Do not 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.

Cleaning and protecting the vehicle interior

Perform cleaning in a manner appropriate to each component and its material.

Protecting the vehicle interior

- Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with lukewarm water.
- If dirt cannot be removed, wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not use water. Wipe dirty surfaces and let them dry. Excellent results are obtained by keeping the carpet as dry as possible.

Handling the seat belts

Clean with mild soap and lukewarm water using a cloth or sponge. Also check the belts periodically for excessive wear, fraying or cuts.

WARNING

Water in the vehicle

- Do not splash or spill liquid in the vehicle.
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.29)
An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.
- Vehicles with wireless charger:
Do not let the wireless charger (→P.247) 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

**NOTICE**

- Steering wheel: Organic substances, such as thinner, and cleaner that contains alcohol
- Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

■ Preventing damage to leather surfaces

Observe the following precautions to avoid damage to and deterioration of leather surfaces:

- Remove any dust or dirt from leather surfaces immediately.
- Do not expose the vehicle to direct sunlight for extended periods of time. Park the vehicle in the shade, especially during summer.
- Do not place items made of vinyl, plastic, or containing wax on the upholstery, as they may stick to the leather surface if the vehicle interior heats up significantly.

■ Water on the floor

Do not wash the vehicle floor with water.

Vehicle systems such as the audio system may be damaged if water comes into contact with electrical components such as the audio system above or under the floor of the vehicle. Water may also cause the body to rust.

■ When cleaning the inside of the windshield

Do not allow glass cleaner to contact the lens. Also, do not touch the lens. (→P.157)

■ 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.

Cleaning the areas with satin-finish metal accents

- Remove dirt using a water-dampened soft cloth or synthetic chamois.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture.

■ Cleaning the areas with satin-finish metal accents

The metal areas use a layer of real metal for the surface. It is necessary to clean them regularly. If dirty areas are left uncleaned for long periods of time, they may be difficult to clean.

Cleaning the leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe off any excess dirt and dust with a soft cloth dampened with diluted detergent.

Use a diluted water solution of approximately 5% neutral wool detergent.

- Wring out any excess water from

the cloth and thoroughly wipe off all remaining traces of detergent.

- Wipe the surface with a dry, soft cloth to remove any remaining moisture. Allow the leather to dry in a shaded and ventilated area.

■ Caring for leather areas

Toyota recommends cleaning the interior of the vehicle at least twice a year to maintain the quality of the vehicle's interior.

Cleaning the synthetic leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
- Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance are essential. Toyota recommends the maintenance below.

■ 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.



WARNING

■ If your vehicle is not properly maintained

Improper maintenance could result in serious damage to the vehicle and possible death or serious injury.

■ Handling of the battery

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P.269)

Scheduled maintenance

Scheduled maintenance should be performed at specified intervals according to the maintenance schedule.

For full details of your maintenance schedule, refer to the "Warranty and Service Booklet".

Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many of the maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools.

Note, however, that some maintenance tasks require special tools and skills. These are best performed by qualified technicians. Even if you 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 ping
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning system after use is normal.)
- Change in exhaust sound (This may

indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)

- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driven straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal or clutch pedal (vehicles with a manual transmission), pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal (→P.60, 64)

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.

Do-it-yourself service precautions

If you perform maintenance by yourself, be sure to follow the correct procedure as given in these sections.

Maintenance

Items	Parts and tools
Battery condition (→P.269)	<ul style="list-style-type: none"> • Warm water • Baking soda • Grease • Conventional wrench (for terminal clamp bolts) • Distilled water
Engine coolant level (→P.268)	<ul style="list-style-type: none"> • “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology • “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P.266)	<ul style="list-style-type: none"> • “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)

Items	Parts and tools
Fuses (→P.281)	<ul style="list-style-type: none"> • Fuse with same amperage rating as original
Light bulbs (→P.283)	<ul style="list-style-type: none"> • Bulb with same number and wattage rating as original • Flathead screwdriver • Wrench
Radiator and condenser (→P.269)	—
Tire inflation pressure (→P.274)	<ul style="list-style-type: none"> • Tire pressure gauge • Compressed air source
Washer fluid (→P.271)	<ul style="list-style-type: none"> • Water or washer fluid containing antifreeze (for winter use) • Funnel (used only for adding water or washer fluid)



WARNING

The engine compartment contains many mechanisms and fluids that may move suddenly, become hot, or become electrically energized. To avoid death or serious injury, observe the following precautions.

■ When working on the engine compartment

- Keep hands, clothing and tools away from the moving fans 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.

**WARNING**

- 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 fans or radiator grille**

Be sure the engine switch is OFF. With the engine switch in ON, the electric cooling fans may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P.269)

■ **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**

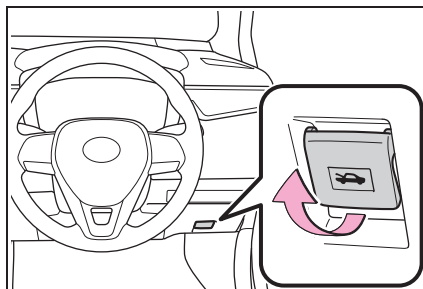
It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.

If the reservoir needs frequent refilling, it may indicate a serious problem.

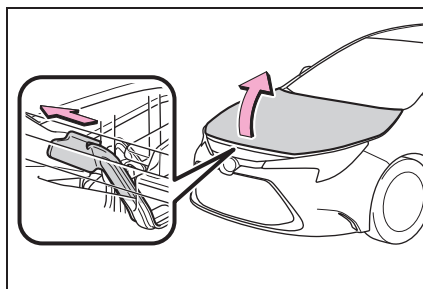
Hood**Opening the hood**

- 1 Pull the hood lock release lever.

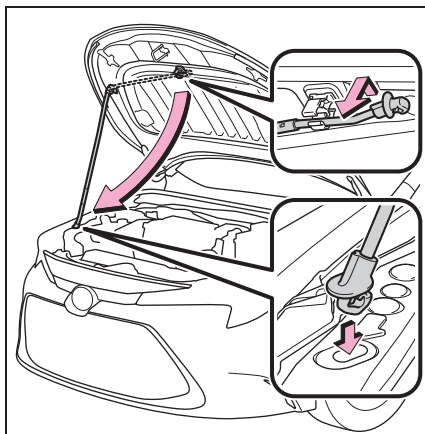
The hood will pop up slightly.



- 2 Pull the auxiliary catch lever to the left and lift the hood.



- 3 Hold the hood open by inserting the support rod into the slot.



WARNING

■ Pre-driving check

Check that the hood is fully closed and locked.

If the hood is not locked properly, it may open while the vehicle is in motion and cause an accident, which may result in death or serious injury.

■ After installing the support rod into the slot

Make sure the rod supports the hood securely preventing it from falling down onto your head or body.



NOTICE

■ When closing the hood

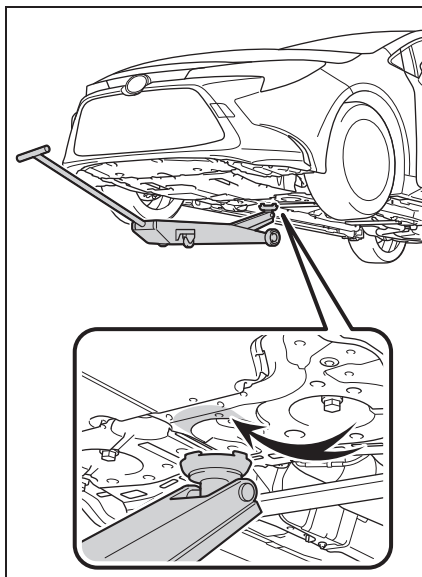
Be sure to return the support rod to its clip before closing the hood. Closing the hood with the support rod not clipped could cause the hood to bend.

Positioning a floor jack

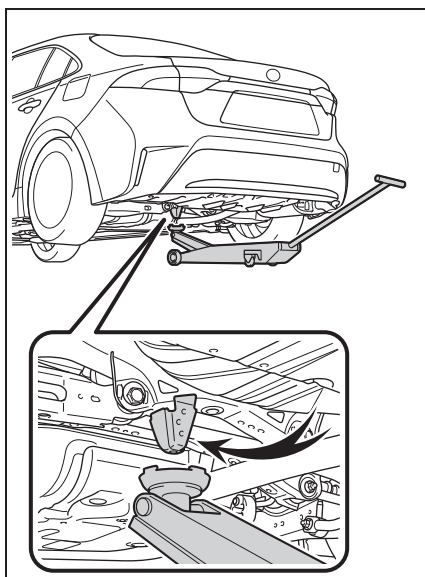
When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely. When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

Location of the jack point

■ Front

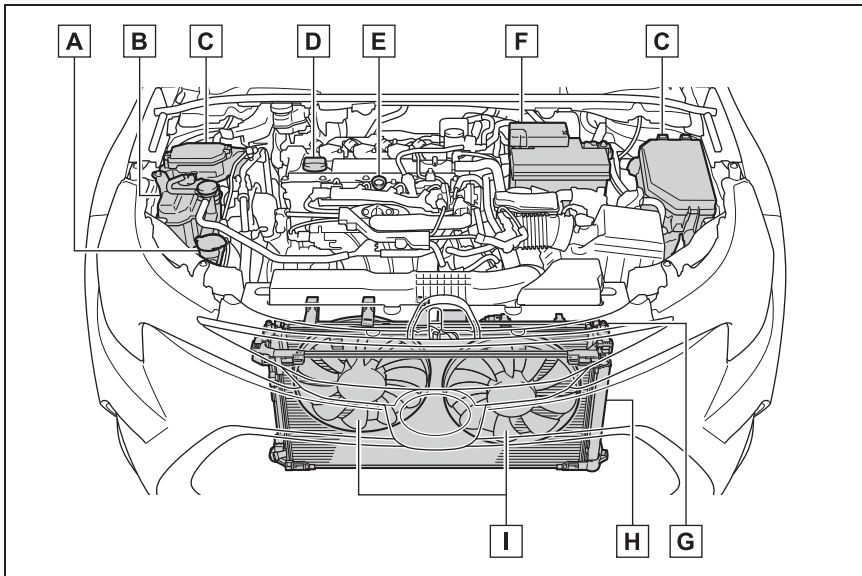


■ Rear



Engine compartment

Components



- A** Washer fluid tank (→P.271)
- B** Engine coolant reservoir (→P.268)
- C** Fuse boxes (→P.281)
- D** Engine oil filler cap (→P.267)
- E** Engine oil level dipstick (→P.266)
- F** Battery (→P.269)
- G** Radiator (→P.269)
- H** Condenser (→P.269)
- I** Electric cooling fans

Checking and adding the engine oil

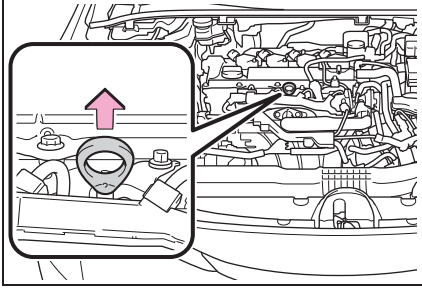
With the engine at operating temperature and turned off, check the oil level on the dipstick.

■ Checking the engine oil

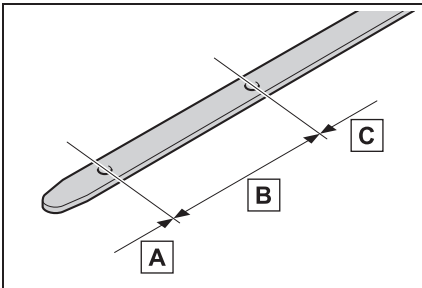
- 1** Park the vehicle on level ground. After warming up the engine and turning it off, wait more than 5 minutes for the oil

to drain back into the bottom of the engine.

- 2 Holding a rag under the end, pull the dipstick out.



- 3 Wipe the dipstick clean.
- 4 Reinsert the dipstick fully.
- 5 Holding a rag under the end, pull the dipstick out and check the oil level.



- A** Low
- B** Normal
- C** Excessive

The shape of the dipstick may differ depending on the type of vehicle or engine.

- 6 Wipe the dipstick and reinsert it fully.

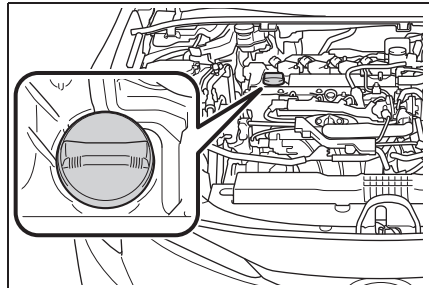
■ Checking the oil type and preparing the item needed

Make sure to check the oil type and prepare the items needed before adding oil.

- Engine oil selection
→P.325
- Oil quantity (Low → Full)
1.5 L (1.6 qt., 1.3 Imp. qt.)
- Item
Clean funnel

■ Adding engine oil

If the oil level is below or near the low level mark, add engine oil of the same type as that already in the engine.



- 1 Remove the oil filler cap by turning it counterclockwise.
- 2 Add engine oil slowly, checking the dipstick.
- 3 Install the oil filler cap by turning it clockwise.

■ Engine oil consumption

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine
- If low quality oil or oil of an inappropriate viscosity is used
- When driving at high engine speeds or with a heavy load, when towing, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic



WARNING

■ Used engine oil

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation and skin cancer, so care should be taken to avoid prolonged and repeated contact. To remove used engine oil from your skin, wash thoroughly with soap and water.
- Dispose of used oil and filters only in a safe and acceptable manner. Do not dispose of used oil and filters in household trash, in sewers or onto the ground. Call your Toyota dealer, service station or auto parts store for information concerning recycling or disposal.
- Do not leave used engine oil within the reach of children.



NOTICE

■ To prevent serious engine damage

Check the oil level on a regular basis.

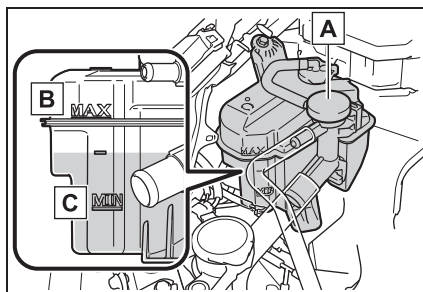
■ When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.

- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

Checking the engine coolant

The coolant level is satisfactory if it is between the “MAX” and “MIN” lines on the reservoir when the engine is cold.



A Reservoir cap

B “MAX” line

C “MIN” line

If the level is on or below the “MIN” line, add coolant up to the “MAX” line. (→P.320)

■ Coolant selection

Only use “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology. “Toyota Super Long Life Coolant” is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -35°C [-31°F])

For more details about coolant, contact your Toyota dealer.

■ **If the coolant level drops within a short time of replenishing**

Visually check the radiator, hoses, engine 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.

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.



NOTICE

■ **When adding coolant**

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

■ **If you spill coolant**

Be sure to wash it off with water to prevent it from damaging parts or paint.

Checking the radiator and condenser

Check the radiator and condenser and clear away any foreign objects. If either of the above parts is extremely dirty or you are not sure of their condition, have your vehicle inspected by your Toyota dealer.



WARNING

■ **When the engine is hot**

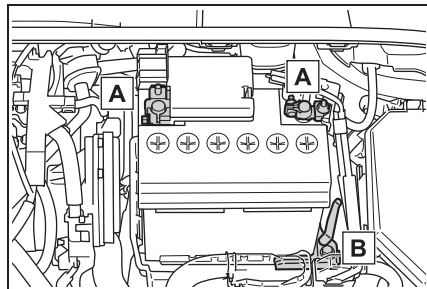
Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

Battery

Check the battery as follows.

■ **Battery exterior**

Make sure that the battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.



A Terminals

B Hold-down clamp

■ **Before recharging**

When recharging, the battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following precautions before recharging:

- If recharging with the battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure 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 ACC. 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.



WARNING

Chemicals in the battery

The battery contains poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the 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.



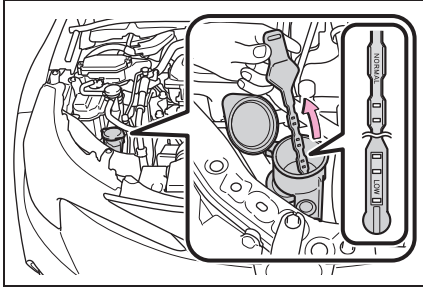
NOTICE

When recharging the battery

Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

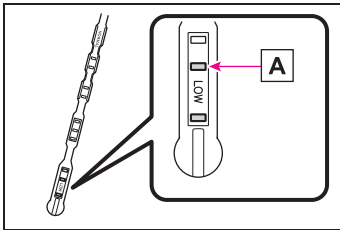
Adding the washer fluid

If the washer fluid level is at “LOW”, add washer fluid.



Using the gauge

The washer fluid level can be checked by observing the position of the level on the liquid-covered holes in the gauge. If the level falls below the second hole from the bottom (the “LOW” position), refill the washer fluid.



A Current fluid level



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.



WARNING

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.

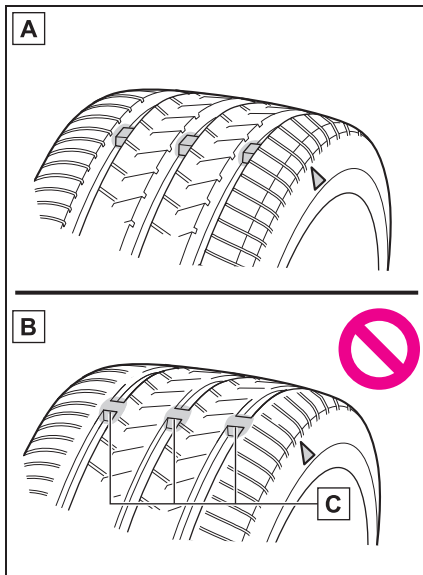
Tires

Replace or rotate tires in accordance with maintenance schedules and treadwear.

Checking tires

Check if the treadwear indicators are showing on the tires. Also check the tires for uneven wear, such as excessive wear on one side of the tread.

Check the spare tire condition and pressure if not rotated.



A New tread

B Worn tread

C Treadwear indicator

The location of treadwear indicators is shown by a “TWI” or “ \triangle ” mark, etc., molded into the sidewall of each tire.

Replace the tires if the treadwear indicators are showing on a tire.

■ When to replace your vehicle's tires

Tires should be replaced if:

- The treadwear indicators are showing on a tire
- You have tire damage such as cuts, splits, cracks deep enough to expose the fabric, and bulges indicating internal damage
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage

If you are not sure, consult with your Toyota dealer.

■ Tire life

Any tire over 6 years old must be checked by a qualified technician even if it has seldom or never been used or damage is not obvious.

■ Low profile tires (18-inch tires)

Generally, low profile tires will wear more rapidly and tire grip performance will be reduced on snowy and/or icy roads when compared to standard tires. Be sure to use snow tires or tire chains on snowy and/or icy roads and drive carefully at a speed appropriate for road and weather conditions.

■ If the tread on snow tires wears down below 4 mm (0.16 in.)

The effectiveness of the tires as snow tires is lost.

■ Checking the tire valves

When replacing the tires, check the tire valves for deformation, cracks, and other damage.

**WARNING**

■ **When inspecting or replacing tires**

Observe the following precautions to prevent accidents.

Failure to do so may cause damage to parts of the drive train as well as dangerous handling characteristics, which may lead to an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns.
Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and snow tires.
- Do not use tires that have been used on another vehicle.
Do not use tires if you do not know how they were used previously.
- Vehicles with a compact spare tire:
Do not tow if your vehicle has a compact spare tire installed.

**NOTICE**

■ **Low profile tires (18-inch tires)**

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.

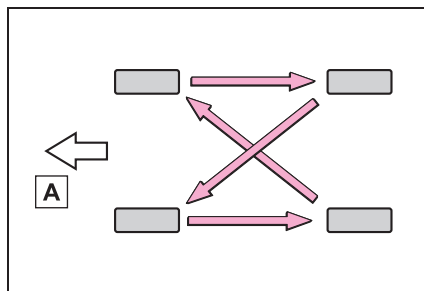
■ **Driving on rough roads**

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.

Tire rotation

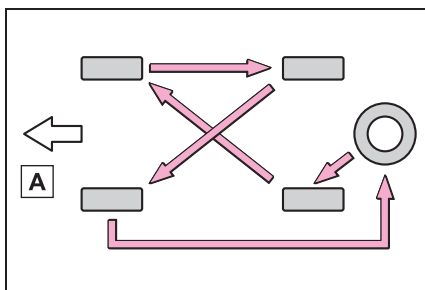
Rotate the tires in the order shown.

- Vehicles with a compact spare tire



A Front

► Vehicles with a full-size spare tire



A Front

To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 10000 km (6000 miles).

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.329)

■ Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel economy
- Reduced driving comfort and poor handling
- Reduced tire life due to wear
- Reduced safety
- Damage to the drive train

If a tire needs frequent inflating, have it checked by your Toyota dealer.

■ Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.
If your vehicle has been parked for at least 3 hours or has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.
It is difficult to judge if a tire is properly inflated based only on its appearance.
- It is normal for the tire inflation pressure to be higher after driving as heat is generated in the tire. Do not reduce tire inflation pressure after driving.
- Passengers and luggage weight should be placed so that the vehicle is balanced.

**WARNING****■ Proper inflation is critical to save tire performance**

Keep your tires properly inflated. If the tires are not properly inflated, the following conditions may occur which could lead to an accident resulting in death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges in the road, etc.)

**NOTICE****■ When inspecting and adjusting tire inflation pressure**

Be sure to put the tire valve caps back on.

If a valve cap is not installed, dirt or moisture may get into the valve and cause an air leak, resulting in decreased tire inflation pressure.

Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause a loss of handling control.

Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width and inset*.

Replacement wheels are available at your Toyota dealer.

*: Conventionally referred to as offset.

Toyota does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

**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.

**WARNING**

■ **When installing the wheel nuts**

Never use oil or grease on the wheel bolts or wheel nuts.

Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

■ **Use of defective wheels prohibited**

Do not use cracked or deformed wheels. Doing so could cause the tire to leak air during driving, possibly causing an accident.

Aluminum wheel precautions

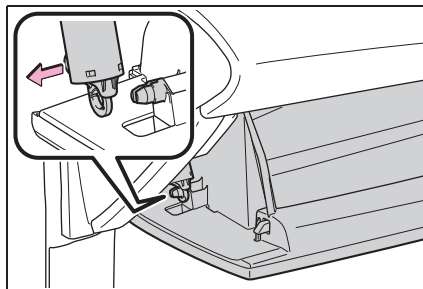
- Use only Toyota wheel nuts and wheel nut wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

Air conditioning filter

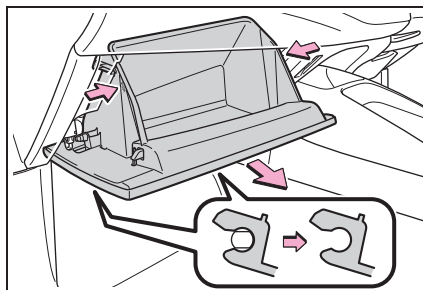
The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

Removing the air conditioning filter

- 1 Turn the engine switch off.
- 2 Open the glove box. Slide off the damper.

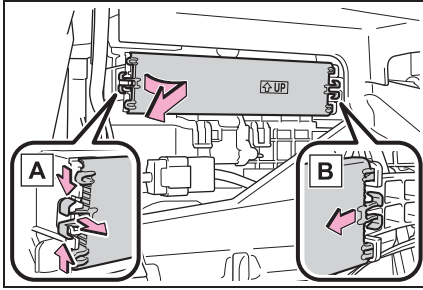


- 3 Push in the glove box on the vehicle's outer side to disconnect the claws. Then pull out the glove box and disconnect the lower claws.

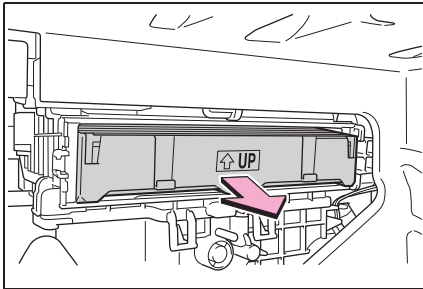


- 4 Unlock the filter cover (A), pull the filter cover out of the claws

(B), and remove the filter cover.

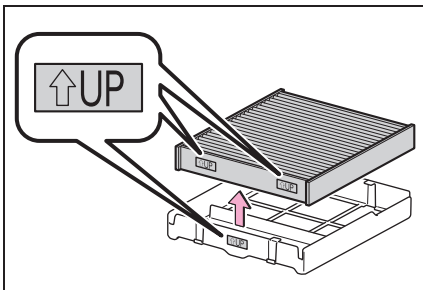


5 Remove the filter case.



6 Remove the air conditioning filter from the filter case and replace it with a new one.

The “↑ UP” marks shown on the filter and the filter case should be pointing up.



■ Checking interval

Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with

heavy traffic flow, early replacement may be required. (For scheduled maintenance information, please refer to the “Warranty and Service Booklet”.)

■ If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.



NOTICE

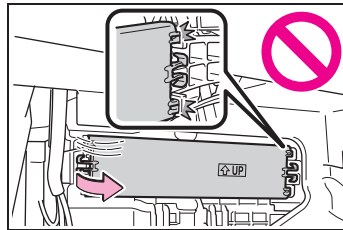
■ When using the air conditioning system

Make sure that a filter is always installed.

Using the air conditioning system without a filter may cause damage to the system.

■ 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*

*: If equipped

Replace the battery with a new one if it is depleted.

As the key may be damaged if the following procedure is not performed properly, it is recommended that key battery replacement be performed by your Toyota dealer.

■ 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.

Items to prepare

- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery CR2032

■ Use a CR2032 lithium battery

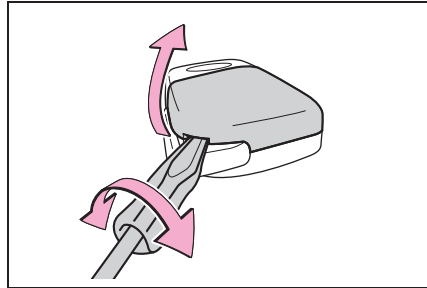
- Batteries can be purchased at your Toyota dealer, local electrical appliance shops or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to local laws.

Replacing the battery

- Vehicles without a smart entry & start system

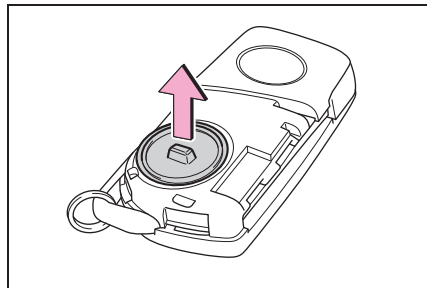
1 Remove the key cover.

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



2 Remove the battery cover.

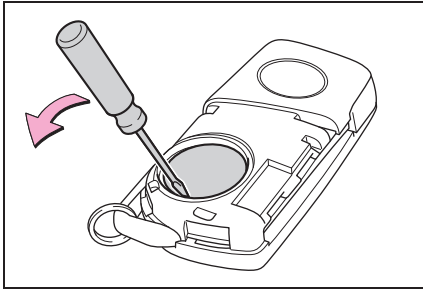
If the battery cover is difficult to remove, lift the edge to remove it.



3 Remove the depleted battery using a small flathead screwdriver.

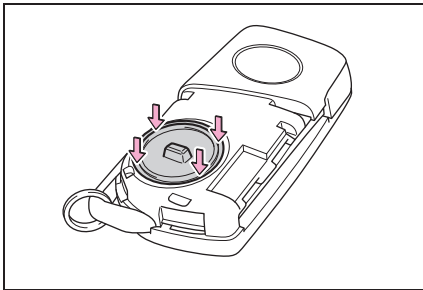
Insert a new battery with the "+" terminal.

nal facing up.



- 4** Install the battery cover with the tab facing up.

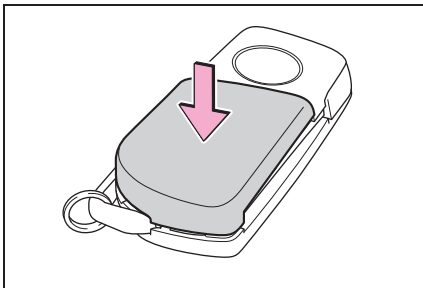
Push the entire edge of the battery cover into the key.





- 5** Install the key cover.

Align the key cover with the key and then press it straight into the key.

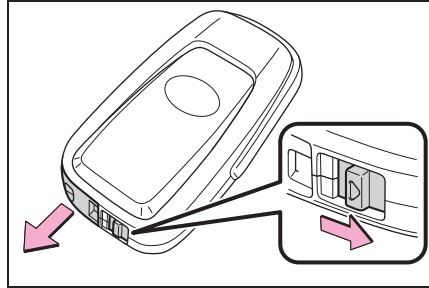
Make sure that the key cover is securely installed without any gaps between it and the key.



- 6** Operate the  or  switch and check that the doors can be locked/unlocked.

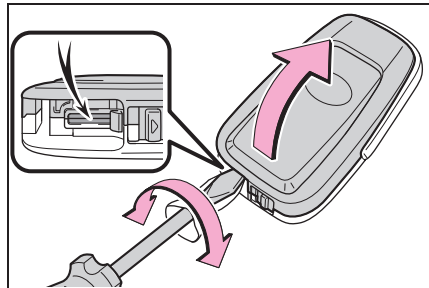
- Vehicles with a smart entry & start system

- 1** Release the lock and remove the mechanical key.



- 2** Remove the key cover.

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

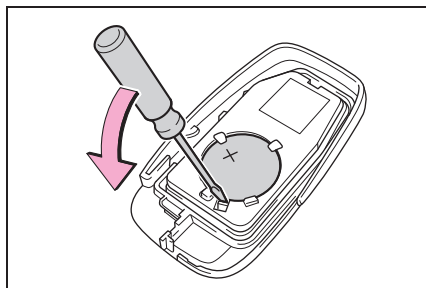




- 3** Remove the depleted battery using a small flathead screwdriver.

When removing the cover, the electronic key module may stick to the cover and the battery may not be visible. In this case, remove the electronic key module in order to remove the battery.

Insert a new battery with the "+" termi-

nal facing up.



- 4 When installing the key cover and mechanical key, install by conducting step 2 and step 1 with the directions reversed.
- 5 Operate the  or  switch and check that the doors can be locked/unlocked.



WARNING

■ Removed battery and other parts

These parts are small and if swallowed by a child, they can cause choking. Keep away from children. Failure to do so could result in death or serious injury.



NOTICE

■ When replacing the battery

Use a flathead screwdriver of appropriate size. Applying excessive force may deform or damage the cover.

■ For normal operation after replacing the battery

Observe the following precautions to prevent accidents:

- Always work with dry hands.
Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.

- Do not bend either of the battery terminals.

■ 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.

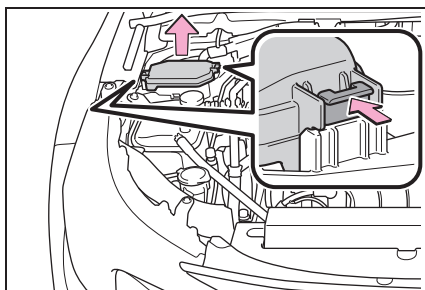
Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

Checking and replacing fuses

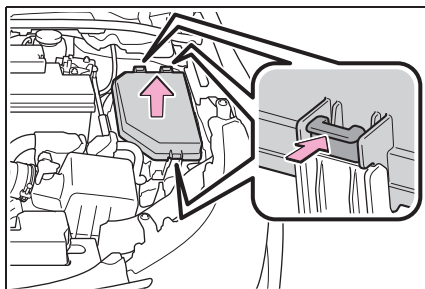
- 1 Turn the engine switch off.
- 2 Open the fuse box cover.
- Engine compartment: type A fuse box

Push the tabs in and lift the lid off.



- Engine compartment: type B fuse box

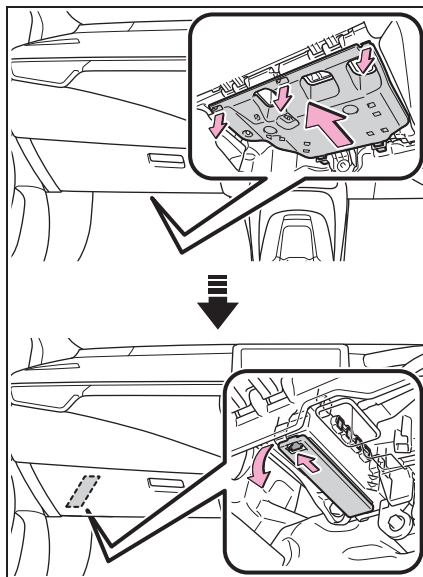
Push the tabs in and lift the lid off.



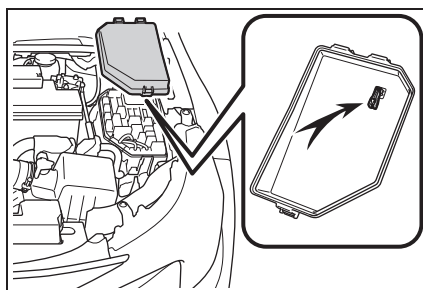
- Under the passenger's side instrument panel

Remove the lid.

Make sure to push the claw when removing/installing the lid.



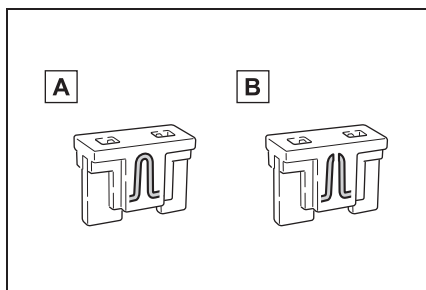
- 3 Remove the fuse with the pull-out tool. Only type A fuse can be removed using the pullout tool.



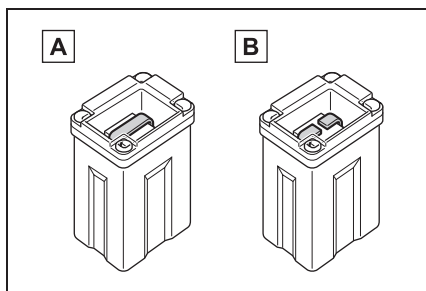
- 4 Check if the fuse is blown.

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

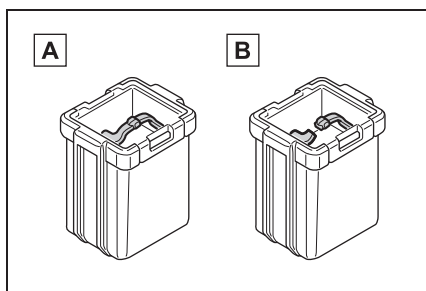
► Type A

**A** Normal fuse**B** Blown fuse

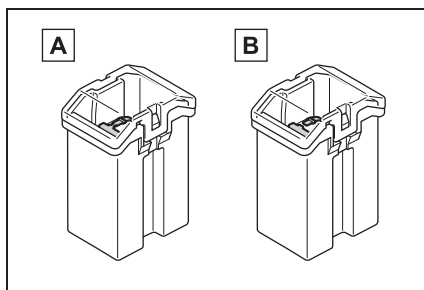
► Type B

**A** Normal fuse**B** Blown fuse

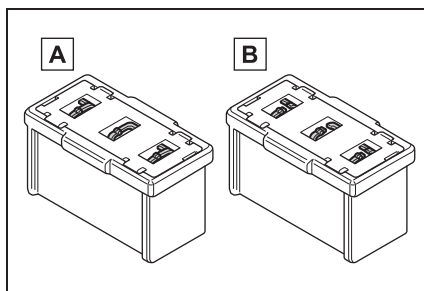
► Type C

**A** Normal fuse**B** Blown fuse

► Type D

**A** Normal fuse**B** Blown fuse

► Type E

**A** Normal fuse**B** Blown fuse

■ After a fuse is replaced

- When installing the lid, make sure that the tab is installed securely.
- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P.283)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

■ If there is an overload in a circuit

The fuses are designed to blow, protecting the wiring harness from damage.

■ When replacing light bulbs

Toyota recommends that you use genuine Toyota products designed for this

vehicle.

Because certain bulbs are connected to circuits designed to prevent overload, non-genuine parts of parts not designed for this vehicle may be unusable.



WARNING

■ To prevent system breakdowns and vehicle fire

Observe the following precautions. Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuses or fuse boxes.



NOTICE

■ Before replacing fuses

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

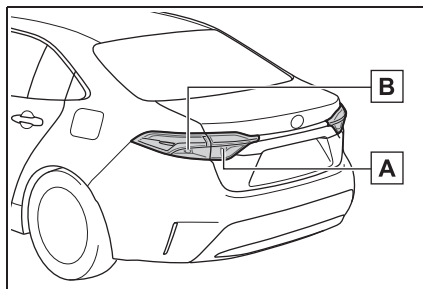
Light bulbs

You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. As there is a danger that components may be damaged, we recommend that replacement is carried out by your Toyota dealer.

Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P.330)

Bulb locations



A Back-up light

B Rear turn signal lights

■ Bulbs that need to be replaced by your Toyota dealer

- Headlights
- Daytime running lights/front position lights
- Front turn signal lights
- Side turn signal lights

- Tail lights
- Stop lights
- Rear fog light
- High mounted stoplight
- License plate lights

■ LED light bulbs

The lights other than the rear turn signal lights and back-up light 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

In certain situations, such as when driving in the rain or when washing the vehicle, condensation may form on the inner side of the headlight lens and other lights. As each light has a ventilation hole, moist air may enter. If the ambient temperature is low, condensation may form temporarily, but it will dissipate as the inside of the light is warmed up. As the condensation is due to a phenomenon similar to windows fogging in the rain, it 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.

■ When replacing light bulbs

→P.282

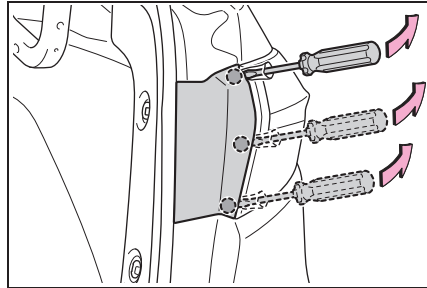
Replacing light bulbs

■ Rear turn signal lights

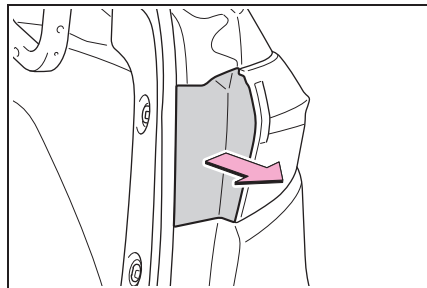
- 1 Open the trunk lid.
- 2 Insert a flathead screwdriver between the cover and the light assembly and pry up the cover

to disengage the claws (indicated by a dotted line).

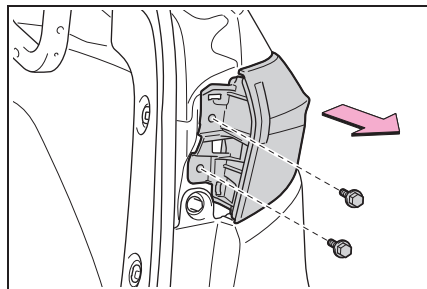
To prevent scratching the vehicle, wrap the tip of the flathead screwdriver with a cloth, etc.



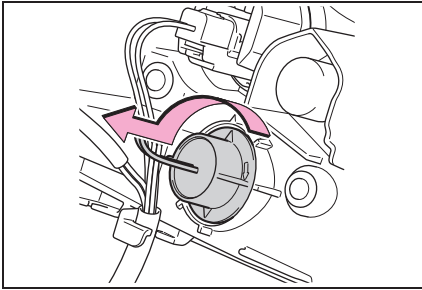
- 3 Pull the cover toward the rear of the vehicle and remove the cover.



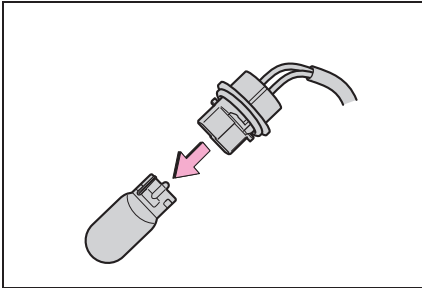
- 4 Remove the 2 screws and then remove the light assembly by pulling it straight back.



- 5** Turn the bulb base counterclockwise.



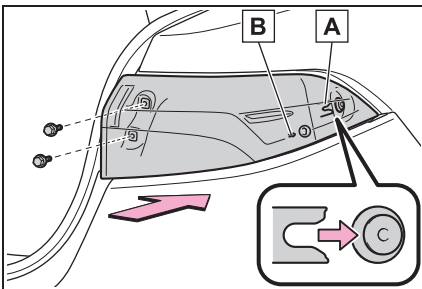
- 6** Remove the light bulb.



- 7** When installing the light bulb, install it by conducting steps **6** and **5** with the directions reversed.

- 8** Install the light assembly and then install the 2 screws.

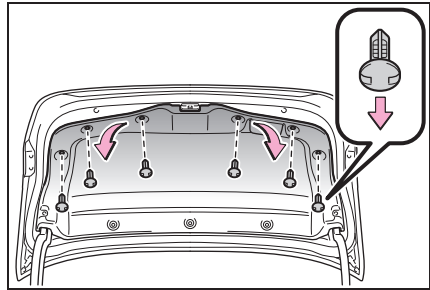
Align the guide **A** and pin **B** on the light assembly with the mounting when installing it.



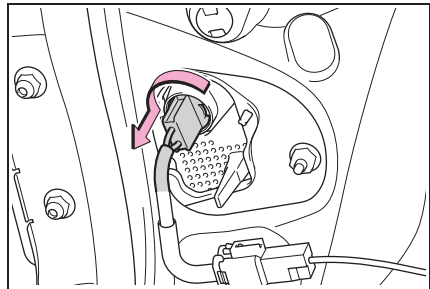
- 9** Install the cover.

■ Back-up light

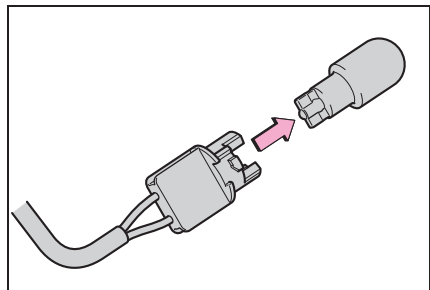
- 1** Open the trunk lid, remove the clips, and pull back the cover.



- 2** Turn the bulb base counterclockwise and remove it.



- 3** Remove the light bulb.



- 4** When installing, reverse the steps listed.

**WARNING****■ Replacing light bulbs**

- Turn off the lights. Do not attempt to replace the bulb immediately after turning off the lights. The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. When it is unavoidable to hold the glass portion, use and hold with a clean dry cloth to avoid getting moisture and oils on the bulb. Also, if the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failure to do so may result in heat damage, fire, or water entering the light unit. This may damage the lights or cause condensation to build up on the lens.

■ To prevent damage or fire

Make sure bulbs are fully seated and locked.

When trouble arises

7

7-1. Essential information

Emergency flashers288

If your vehicle has to be
stopped in an emergency
.....288

If the vehicle is trapped in rising
water.....290

7-2. Steps to take in an emergency

If your vehicle needs to be
towed291

If you think something is wrong
.....294

Fuel pump shut off system
.....295

If a warning light turns on or a
warning buzzer sounds...296

If a warning message is displayed302

If you have a flat tire304

If the engine will not start..312

If you lose your keys314

If the electronic key does not
operate properly314

If the vehicle battery is discharged316

If your vehicle overheats...320

If the vehicle becomes stuck
.....322

Emergency flashers

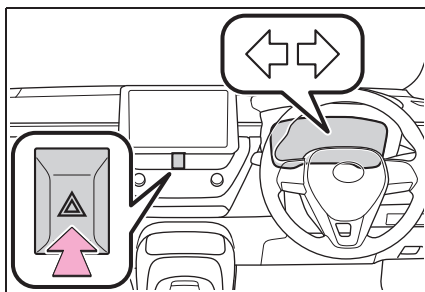
The emergency flashers are used to warn other drivers when the vehicle has to be stopped on the road due to a breakdown, etc.

Operating instructions

Press the switch.

All the turn signal lights will flash.

To turn them off, press the switch once again.



Emergency flashers

- If the emergency flashers are used for a long time while the 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:

Stopping the vehicle

- 1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

- 2 Shift the shift lever to N.

► If the shift lever is shifted to N

- 3 After slowing down, stop the vehicle in a safe place by the road.

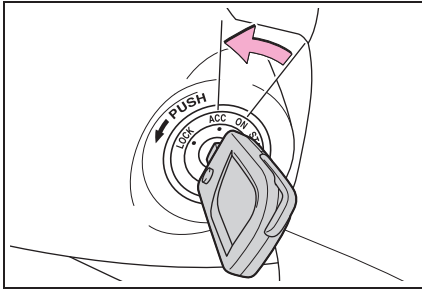
- 4 Stop the engine.

► 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.

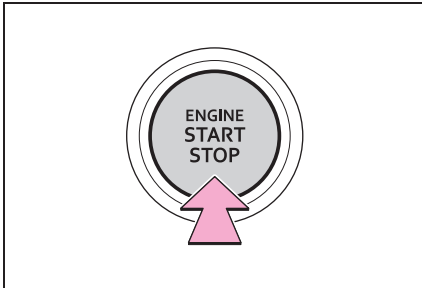
- 4 Vehicles without a smart entry & start system: Stop the engine by

turning the engine switch to ACC.



● Vehicles without a smart entry & start system: Never attempt to remove the key, as doing so will lock the steering wheel.

- 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.



WARNING

■ 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.

If the vehicle is trapped in rising water

In the event the vehicle is submerged in water, remain calm and perform the following.

- Remove the seat belt first.
- If the door can be opened, open the door and exit the vehicle.
- If the door can not be opened, open the window using the power window switch and exit the vehicle through the window.
- If the window can not be opened using the power window switch, remain calm, wait until the water level inside the vehicle rises to the point that the water pressure inside of the vehicle equals the water pressure outside of the vehicle, and then open the door and exit the vehicle.

**WARNING****■ Using an emergency hammer* for emergency escape**

The front side windows and rear side windows, as well as the rear window can be shattered with an emergency hammer* used for emergency escape. However, an emergency hammer* can not shatter the windshield as it is laminated glass.

*: Contact your Toyota dealer or aftermarket accessory manufacturer for further information about an emergency hammer.

■ Escaping the vehicle from the window

There are cases where escaping the vehicle from the window is not possible due to seating position, passenger body type, etc.

When using an emergency hammer, consider your seat location and the size of the window opening to ensure that the opening is accessible and large enough to escape.

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Toyota dealer or commercial towing service, using a wheel-lift type truck or flatbed truck.

Use a safety chain system for all towing, and abide by all state/provincial and local laws.

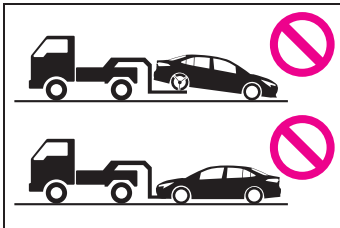


WARNING

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

■ When towing the vehicle

Be sure to transport the vehicle with the front wheels raised or with all four wheels raised off the ground. If the vehicle is towed with the front wheels contacting the ground, the drivetrain and related parts may be damaged.



■ While towing

- When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing eyelets, cables or chains. The towing eyelets, cables or chains may become damaged, broken debris may hit people, and cause serious damage.

- Do not turn the engine switch 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 smart entry & start system: Do not tow the vehicle from the rear when the engine switch is off or the key is removed. The steering lock mechanism is not strong enough to hold the front wheels straight.
- Vehicles with 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.

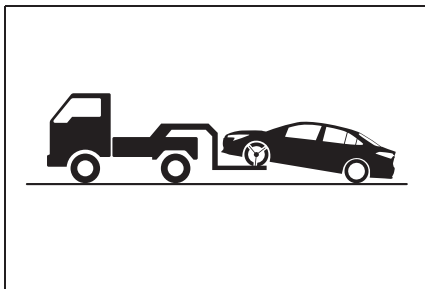
Situations when it is necessary to contact dealers before towing

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.

Towing with a wheel-lift type truck

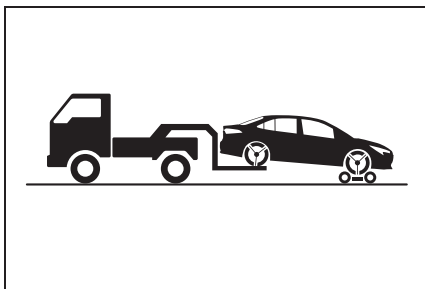
- From the front



Release the parking brake.

Turn automatic mode off. (→P.141)

- From the rear



Use a towing dolly under the front

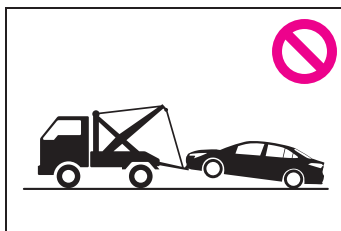
wheels.



NOTICE

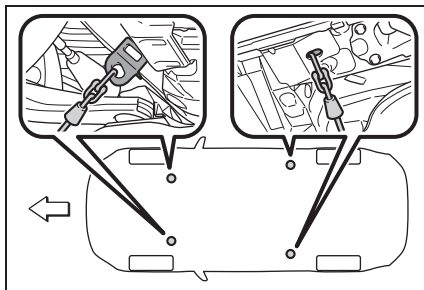
■ Towing with a sling-type truck

Do not tow with a sling-type truck to prevent body damage.

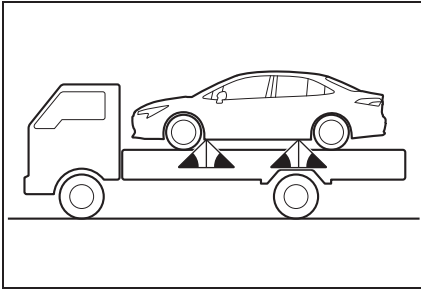


Using a flatbed truck

If your vehicle is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.



If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.

**NOTICE****■ 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.

For vehicles with a continuously variable transmission, only the front towing eyelets may be used.

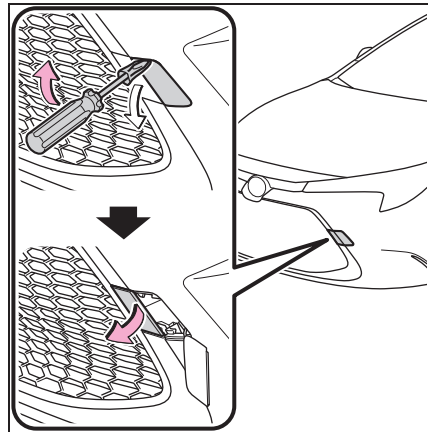
Emergency towing procedure

To have your vehicle towed by another vehicle, the towing eyelet must be installed to your vehicle.

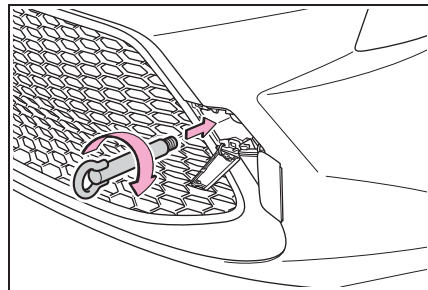
Install the towing eyelet using the following procedure.

- 1** Take out the wheel nut wrench and towing eyelet. (→P.305)
- 2** Remove the eyelet cover using a flathead screwdriver.

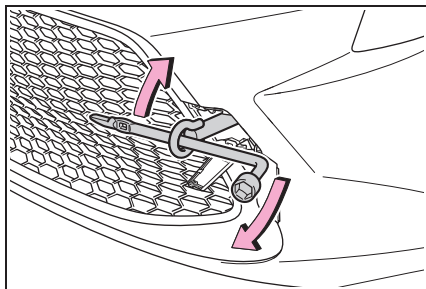
To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.



- 3** Insert the towing eyelet into the hole and tighten partially by hand.



- 4 Tighten down the towing eyelet securely using a wheel nut wrench or hard metal bar.



- 5 Securely attach cables or chains to the towing eyelet.

Take care not to damage the vehicle body.

- 6 Enter the vehicle being towed and start the engine.

If the engine does not start, turn the engine switch to ON.

- 7 Shift the shift lever to N and release the parking brake. Turn automatic mode off. (→P.141)
Continuously variable transmission: When the shift lever cannot be shifted: →P.135

■ 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 trunk. (→P.305)

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

Fuel pump shut off system

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.

Restarting the engine

Follow the procedure below to restart the engine after the system is activated.

- 1 Turn the engine switch to ACC or OFF.
- 2 Restart the engine.



NOTICE

■ 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.

Actions to the warning lights or warning buzzers


■ Brake system warning light (warning buzzer)

Warning light	Details/Actions
 (Red)	Indicates that: <ul style="list-style-type: none"> ● The brake fluid level is low; or ● The brake system is malfunctioning → Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.

■ Brake system warning light


Warning light	Details/Actions
 (Yellow)	Indicates a malfunction in the parking brake system → Have the vehicle inspected by your Toyota dealer immediately.

■ High coolant temperature warning light* (warning buzzer)


Warning light	Details/Actions
	Indicates that the engine coolant temperature is excessively high → Immediately stop the vehicle in a safe place. Handling method (→P.320)

*: This light illuminates on the multi-information display.

■ Charging system warning light


Warning light	Details/Actions
	Indicates a malfunction in the vehicle's charging system → Immediately stop the vehicle in a safe place and contact your Toyota dealer.

■ Low engine oil pressure warning light* (warning buzzer)


Warning light	Details/Actions
	Indicates that the engine oil pressure is excessively low → Immediately stop the vehicle in a safe place and contact your Toyota dealer.

*: This light illuminates on the multi-information display.


■ Malfunction indicator lamp (warning buzzer)

Warning light	Details/Actions
	Indicates a malfunction in: <ul style="list-style-type: none"> ● The electronic engine control system; ● The electronic throttle control system; or ● The electronic continuously variable transmission control system (if equipped) → Immediately stop the vehicle in a safe place and contact your Toyota dealer.


■ SRS warning light (warning buzzer)

Warning light	Details/Actions
	Indicates a malfunction in: <ul style="list-style-type: none"> ● The SRS airbag system; or ● The seat belt pretensioner system → Have the vehicle inspected by your Toyota dealer immediately.

■ ABS warning light



Warning light	Details/Actions
	Indicates a malfunction in: <ul style="list-style-type: none"> ● The ABS; or ● The brake assist system → Have the vehicle inspected by your Toyota dealer immediately.

■ Brake Override System warning light/Drive-Start Control warning light* (warning buzzer)


Warning light	Details/Actions
	<p>When a buzzer sounds:</p> <p>Indicates a malfunction in:</p> <ul style="list-style-type: none"> ● The Brake Override System; or ● The Drive-Start Control (if equipped) <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p> <p>Indicates that the shift position was changed and Drive-Start Control (if equipped) was operated while depressing the accelerator pedal.</p> <p>→ Momentarily release the accelerator pedal.</p> <p>When a buzzer does not sound:</p> <p>Indicates that the accelerator and brake pedals are being depressed simultaneously, and the Brake Override System is operating.</p> <p>→ Release the accelerator pedal and depress the brake pedal.</p>

*: This light illuminates on the multi-information display.


■ Electric power steering system warning light (warning buzzer)

Warning light	Details/Actions
 (Red) or  (Yellow)	<p>Indicates a malfunction in the EPS (Electric Power Steering) system</p> <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>

■ Low fuel level warning light

Warning light	Details/Actions
	<p>Indicates that remaining fuel is approximately 7.5 L (2 gal., 1.6 Imp. gal.) or less</p> <p>→ Refuel the vehicle.</p>


■ Driver's and front passenger's seat belt reminder light (warning buzzer)*

Warning light	Details/Actions
	Warns the driver and/or front passenger to fasten their seat belts → Fasten the seat belt. If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) turn off.

*: Driver's and front passenger's seat belt warning buzzer:

The driver's and front passenger's seat belt warning buzzer sounds to alert the driver and front passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.


■ Rear passengers' seat belt reminder lights (warning buzzer)*

Warning light	Details/Actions
	Warns the rear passengers to fasten their seat belts → Fasten the seat belt.


*: 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 vehicle reaches a certain speed.


■ LTA indicator/LDA indicator (warning buzzer)

Warning light	Details/Actions
 (Orange)	Indicates a malfunction in the LTA (Lane Tracing Assist) or LDA (Lane Departure Alert with steering control) → Follow the instructions displayed on the multi-information display. (→P.178, 186)


■ RCTA OFF indicator (warning buzzer)

Warning light	Details/Actions
 (Flashes) (if equipped)	<p>Indicates a malfunction in the RCTA (Rear Cross Traffic Alert) function</p> <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p> <p>Indicates that the rear bumper around the radar sensor is covered with dirt, etc. (→P.211)</p> <p>→ Follow the instructions displayed on the multi-information display. (→P.216)</p>


■ PCS warning light

Warning light	Details/Actions
 (Flashes or illuminates)	<p>When a buzzer sounds simultaneously:</p> <p>Indicates a malfunction has occurred in the PCS (Pre-Collision System).</p> <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p> <p>When a buzzer does not sound:</p> <p>The PCS (Pre-Collision System) has become temporarily unavailable, corrective action may be necessary.</p> <p>→ Follow the instructions displayed on the multi-information display. (→P.160)</p> <p>If the PCS (Pre-Collision System) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate.</p> <p>→ P.168</p>


■ Slip indicator

Warning light	Details/Actions
	<p>Indicates a malfunction in:</p> <ul style="list-style-type: none"> ● The VSC system; ● The TRC system; or ● The hill-start assist control system <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>


■ Parking brake indicator

Warning light	Details/Actions
 (Flashes)	<p>It is possible that the parking brake is not fully engaged or released</p> <p>→ Operate the parking brake switch once again.</p> <p>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.</p>

■ Brake hold operated indicator

Warning light	Details/Actions
 (Flashes)	<p>Indicates a malfunction in the brake hold system</p> <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>

■ iMT indicator

Warning light	Details/Actions
 (Orange) (if equipped)	<p>Indicates a malfunction in the iMT</p> <p>→ Have the vehicle inspected by your Toyota dealer immediately.</p>

■ Warning buzzer

In some cases, the buzzer may not be heard due to being in a noisy location or audio sound.

■ Front passenger detection sensor, seat belt reminder and warning buzzer

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash and the warning buzzer to sound even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

■ If the malfunction indicator lamp comes on while driving

The malfunction indicator lamp will come on if the fuel tank becomes completely empty. If the fuel tank is empty, refuel the vehicle immediately. The malfunction indicator lamp will go off after several trips.

If the malfunction indicator lamp does not go off, contact 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.

**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 a warning message is displayed

The multi-information display shows warnings for system malfunctions and incorrectly performed operations, and messages that indicate a need for maintenance. When a message is displayed, perform the appropriate corrective action for the message.

If a warning message is displayed again after the appropriate actions have been performed, contact your Toyota dealer.

Additionally, if a warning light comes on or flashes at the same time that a warning message is displayed, take the appropriate corrective action for the warning light. (→P.296)

■ Warning messages

The warning messages explained below may differ from the actual messages according to operation conditions and vehicle specifications.

■ Warning buzzer

A buzzer may sound when a message is displayed.

The buzzer may not be audible if the vehicle is in a noisy location or if the audio system volume is high.

■ If “Engine Oil Level Low Add or Replace” is displayed

The engine oil level is low. Check the level of the engine oil, and add if necessary.

This message may appear if the vehicle is stopped on a slope. Move the vehicle to a level surface and check to see if the message disappears.

■ **If “Engine Stopped Steering Power Low” is displayed**

This message is displayed if the engine is stopped while driving.

When steering wheel operations are heavier than usual, grip the steering wheel firmly and operate it using more force than usual.

■ **If “Auto Power OFF to Conserve Battery” is displayed**

Power was cut off due to the automatic power off function. Next time when starting the engine, increase the engine speed slightly and maintain that level for approximately 5 minutes to recharge the battery.

■ **If “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
- Automatic High Beam

■ **If a message that indicates the malfunction of front camera is displayed**

The following systems may be suspended until the problem shown in the message is resolved. (→P.160, 296)

- PCS (Pre-Collision system)
- LTA (Lane Tracing Assist) (if equipped)
- LDA (Lane Departure Alert with steering control) (if equipped)
- Automatic High Beam
- RSA (Road Sign Assist)
- Dynamic radar cruise control with full-speed range (if equipped)
- Dynamic radar cruise control (if equipped)

■ **If “Radar Cruise Control Temporarily Unavailable See Owner's Manual” is displayed**

The dynamic radar cruise control system is suspended temporarily or until the problem shown in the message is resolved. (causes and coping methods: →P.160)

■ **If “Radar Cruise Control Unavailable” is displayed**

The dynamic radar cruise control system cannot be used temporarily. Use the system when it becomes available again.

■ **If a message that indicates the need for visiting your Toyota dealer is displayed**

The system or part shown on the multi-information display is malfunctioning. Have the vehicle inspected by your Toyota dealer immediately.

■ **If a message that indicates the need for referring to Owner's Manual is displayed**

- If “Engine Coolant Temp High” is displayed, follow the instructions accordingly. (→P.320)
- If the following message is displayed on the multi-information display, it may indicate a malfunction. Have the vehicle inspected by your Toyota dealer immediately.
 - “Smart Entry & Start System Malfunction”
- If any of the following messages are displayed on the multi-information display, it may indicate a malfunction. Immediately stop the vehicle and contact your Toyota dealer.
 - “Braking Power Low”
 - “Charging System Malfunction”
 - “Oil Pressure Low”



NOTICE

■ If “High Power Consumption Partial Limit on AC/Heater Operation” is displayed frequently

There is a possible malfunction relating to the charging system or the battery may be deteriorating. Have the vehicle inspected by your Toyota dealer.

If you have a flat tire

Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.

For details about tires: →P.272



WARNING

■ If you have a flat tire

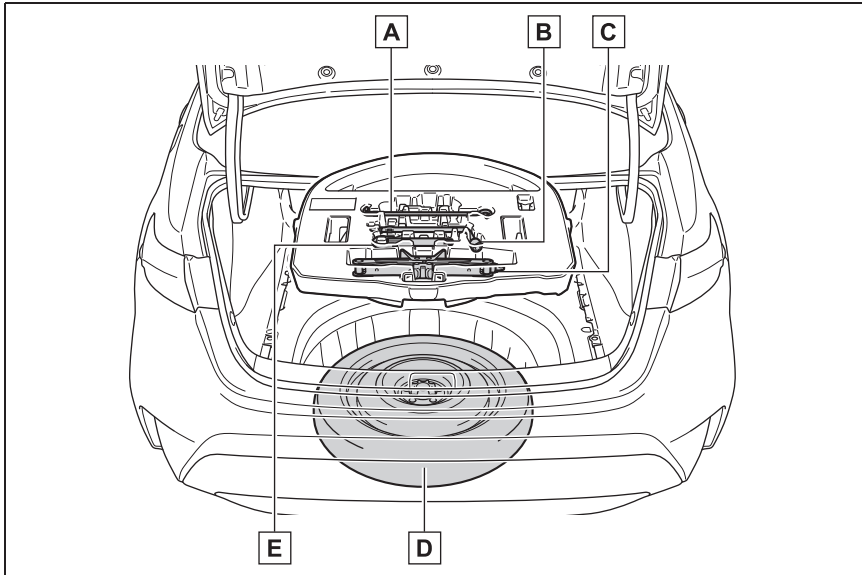
Do not continue driving with a flat tire. Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

Before jacking up the vehicle

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P (continuously variable transmission) or R (manual transmission).
- Stop the engine.
- Turn on the emergency flashers.

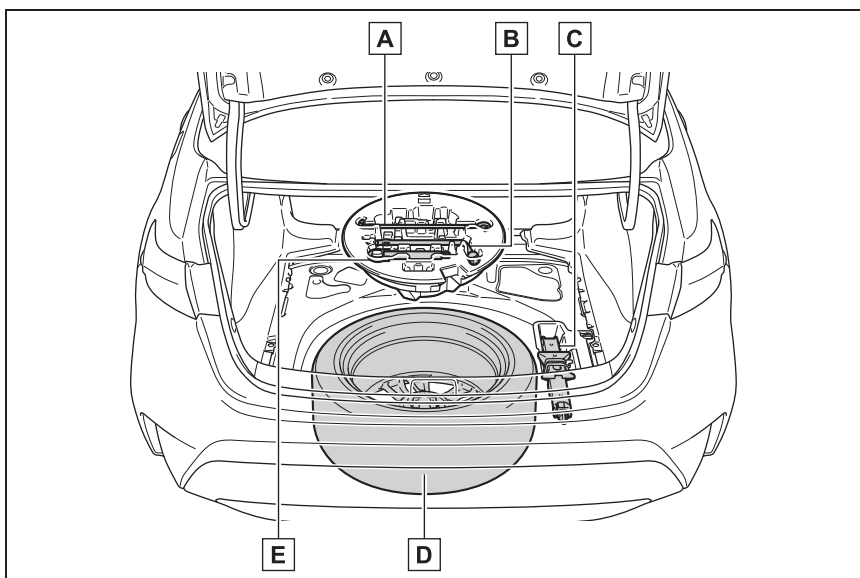
Location of the spare tire, jack and tools

- Vehicles with a compact spare tire



- A** Jack handle
- B** Wheel nut wrench
- C** Jack
- D** Spare tire
- E** Towing eyelet

► Vehicles with a full-size spare tire



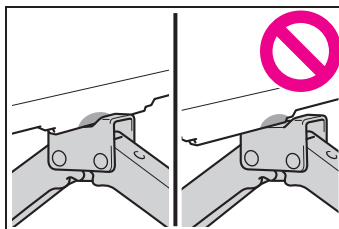
- A** Jack handle
- B** Wheel nut wrench
- C** Jack
- D** Spare tire
- E** Towing eyelet

**WARNING****■ Using the tire jack**

Observe the following precautions. Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.

- Put the jack properly in its jack point.



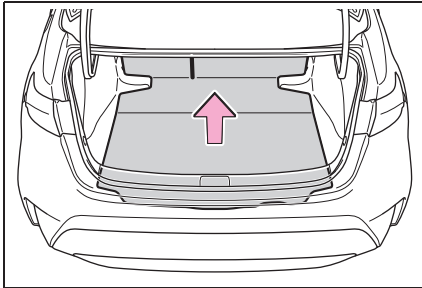
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start the engine or drive the vehicle while the vehicle is supported by the jack.

**WARNING**

- Do not raise the vehicle while someone is inside.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering.

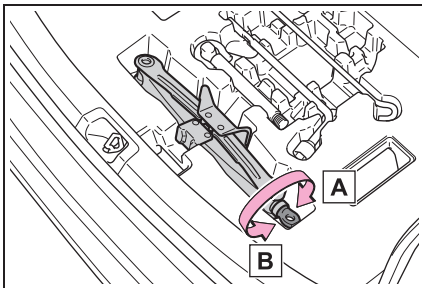
Taking out the jack

- 1 Remove the deck mat.



- 2 Take out the jack.

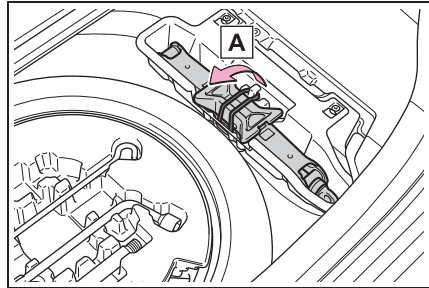
Vehicles with a compact spare tire:



A For tightening

B For loosening

Vehicles with a full-size spare tire:

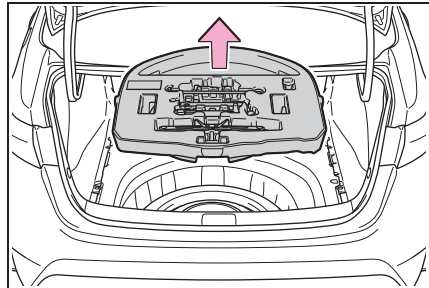


A Disengage the tightening strap.

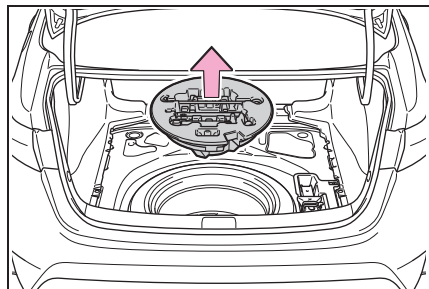
Taking out the spare tire

- 1 Remove the deck mat. (→P.307)
- 2 Remove the tool tray.

Vehicles with a compact spare tire:

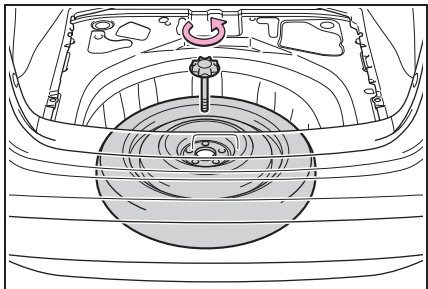


Vehicles with a full-size spare tire:

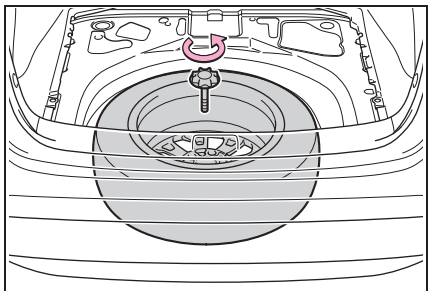


- 3 Loosen the center fastener that secures the spare tire.

Vehicles with a compact spare tire:



Vehicles with a full-size spare tire:



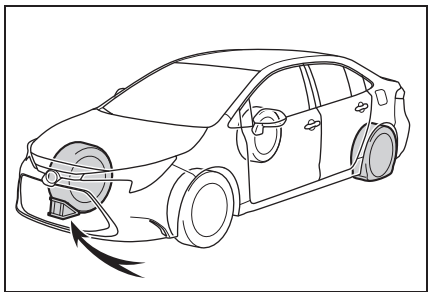
WARNING

■ **When storing the spare tire**

Be careful not to catch fingers or other body parts between the spare tire and the body of the vehicle.

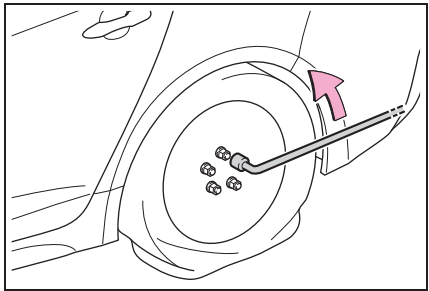
Replacing a flat tire

1 Chock the tires.



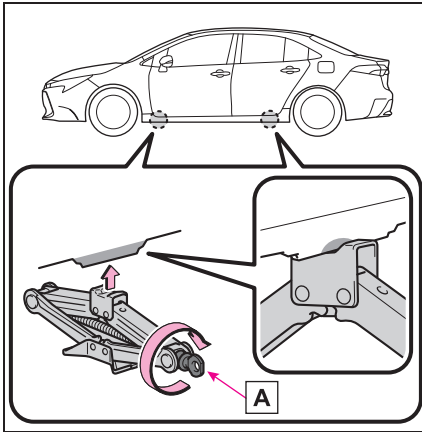
Flat tire	Wheel chock positions
Front left-hand side	Behind the rear right-hand side tire
Front right-hand side	Behind the rear left-hand side tire
Rear left-hand side	In front of the front right-hand side tire
Rear right-hand side	In front of the front left-hand side tire

2 Slightly loosen the wheel nuts (one turn).

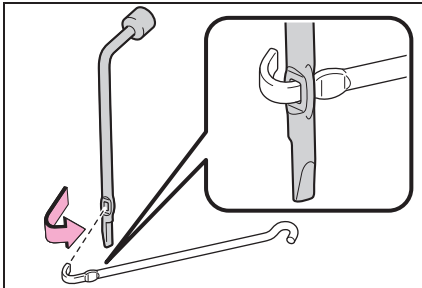


3 Turn the tire jack portion **A** by hand until the center of the recessed portion of the jack is in

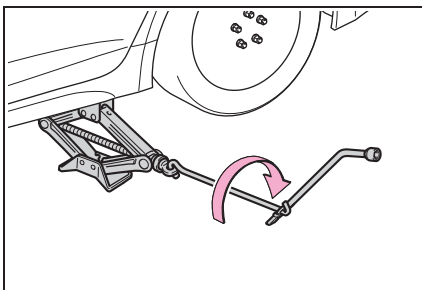
contact with the center of the jack point.



- 4** Assemble the jack handle extension.



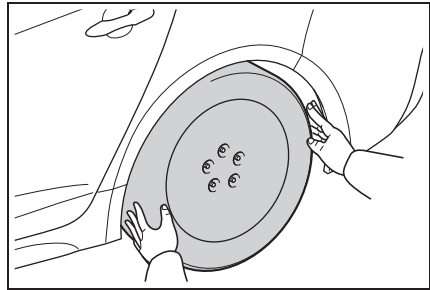
- 5** Raise the vehicle until the tire is slightly raised off the ground.



- 6** Remove all the wheel nuts and the tire.

When resting the tire on the ground,

place the tire so that the wheel design faces up to avoid scratching the wheel surface.



! WARNING

Replacing a flat tire

- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven. After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc. may result in burns.
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
- Have the wheel nuts tightened with a torque wrench to 103 N•m (10.5 kgf•m, 76 ft•lbf) as soon as possible after changing wheels.
- Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.
- When installing a tire, only use wheel nuts that have been specifically designed for that wheel.
- If there are any cracks or deformations in the bolt screws, nut threads or bolt holes of the wheel, have the vehicle inspected by your Toyota dealer.



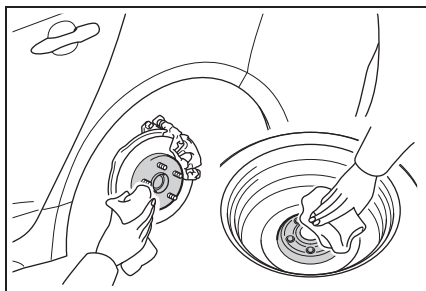
WARNING

- When installing the wheel nuts, be sure to install them with the tapered ends facing inward.

Installing the spare tire

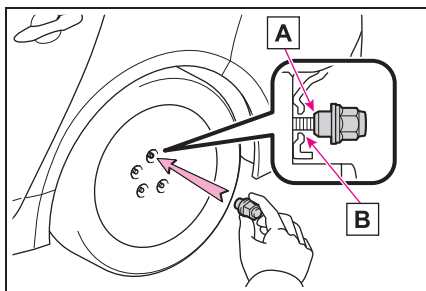
- Remove any dirt or foreign matter from the wheel contact surface.

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.

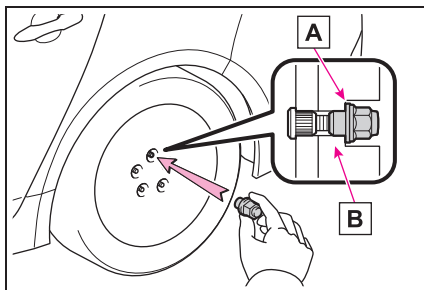


- Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

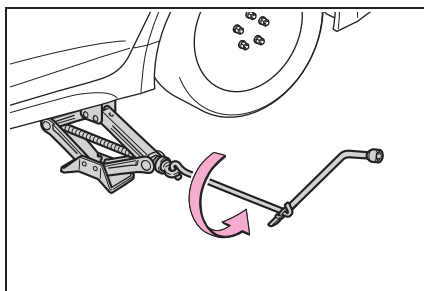
When replacing an aluminum wheel with a steel wheel, tighten the wheel nuts until the tapered portion **A** comes into loose contact with the disc wheel seat **B**.



When replacing an aluminum wheel with an aluminum wheel, turn the wheel nuts until the washers **A** come into loose contact with the disc wheel **B**.

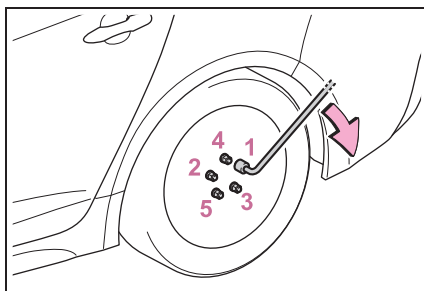


- Lower the vehicle.



- 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)



- Stow the flat tire, tire jack and all tools.

■ The full-size spare tire (if equipped)

Make sure to check the tire inflation pressure of the full-size spare tire.
(→P.329)

■ 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.329)

■ When the compact spare tire is equipped (vehicles with a compact spare tire)

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires.

■ If you have a flat front tire on a road covered with snow or ice (vehicles with 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.

**WARNING****■ When using the full-size spare tire (if equipped)**

- Replace the full-size 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 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
- Automatic High Beam
- Dynamic radar cruise control with full-speed range (if equipped)
- Dynamic radar cruise control (if equipped)
- EPS
- PCS (Pre-Collision System)
- LDA (Lane Departure Alert with steering control) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- BSM (Blind Spot Monitor) (if equipped)
- RCTA (Rear Cross Traffic Alert) function (if equipped)
- Rear view monitor system

**WARNING**

- Navigation system (if equipped)

■ **Speed limit when using the compact spare tire (if equipped)**

Do not drive at speeds in excess of 80 km/h (50 mph) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

■ **After using the tools and jack**

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

**NOTICE**

■ **Be careful when driving over bumps with the compact spare tire installed on the vehicle (if equipped)**

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

■ **Driving with tire chains and the compact spare tire (if equipped)**

- Temporary spare tires fitted to this vehicle must have a maximum load rating of not less than 750 kg or a load index of 98 and a speed category symbol of not less than M (130 km/h).

- Do not fit tire chains to the compact spare tire. Tire chains may damage the vehicle body and adversely affect driving performance.

If the engine will not start

If the engine will not start even though correct starting procedures are being followed (→P.128, 129), 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.128, 129)
- There may be a malfunction in the engine immobilizer system. (→P.54)

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:

- The battery may be discharged. (→P.316)
- The battery terminal connec-

tions may be loose or corroded.
(→P.269)

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.
(→P.313)

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:

- The battery may be discharged.
(→P.316)
- One or both of the battery terminals may be disconnected.
(→P.269)
- There may be a malfunction in the steering lock 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.

Do not use this starting procedure except in case of emergency.

- 1 Set the parking brake. (→P.140)
- 2 Check that the shift lever is in P (continuously variable transmission) or N (manual transmission).
- 3 Turn the engine switch to ACC.
- 4 Press and hold the engine switch for about 15 seconds while depressing the brake pedal (continuously variable transmission) or clutch pedal (manual transmission) 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 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 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.



NOTICE

■ 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.

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 (→P.95) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors can be opened and the engine can be started by following the procedure below.

■ 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.332)
- Check if battery-saving mode is set. If it is set, cancel the function. (→P.95)



NOTICE

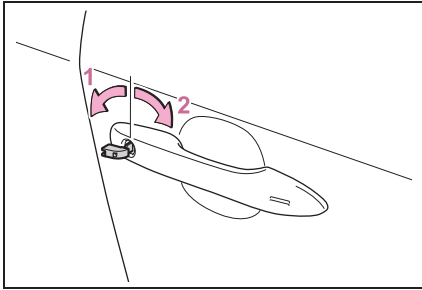
■ In case of a smart entry & start system malfunction or other key-related problems

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

Locking and unlocking the doors

Use the mechanical key (→P.85) in

order to perform the following operations:



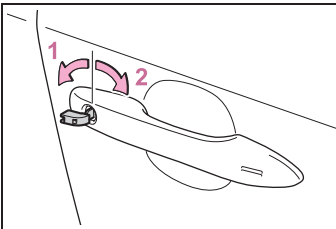
1 Unlocks all the doors

Turning the key unlocks the driver's door. Turning the key again unlocks the other doors.*

2 Locks all the doors

*: This setting must be customized at your Toyota dealer.

■ Key linked functions



1 Opens the windows and moon roof*¹ (turn and hold)*²

2 Closes the windows and moon roof*¹ (turn and hold)*²

*¹: If equipped

*²: This setting must be customized at your Toyota dealer.



WARNING

■ When using the mechanical key and operating the power windows or moon roof (if equipped)

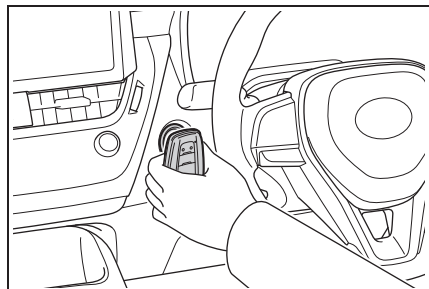
Operate the power window or moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window or moon roof. Also, do not allow children to operate the mechanical key. It is possible for children and other passengers to get caught in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

Starting the engine

- 1** Vehicles with a continuously variable transmission: Ensure that the shift lever is in P and depress the brake pedal. Vehicles with a manual transmission: Shift the shift lever to N and depress the clutch 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 ON.

When the smart entry & start system is deactivated in customization setting, the engine switch will turn to ACC.



- 3 Firmly depress the brake pedal (continuously variable transmission) or clutch pedal (manual transmission) and check that



is shown 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 (continuously variable transmission) or N (manual transmission) and press the engine switch as you normally do when stopping the engine.

■ Electronic key battery

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P.278)

■ Changing engine switch modes

Release the brake pedal (continuously variable transmission) or clutch pedal (manual transmission) and press the engine switch in step 3 above.

The engine does not start and modes will be changed each time the switch is pressed. (→P.131)

If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.

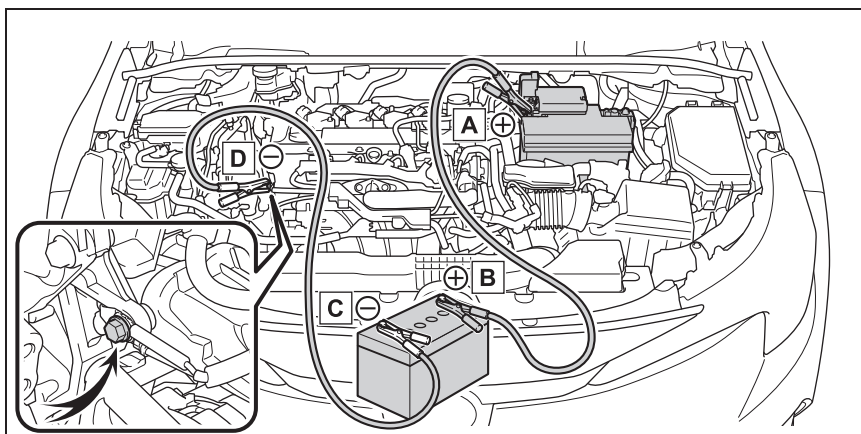
You can also call your Toyota dealer or a qualified repair shop.

Restarting the engine

If you have a set of jumper (or booster) cables and a second vehi-

cle with a 12-volt battery, you can jump start your vehicle by following the steps below.

- 1 Open the hood. (→P.263)
- 2 Connect a positive jumper cable clamp to **A** on your vehicle and connect the clamp on the other end of the positive cable to **B** on the second vehicle. Then, connect a negative cable clamp to **C** on the second vehicle and connect the clamp at the other end of the negative cable to **D**.



- A** Positive (+) battery terminal (your vehicle)
 - B** Positive (+) battery terminal (second vehicle)
 - C** Negative (-) battery terminal (second vehicle)
 - D** Solid, stationary, unpainted metallic point away from the battery and any moving parts as shown in the illustration
- 3 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.
 - 4 Vehicles with a smart entry & start system: Open and close any of the doors of your vehicle with the engine switch OFF.
 - 5 Maintain the engine speed of the second vehicle and start the engine of your vehicle by turning the engine switch to ON.
 - 6 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.

■ 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 that the case size is same as the previous one (LN2), 20 hour rate capacity (20HR) is equivalent (60Ah) or greater, and performance rating (CCA) is equivalent (360A) or greater.
- 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.

**WARNING****■ 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.

■ 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 fans or engine drive belt.

If your vehicle overheats

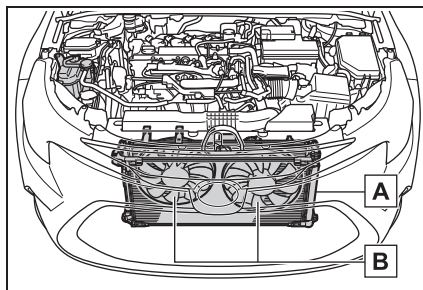
The following may indicate that your vehicle is overheating.

- The engine coolant temperature gauge (→P.60, 64) is in 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.

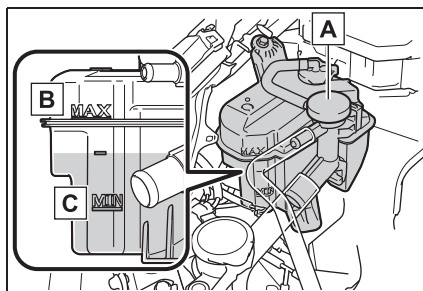


A Radiator

B Cooling fans

If a large amount of coolant leaks, immediately contact your Toyota dealer.

- 4 The coolant level is satisfactory if it is between the “MAX” and “MIN” lines on the reservoir.



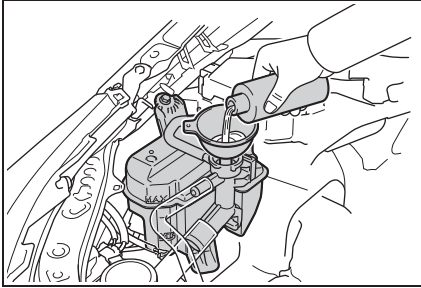
A Reservoir

B “MAX” line

C “MIN” line

- 5 Add engine coolant if necessary.
Water can be used in an emergency if

engine coolant is unavailable.



- 6 Start the engine and turn the air conditioning system on to check that the radiator cooling fans operates and to check for coolant leaks from the radiator or hoses.

The fans operates when the air conditioning system is turned on immediately after a cold start. Confirm that the fans are operating by checking the fans sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly. (The fans may not operate in freezing temperatures.)

- 7 If the fans are not operating:
Stop the engine immediately and contact your Toyota dealer.
If the fans are operating: Have the vehicle inspected at the nearest Toyota dealer.



WARNING

■ When inspecting under the hood of your vehicle

Observe the following precautions. Failure to do so may result in serious injury such as burns.

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot.

- Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fans and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.

- Do not loosen the coolant reservoir cap while the engine and radiator are hot. High temperature steam or coolant could spray out.



NOTICE

■ When adding engine coolant

Add coolant slowly after the engine has cooled down sufficiently. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

■ To prevent damage to the cooling system

Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use any coolant additive.

If the vehicle becomes stuck

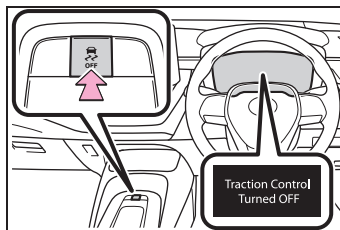
Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

Recovering procedure

- 1 Stop the engine. Set the parking brake and shift the shift lever to P (continuously variable transmission) or N (manual transmission).
- 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 (continuously variable transmission) or 1 or R (manual transmission) and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

■ When it is difficult to free the vehicle

Press the  switch 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 (vehicles with a continuously variable transmission)

Be careful not to shift the shift lever with the accelerator pedal depressed. This may lead to unexpected rapid acceleration of the vehicle that may cause an accident resulting in death or serious injury.

⚠ NOTICE

■ To avoid damaging the transmission and other components

- Avoid spinning the front wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

Vehicle specifications

8

8-1. Specifications

Maintenance data (fuel, oil
level, etc.)324

Fuel information331

8-2. Customization

Customizable features332

Maintenance data (fuel, oil level, etc.)**Dimensions**

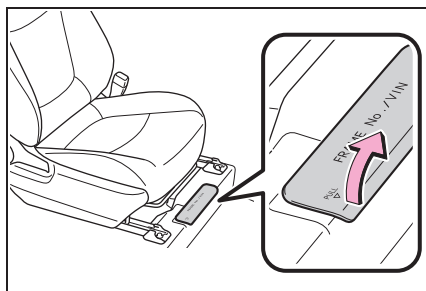
Overall length		4630 mm (182.3 in.)
Overall width		1780 mm (70.1 in.)
Overall height*		1435 mm (56.5 in.)
Wheelbase		2700 mm (106.3 in.)
Tread	Front	1531 mm (60.3 in.)
	Rear	1534 mm (60.4 in.)

*: Unladen vehicles

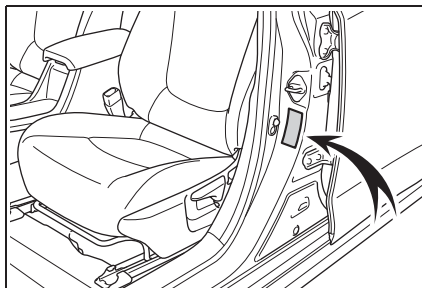
Vehicle identification**Vehicle identification number**

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

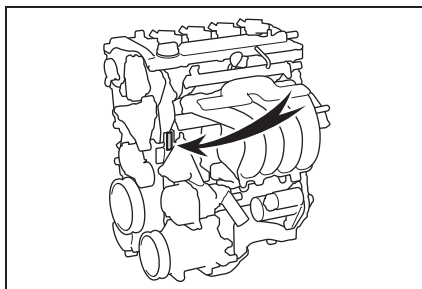
This number is stamped under the right-hand front seat.



This number is also on the manufacturer's label.

**Engine number**

The engine number is stamped on the engine block as shown.



Engine

Model	M20A-FKS
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	80.5 × 97.6 mm (3.17 × 3.84 in.)
Displacement	1987 cm ³ (121.3 cu. in.)
Valve clearance	Automatic adjustment
Drive belt tension	Automatic adjustment

Fuel

Fuel type	Unleaded gasoline only
Research Octane Number	91 or higher
Fuel tank capacity (Reference)	50.0 L (13.2 gal., 11.0 Imp. gal.)

Lubrication system

■ Oil capacity (Drain and refill [Reference*])

With filter	4.6 L (4.9 qt., 4.0 Imp. qt.)
Without filter	4.3 L (4.5 qt., 3.8 Imp. qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

Oil grade:

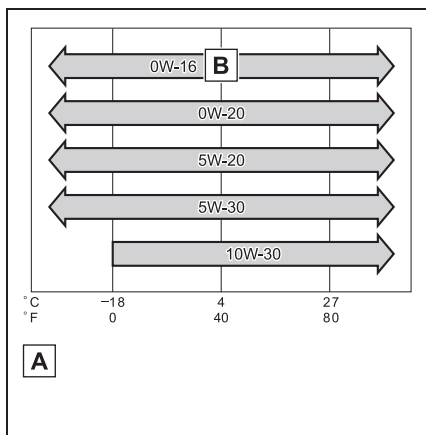
0W-16:

API grade SN “Resource-Conserving” or SN PLUS “Resource-Conserving” multigrade engine oil

0W-20, 5W-20, 5W-30 and 10W-30:

API grade SL “Energy-Conserving”, SM “Energy-Conserving”, SN “Resource-Conserving” or SN PLUS “Resource-Conserving”; or ILSAC multigrade engine oil

Recommended viscosity (SAE):



A Temperature range anticipated before next oil change

B Preferred

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.

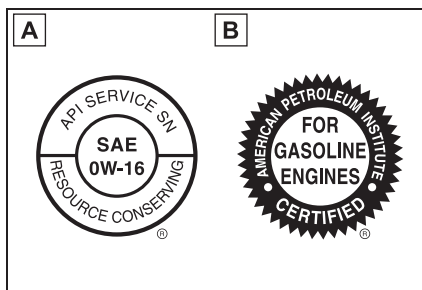
Oil viscosity (0W-16 is explained here as an example):

- 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 viscos-

ity (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.



A API Service Symbol

Top portion: “API SERVICE SN” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 0W-16” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

B ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

Cooling system

Capacity (Reference)	Continuously variable transmission: 6.6 L (7.0 qt., 5.8 Imp. qt.) Manual transmission: 6.2 L (6.6 qt., 5.5 Imp. qt.)
Coolant type	Use either of the following: <ul style="list-style-type: none">• “Toyota Super Long Life Coolant”• Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

Ignition system (spark plug)

Make	DENSO FC20HR-Q8
Gap	0.8 mm (0.032 in.)

 NOTICE

 Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

Electrical system (battery)

Open voltage at 20°C (68°F):	12.3 V or higher (Turn the engine switch off and turn on the high beam headlights for 30 seconds.)
Specific gravity reading at 20°C (68°F):	1.25 or higher If the specific gravity is lower than the standard value, charge the battery.
Charging rates	
Quick charge	15 A max.
Slow charge	5 A max.

Continuously variable transmission

Fluid capacity*	8.5 L (9.0 qt., 7.5 Imp. qt.)
Fluid type	Toyota Genuine CVT Fluid FE

- *: The fluid capacity is a reference quantity.
If replacement is necessary, contact your Toyota dealer.

**NOTICE**

Continuously variable transmission fluid type

Using continuously variable transmission fluid other than the above type may cause abnormal noise or vibration, or damage the continuously variable transmission of your vehicle.

Manual transmission

Gear oil capacity (Reference)	1.5 L (1.6 qt., 1.3 Imp. qt.)
Gear oil type	"TOYOTA Genuine Manual Transmission Gear Oil LV GL-4 75W" or equivalent

**NOTICE**

Manual transmission gear oil type

- Please be aware that depending on the particular characteristics of the gear oil used or the operating conditions, idle sound, shift feeling and/or fuel efficiency may be different or affected and, in the worst case, damage to the vehicle's transmission.

Toyota recommends to use "TOYOTA Genuine Manual Transmission Gear Oil LV GL-4 75W" to achieve optimal performance.

- Your Toyota vehicle is filled with "TOYOTA Genuine Manual Transmission Gear Oil LV GL-4 75W" at the factory.

Use Toyota approved "TOYOTA Genuine Manual Transmission Gear Oil LV GL-4 75W" or an equivalent oil of matching quality that satisfies the above specifications.

Please contact your Toyota dealer for further details.

Clutch

Pedal free play	3 — 15 mm (0.1 — 0.6 in.)
Fluid type	FMVSS No.116 DOT 3 or SAE J1703 FMVSS No.116 DOT 4 or SAE J1704

Brakes

Pedal clearance* ¹	105 mm (4.1 in.) Min.
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)

Parking brake indicator ^{*2}	When pulling the parking brake switch for 1 to 2 seconds: comes on When pushing the parking brake switch for 1 to 2 seconds: turns off
Fluid type	FMVSS No.116 DOT 3 or SAE J1703 FMVSS No.116 DOT 4 or SAE J1704

^{*1}: Minimum pedal clearance when depressed with a force of 300 N (30.6 kgf, 67.4 lbf) while the engine is running.

^{*2}: Make sure to confirm that the brake warning light (yellow) does not illuminate. (If the brake warning light illuminates, refer to P.296.)

Steering

Free play	Less than 30 mm (1.2 in.)
-----------	---------------------------

Tires and wheels

► 16-inch tires

Tire size	205/55R16 91V
Tire inflation pressure (Recommended cold tire inflation pressure)	► Front 250 kPa (2.5 kgf/cm ² or bar, 36 psi) ► Rear 240 kPa (2.4 kgf/cm ² or bar, 35 psi)
Wheel size	16 × 7J
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

► 18-inch tires

Tire size	225/40R18 88W		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm ² or bar, psi)	Rear wheel kPa (kgf/cm ² or bar, psi)
	More than 160 km/h (100 mph)	260 (2.6, 38)	240 (2.4, 35)
	160 km/h (100 mph) or less	230 (2.3, 33)	210 (2.1, 30)

Wheel size	18 × 8J
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

► Compact spare tire (if equipped)

Tire size	T125/70D17 98M
Tire inflation pressure (Recommended cold tire inflation pressure)	420 kPa (4.2 kgf/cm ² or bar, 60 psi)
Wheel size	17 × 4T
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

■ When towing a trailer

Add 20.0 kPa (0.2 kgf/cm² or bar, 3 psi) to the recommended tire inflation pressure and drive at speeds below 100 km/h (62 mph).

Light bulbs

	Light bulbs	W	Type
Exterior	Rear turn signal lights	21	B
	Back-up light	16	A
Interior	Front interior lights/personal lights	5	A
	Vanity lights	8	A
	Rear interior light	8	C
	Trunk light	5	A

A: Wedge base bulbs (clear)

B: Wedge base bulbs (amber)

C: Double end bulbs

Fuel information

You must only use unleaded gasoline.

Select unleaded gasoline with a Research Octane Number of 91 or higher for optimum engine performance.

■ Use of ethanol blended gasoline in a gasoline engine

Toyota allows the use of ethanol blended gasoline where the ethanol content is up to 10%. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

■ If your engine knocks

- Consult your Toyota dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.



NOTICE

■ Notice on fuel quality

- Do not use improper fuels. If improper fuels are used, the engine will be damaged.
- Do not use gasoline with metallic additives, for example manganese, iron or lead, otherwise it may cause damage on your engine or emission control system.
- Do not add aftermarket fuel additives which contain metallic additives.
- Do not use the methanol blended gasoline such as M15, M85, M100. The use of gasoline containing methanol may cause engine damage or failure.

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. The settings of these features can be changed using the multi-information display, the multimedia system screen, or at your Toyota dealer.






Customizing vehicle features

■ Changing by using the multimedia system screen

- 1 Press the "MENU" button.
- 2 Select "Setup" on the "Menu" screen.
- 3 Select "Vehicle" on the "Setup" screen.

Various setting can be changed. Refer to the list of settings that can be changed for details.

■ Changing by using the meter control switches

- 1 Press  or  of the meter control switch to select .
- 2 Press  or  of the meter control switch to select the desired item to be customized.
- 3 Press or press and hold OK .

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



WARNING

■ 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.



NOTICE

■ During customization

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

Customizable features

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

- A** Settings that can be changed using the multimedia system screen
- B** Settings that can be changed using the meter control switches
- C** Settings that can be changed by your Toyota dealer

Definition of symbols: O = Available, — = Not available

■ **Gauges, meters and multi-information display (→P.56, 60, 64, 68)**

Function* ¹	Default setting	Customized setting	A	B	C
Language	English	French	—	O	—
		Spanish			
		Brazilian Portuguese			
Units	L/100km	km/L	—	O	—
Speedometer display* ²	Analog	Digital	—	O	—
Eco Driving Indicator Light* ³	On	Off	—	O	—
Fuel economy display	Total average (Average fuel consumption [after reset])	Trip average (Average fuel consumption [after start])	—	O	—
		Tank average (Average fuel consumption [after refuel])			
Audio system linked display	On	Off	—	O	—
Drive information type	After start	After reset	—	O	—
Drive information items (First item)	Distance	Average vehicle speed	—	O	—
		Elapsed time			
Drive information items (Second item)	Elapsed time	Average vehicle speed	—	O	—
		Distance			
Pop-up display	On	Off	—	O	—

*¹: For details about each function: →P.73

*²: 7-inch display

*³: If equipped

■ Head-up display* (→P.75)

Function	Default setting	Customized setting	A	B	C
Head-up display	On	Off	—	O	—
Gauge information	Tachometer	Eco Driving Indicator*	—	O	—
		No content	—	O	—
Route guidance to destination/street name*	On	Off	—	O	—
Driving support system display	On	Off	—	O	—
Compass*	On	Off	—	O	—
Audio system operation status	On	Off	—	O	—

*: If equipped

■ Door lock (→P.86, 90, 314)

Function	Default setting	Customized setting	A	B	C
Unlocking using a key	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two step	—	—	O
Locking/unlocking of the trunk when all doors are locked/unlocked	On	Off	—	—	O

■ Smart entry & start system* and wireless remote control (→P.86, 93)

Function	Default setting	Customized setting	A	B	C
Operating signal (Buzzers)*	5	Off	O	—	O
		1 to 7	O	—	O
Operation signal (Emergency flashers)	On	Off	O	—	O

Function	Default setting	Customized setting	A	B	C
Time elapsed before automatic door lock function is activated if door is not opened after being unlocked	30 seconds	60 seconds			
		120 seconds	—	—	O
Open door warning buzzer*	On	Off	—	—	O

*: If equipped

■ Smart entry & start system* (→P.86, 93)

Function	Default setting	Customized setting	A	B	C
Smart entry & start system	On	Off	O	—	O
Smart door unlocking	All the doors	Driver's door	O	—	O
Time elapsed before unlocking all the door when gripping and holding the driver's door handle	2.0 seconds	Off			
		1.5 seconds	—	—	O
		2.5 seconds			
Number of consecutive door lock operations	2 times	As many as desired	—	—	O

*: If equipped

■ Wireless remote control (→P.84, 86, 90)

Function	Default setting	Customized setting	A	B	C
Wireless remote control	On	Off	—	—	O
Unlocking operation	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two step	O	—	O
Trunk unlocking operation	Press and hold (short)	One short press			
		Push twice			
		Press and hold (long)	—	—	O
		Off			

■ Power windows and moon roof* (→P.107, 109)

Function	Default setting	Customized setting	A	B	C
Key linked operation	Off	On	—	—	O
Wireless remote control linked operation	Off	On	—	—	O
Wireless remote control linked operation signal (buzzer)*	On	Off	—	—	O

*: If equipped

■ Moon roof* (→P.109)

Function	Default setting	Customized setting	A	B	C
Linked operation of components when key is used	Slide only	Tilt only	—	—	O
Linked operation of components when wireless remote control is used	Slide only	Tilt only	—	—	O

*: If equipped

■ RCTA (Rear Cross Traffic Alert) function* (→P.215)

Function	Default setting	Customized setting	A	B	C
RCTA (Rear Cross Traffic Alert) function	On	Off	—	O	—
Buzzer volume	Level 2	Level 1	—	—	O
		Level 3			

*: If equipped

■ Automatic light control system (→P.146)

Function	Default setting	Customized setting	A	B	C
Light sensor sensitivity	Standard	-2 to 2	O	—	O
Time elapsed before headlights automatically turn off after doors are closed	30 seconds	Off	O	—	O
		60 seconds			
		90 seconds			

■ PCS (Pre-Collision System) (→P.162)

Function	Default setting	Customized setting	A	B	C
PCS (Pre-Collision System)	On	Off	—	O	—
Adjust alert timing	Middle	Early	—	O	—
		Late			

■ LTA (Lane Tracing Assist)* /LDA (Lane Departure Alert with steering control)* (→P.169, 179)

Function	Default setting	Customized setting	A	B	C
Lane centering function*	On	Off	—	O	—
Steering assist function	On	Off	—	O	—
Alert sensitivity	High	Standard	—	O	—
Vehicle sway warning function	On	Off	—	O	—
Vehicle sway warning sensitivity	Standard	High	—	O	—
		Low			

*: If equipped

■ RSA (Road Sign Assist) (→P.187)

Function	Default setting	Customized setting	A	B	C
RSA (Road Sign Assist)*	On	Off	—	O	—
Excess speed notification method	Display only	No notification	—	O	—
		Display and buzzer			
Excess speed notification level	1 km/h (1 mph)	3 km/h (2 mph)	—	O	—
		5 km/h (3 mph)			

*: RSA function becomes on when the engine switch is turned to ON.

■ Dynamic radar cruise control with full-speed range*/Dynamic radar cruise control* (→P.189, 200)

Function	Default setting	Customized setting	A	B	C
Dynamic Radar Cruise Control with Road Sign Assist	Off	On	—	O	—

*: If equipped

■ BSM (Blind Spot Monitor)* (→P.210)

Function	Default setting	Customized setting	A	B	C
BSM (Blind Spot Monitor)	On	Off	—	O	—
Outside rear view mirror indicator brightness	Bright	Dim	—	O	—
Alert timing for presence of approaching vehicle (sensitivity)	Intermediate	Early	—	O	—
		Late			
		Only when vehicle detected in blind spot			

*: If equipped

■ Automatic air conditioning system* (→P.234)

Function	Default setting	Customized setting	A	B	C
Switching between outside air and recirculated air mode linked to automatic mode switch operation	On	Off	O	—	O
A/C auto switch operation	On	Off	O	—	O

*: If equipped

■ Illumination (→P.240)

Function	Default setting	Customized setting	A	B	C
Time elapsed before the interior lights turn off	15 seconds	Off	O	—	O
		7.5 seconds			
		30 seconds			

Function	Default setting	Customized setting	A	B	C
Operation after the engine switch is turned off	On	Off	—	—	O
Operation when the doors are unlocked	On	Off	—	—	O
Operation when you approach the vehicle with the electronic key on your person*	On	Off	—	—	O
Cup holder lights* and center tray light*	On	Off	—	—	O
Door trim lights*	On	Off	—	—	O

*: If equipped

■ Vehicle customization

- When the smart entry & start system is off, smart door unlocking cannot be customized.
- When the doors remain closed after unlocking the doors and the automatic door lock function is activated, the signals will be generated in accordance with the operation signal (buzzer) and the operation signal (emergency flashers) settings.

■ In the following situations, customize mode in which the settings can be changed through the multi-information display will automatically be turned off

- The engine switch is turned off.
- The vehicle begins to move while the customize mode screen is displayed.

Index

What to do if... (Troubleshooting)	342
Alphabetical Index	345

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.314)
- If you lose your keys or electronic keys, the risk of vehicle theft increases significantly. Contact your Toyota dealer immediately. (→P.314)



The doors cannot be locked or unlocked

- Is the key battery weak or depleted? (→P.278)
- Vehicles with a smart entry & start system: Is the engine switch in ON?

When locking the doors, turn the engine switch off. (→P.131)

- 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.84, 95)



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.90)



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.91)

If you think something is wrong



The engine does not start (vehicles without a smart entry & start system)

- Continuously variable transmission: Is the shift lever in P? (→P.128)
- Manual transmission: Do you turn the key with the clutch pedal depressed firmly? (→P.128)
- Is the steering wheel unlocked?

(→P.128)

- Is the battery discharged?
(→P.316)



**The engine does not start
(vehicles with a smart entry
& start system)**

- Continuously variable transmission: Did you press the engine switch while firmly depressing the brake pedal? (→P.129)
- Manual transmission: Did you press the engine switch while firmly depressing the clutch pedal? (→P.129)
- Continuously variable transmission: Is the shift lever in P? (→P.129)
- Is the electronic key anywhere detectable inside the vehicle? (→P.94)
- Is the steering wheel unlocked? (→P.130)
- Is the electronic key battery weak or depleted?

In this case, the engine can be started in a temporary way. (→P.315)

- Is the battery discharged?
(→P.316)



**The shift lever cannot be
shifted from P even if you
depress the brake pedal
(continuously variable trans-
mission)**

- Is the engine switch in ON?

If you cannot release the shift lever by depressing the brake pedal with the engine switch in ON. (→P.135)



**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.128)
- Vehicles with a smart entry & start system: It is locked automatically to prevent theft of the vehicle. (→P.130)



**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.109)



**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 ACC or ON (the engine is not running) for a period of time. (→P.132)



A warning buzzer sounds during driving

- The seat belt reminder light is flashing

Are the driver and the passenger wearing the seat belts? (→P.299, 299)

- The parking brake indicator is on

Is the parking brake released?
(→P.140)

Depending on the situation, other types of warning buzzer may also sound. (→P.296, 302)



A warning buzzer sounds when leaving the vehicle (vehicles with a smart entry & start system)

- Is the electronic key left inside the vehicle?

Check the message on the multi-information display. (→P.302)



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.296, 302.

When a problem has occurred



If you have a flat tire

- Stop the vehicle in a safe place

and replace the flat tire with the spare tire. (→P.304)



The vehicle becomes stuck

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P.322)

Alphabetical Index

A

A/C

- Air conditioning filter.....276
- Automatic air conditioning system
.....234
- Manual air conditioning system..230

ABS (Anti-lock Brake System)221

- Warning light297

ACA (Active Cornering Assist)....221

Active Cornering Assist (ACA)....221

Air conditioning filter276

Air conditioning system

- Air conditioning filter.....276
- Automatic air conditioning system
.....234
- Manual air conditioning system..230

Airbags

- Airbag operating conditions31
- Airbag precautions for your child .33
- Correct driving posture.....23
- Curtain shield airbag operating conditions31
- Curtain shield airbag precautions 33
- General airbag precautions.....33
- Locations of airbags.....29
- Modification and disposal of airbags
.....35
- Side airbag operating conditions..31
- Side airbag precautions33
- Side and curtain shield airbags operating conditions.....31
- Side and curtain shield airbags precautions33
- SRS airbags.....29
- SRS warning light297

Alarm

- Warning buzzer296

Anchor fittings.....47

Antennas (smart entry & start system).....93

Anti-lock Brake System (ABS)221

- Warning light297

Approach warning195, 206

Armrest.....251

Assist grips252

Audio system-linked display72

Automatic air conditioning system

-234

Automatic High Beam148

Automatic light control system...146

Average fuel economy70

Average vehicle speed72

B

Back-up light

- Replacing light bulbs285
- Wattage330

Battery

- Battery checking.....269
- If the battery is discharged316
- Preparing and checking before winter226
- Replacing318
- Warning light296

Blind Spot Monitor (BSM)210

Bottle holders.....243

Brake

- Brake hold143
- Fluid328
- Parking brake140
- Warning light296

Brake assist.....221

Break-in tips116

BSM (Blind Spot Monitor)210

C

Care

- Exterior.....254
- Interior257
- Seat belts257
- Wheels and wheel ornaments....254

Chains.....227

Child restraint system

- Points to remember.....39
- Riding with children38

Child safety

- Airbag precautions33

Battery precautions	270, 319
Child restraint system	39
How your child should wear the seat belt	26
Installing child restraints	39
Moon roof precautions	111
Power window lock switch	109
Power window precautions	108
Rear door child-protectors	90
Removed electronic key battery precautions	280
Seat belt precautions	38
Seat heater precautions	238
Trunk precautions	90
Child-protectors.....	90
Cleaning	
Exterior.....	254
Interior.....	257
Radar sensor	158
Seat belts.....	257
Wheels and wheel ornaments....	254
Clock.....	60, 62, 64, 67
Coat hooks	252
Condenser.....	269
Console box	244
Consumption screen.....	79
Continuously variable transmission	133
If the shift lever cannot be shifted from P	135
M mode	136
Paddle shift switches	135, 136
Cooling system.....	268
Engine overheating	320
Cruise control	
Dynamic radar cruise control	200
Dynamic radar cruise control with full-speed range	189
Cup holders	243
Current fuel consumption.....	70
Curtain shield airbags.....	29
Customizable features	332

D

Daytime running light system146**Defogger**

Outside rear view mirrors ...	231, 235
Rear window	231, 235
Windshield.....	231, 235

Dimensions324**Display**

Dynamic radar cruise control	200
Dynamic radar cruise control with full-speed range	189
Head-up display	75
LDA (Lane Departure Alert with steering control)	183
LTA (Lane Tracing Assist).....	175
Multi-information display	218
RCTA.....	215
Warning message	302

Display change button61, 66**Do-it-yourself maintenance**260**Door lock**

Doors.....	86
Key	87
Smart entry & start system.....	93
Wireless remote control	84

Doors

Door glasses	107
Door lock	86
Open door warning buzzer.....	88, 90
Outside rear view mirrors	105
Rear door child-protectors.....	90
Side doors.....	86

Drive distance72**Drive information**72**Drive-start control.....**116**Driving**

Break-in tips	116
Correct driving posture.....	23
Driving mode select switch.....	220
Procedures.....	114
Winter drive tips	226

Driving information display70**Driving range.....**70, 71

Driving support system information display	72
Dynamic radar cruise control	200
Warning message	209
Dynamic radar cruise control with full-speed range	189
Warning message	198

E

Eco Driving Indicator	71, 78
Eco Driving Indicator Light	71
EDR (Event data recorder)	6
Elapsed time	72
Electric Power Steering (EPS)	221
Warning light	298
Electronic key	82
Battery-saving function	94
If the electronic key does not operate properly	314
Replacing the battery	278
Emergency brake signal	221
Emergency flashers	
Emergency brake signal	221
Emergency, in case of	
If a warning buzzer sounds	296
If a warning light turns on	296
If a warning message is displayed	302
If the battery is discharged	316
If the electronic key does not operate properly	314
If the engine will not start	312
If the vehicle is trapped in rising water	290
If you have a flat tire	304
If you lose your keys	314
If you think something is wrong	294
If your vehicle becomes stuck	322
If your vehicle has to be stopped in an emergency	288
If your vehicle needs to be towed	291
If your vehicle overheats	320

Engine

Compartment	266
Engine switch	128, 129
Fuel pump shut off system	295
Hood	263
How to start the engine	128, 129
Identification number	324
If the engine will not start	312
If your vehicle has to be stopped in an emergency	288
Ignition switch (engine switch)	128, 129
Overheating	320
Tachometer	60, 64
Engine coolant	
Capacity	327
Checking	268
Preparing and checking before winter	226
Engine coolant temperature gauge	60, 64
Engine immobilizer system	54
Engine oil	
Capacity	325
Checking	266
Preparing and checking before winter	226
Warning light	297
Engine switch	128, 129
Auto power off function	132
Changing the engine switch modes	131
If your vehicle has to be stopped in an emergency	288
EPS (Electric Power Steering)	221
Warning light	298
Event data recorder (EDR)	6

F

Flat tire

Vehicles with a spare tire	304
----------------------------------	-----

Floor mats	22
-------------------------	----

Fluid

Brake	328
-------------	-----

Clutch	328
Continuously variable transmission	327
Washer	271
Fog light	
Replacing light bulbs	284
Switch	151
Fog lights	151
Front position lights	
Light switch	146
Replacing light bulbs	284
Front seats	
Adjustment	98
Cleaning	257
Correct driving posture	23
Head restraints	101
Seat heaters	238
Front turn signal lights	
Replacing light bulbs	284
Turn signal lever	140
Fuel	
Capacity	325
Fuel gauge	60, 64
Fuel pump shut off system	295
Information	331
Refueling	155
Type	325
Warning light	298
Fuel consumption	
Average fuel economy	70
Current fuel consumption	70
Fuel economy	70
Fuel filler door	
Refueling	155
Fuel gauge	60, 64
Fuel pump shut off system	295
Fuses	281

G

Gauges	60, 64
Glove box	243
Glove box light	243

H

Head restraints	101
Headlights	
Automatic High Beam system	148
Light switch	146
Headlights/daytime running lights	
Replacing light bulbs	284
Head-up display	75
Driving information display area...	75
Driving support system display area	77
Eco Driving Indicator	78
Navigation system-linked display ..	75
Pop-up display	77
Settings	76
Heaters	
Automatic air conditioning system	234
Manual air conditioning system ..	230
Outside rear view mirrors ...	231, 235
Seat heaters	238
High mounted spotlight	
Replacing light bulbs	284
Hill-start assist control	221
Hood	
Open	263
Hooks	
Coat hooks	252
Retaining hooks (floor mat)	22
Horn	103

I

Identification	
Engine	324
Vehicle	324
Ignition switch (engine switch) ..	128, 129
Auto power off function	132
Changing the engine switch modes	131
If your vehicle has to be stopped in an emergency	288
Illuminated entry system	241

Indicators	58
Initialization	
Power windows	107
Inside rear view mirror	104
Interior lights	240
Front interior light	240
Rear interior light	240
Wattage	330

J

Jack	
Positioning a floor jack	264
Vehicle-equipped jack	305
Jack handle	305
Jam protection function	
Moon roof	110
Power windows	107

K

Keyless entry	
Smart entry & start system	93
Wireless remote control	84
Keys	
Battery-saving function	94
Electronic key	82
Engine switch	128, 129
If the electronic key does not operate properly	314
If you lose your keys	314
Key number plate	82
Keyless entry	86, 93
Mechanical key	82
Replacing the battery	278
Warning buzzer	94
Wireless remote control	84
Knee airbags	29

L

Lane Departure Alert with steering control (LDA)	
Operation	179
Warning messages	186

Lane Tracing Assist (LTA)	
Operation	169
Warning messages	178
Language (multi-information display)	73
LDA (Lane Departure Alert with steering control)	
Operation	179
Warning messages	186
LDA (Lane Departure Alert with steering control) switch	183
Lever	
Auxiliary catch lever	263
Hood lock release lever	263
Internal trunk release lever	92
Shift lever	133, 137
Turn signal lever	140
Wiper lever	151
License plate lights	
Light switch	146
Replacing light bulbs	284
Light bulbs	
Replacing	283
Lights	
Automatic High Beam system	148
Front interior lights	240
Headlight switch	146
Interior lights	240
Interior lights list	240
Personal lights	241
Rear interior light	240
Replacing light bulbs	284
Trunk light	92
Turn signal lever	140
Vanity lights	251
Wattage	330
Lock steering column	128, 130
LTA (Lane Tracing Assist)	
Operation	169
Warning messages	178

M

Maintenance	
Do-it-yourself maintenance	262

Maintenance data	324
Maintenance requirements	260
Malfunction indicator lamp.....	297
Manual air conditioning system..	230
Manual headlight leveling dial.....	147
Manual transmission.....	137
iMT	138
Menu icons.....	69
Meter	
Clock.....	60, 64
Indicators	58
Meter control switches	69
Meters	60, 64
Multi-information display	68
Settings	73
Warning lights	296
Warning message	302
Mirrors	
Inside rear view mirror	104
Outside rear view mirror defoggers	231, 235
Outside rear view mirrors.....	105
Vanity mirrors	251
Moon roof	
Door lock linked moon roof operation	110
Jam protection function.....	110
Operation	109
Multi-information display	
Audio system-linked display.....	72
Clock.....	62, 67
Driving information display.....	70
Driving support system information display	72
Dynamic radar cruise control	200
Dynamic radar cruise control with full-speed range.....	189
Eco Driving Indicator.....	71
Fuel economy	70
LDA (Lane Departure Alert with steering control).....	183
LTA (Lane Tracing Assist)	175
Menu icons.....	69
Meter control switches	69
Navigation system-linked display. 72	

Settings	73
Vehicle information display.....	72
Warning message	302

N

Navigation system-linked display	72, 75
---	---------------

O

Odometer.....	61, 66
Odometer and trip meter display	
Display change button.....	61, 66
Display items.....	61, 66
Oil	
Engine oil	325
Manual transmission	328
Open tray.....	244
Opener	
Fuel filler door	155
Hood.....	263
Trunk	91
Outside rear view mirrors	
Adjustment	105
BSM (Blind Spot Monitor)	210
Folding	106
Outside rear view mirror defoggers	231, 235
RCTA function	215
Outside temperature.....	60, 64
Overheating.....	320

P

Paddle shift switches	135, 136
Parking brake	
Operation	140
Parking brake engaged warning buzzer	142
Warning light	301
Warning message	142
PCS (Pre-Collision System)	
Function	162
PCS OFF switch.....	164

Warning light	300
Personal lights.....	240
Wattage	330
Power outlet.....	246
Power steering (Electric power steering system).....	221
Warning light	298
Power windows	
Door lock linked window operation	108
Jam protection function.....	107
Operation	107
Window lock switch.....	109
Pre-Collision System (PCS)	
Function	162
PCS OFF switch	164
Warning light	300

R

Radar cruise control	200
Radar cruise control (dynamic radar cruise control with full-speed range)	189
Radiator	269
RCTA	
Function	215
Warning light	300
Warning message	216
RCTA function.....	217
Rear Cross Traffic Alert (RCTA) ..	215
Rear fog light	151
Replacing light bulbs.....	284
Switch	151
Rear seats	99
Head restraints.....	101
Rear turn signal lights	
Replacing light bulbs.....	284
Turn signal lever	140
Wattage.....	330
Rear view mirror	
Inside rear view mirror	104
Outside rear view mirrors.....	105
Rear window defogger	231, 235

Refueling	
Capacity	325
Fuel types.....	325
Opening the fuel tank cap	155
Replacing	
Electronic key battery	278
Fuses	281
Light bulbs.....	283
Tires	304
Wireless remote control battery ..	278
Road Sign Assist	187
RSA (Road Sign Assist)	187

S

Seat belt reminder light.....	299
Seat belts.....	25
Adjusting the seat belt	27
Child restraint system installation..	39
Cleaning and maintaining the seat belt	257
Emergency Locking Retractor	26
How to wear your seat belt.....	26
How your child should wear the seat belt	26
Pregnant women, proper seat belt use	25
Reminder light and buzzer	299
Seat belt pretensioners	27
SRS warning light.....	297
Seat heaters	238
Seats	
Adjustment	98
Adjustment precautions.....	98
Child seats/child restraint system installation.....	39
Cleaning	257
Head restraints.....	101
Properly sitting in the seat.....	23
Seat heaters.....	238
Secondary Collision Brake	221
Sensor	
Automatic headlight system	146
Automatic High Beam system	148
BSM (Blind Spot Monitor)	210

Inside rear view mirror	105
LDA (Lane Departure Alert with steering control)	179
LTA (Lane Tracing Assist)	169
Radar sensor	157, 211
Rain-sensing windshield wipers	153
RCTA	216
Shift lever	
Continuously variable transmission	133
Manual transmission	137
Shift lock system	135
Side airbags	29
Side mirrors	
Adjustment	105
BSM (Blind Spot Monitor)	210
Folding	106
RCTA function	215
Side turn signal lights	
Replacing light bulbs	284
Turn signal lever	140
Side windows	107
Smart entry & start system	
Antenna location	93
Entry functions	86
Starting the engine	129
Snow tires	226
Spare tire	304
Inflation pressure	329
Storage location	305
Spark plug	327
Specifications	324
Speedometer	60, 64
Steering lock	
Column lock release	128, 130
Steering lock system warning message	130
Steering wheel	
Adjustment	103
Meter control switches	69
Stop lights	
Replacing light bulbs	284
Storage features	242
Stuck	
If the vehicle becomes stuck	322

Sun visors	251
Sunshade	
Roof	110
Switches	
Automatic High Beam system	148
Brake Hold switch	143
Display change button	61, 66
Door lock switches	89
Driving mode select switch	220
Dynamic radar cruise control switch	200
Dynamic radar cruise control with full-speed range switch	189
Emergency flashers switch	288
Engine switch	128, 129
Ignition switch	128, 129
Light switches	146
LTA (Lane Tracing Assist) switch	174
Meter control switches	69
Moon roof switches	109
Outside rear view mirror switches	105
Paddle shift switches	135, 136
Parking brake switch	140
PCS OFF switch	164
Power door lock switch	89
Power window switches	107
Rear window and outside rear view mirror defoggers switch	234
Seat heater switches	238
Vehicle-to-vehicle distance switch	189, 200
VSC OFF switch	222
Window lock switch	109
Windshield wiper and washer switch	151

T

Tachometer	60, 64
Tail lights	
Light switch	146
Replacing light bulbs	284
Theft deterrent system	
Engine immobilizer system	54

Tire inflation pressure.....274

Maintenance data 329

Tires

Chains.....227

Checking272

If you have a flat tire..... 304

Inflation pressure 274

Replacing.....304

Rotating tires.....273

Size329

Snow tires226

Spare tire 304

Tools305

Towing

Emergency towing 291

Towing eyelet293

Trailer towing 122

Toyota Safety Sense

Automatic High Beam 148

Dynamic radar cruise control 200

Dynamic radar cruise control with
full-speed range..... 189

LDA (Lane Departure Alert with
steering control)..... 179

LTA (Lane Tracing Assist) 169

PCS (Pre-Collision System)..... 162

RSA (Road Sign Assist) 187

Traction Control (TRC).....221

Trailer towing 122

Transmission

Continuously variable transmission
..... 133

Driving mode select switch220

iMT138

M mode136

Manual transmission137

Paddle shift switches 135, 136

TRC (Traction Control).....221

Trip meters 61, 66

Trunk.....90

Internal trunk release lever92

Smart entry & start system.....91

Trunk light92

Trunk opener.....91

Wireless remote control92

Trunk features245

Trunk light92

Wattage330

Turn signal lights

Replacing light bulbs284

Turn signal lever..... 140

Wattage330

U

USB charging port.....246

V

Vanity lights.....251

Wattage330

Vanity mirrors.....251

Vehicle data recording6

Vehicle identification number.....324

Vehicle information display72

Vehicle Stability Control (VSC)....221

VSC (Vehicle Stability Control)....221

W

Warning buzzers

ABS297

Airbags297

Approach warning 195, 206

Brake hold301

Brake Override System298

Brake system296

Charging system296

Downshifting..... 137

Drive-Start Control298

Electric power steering.....298

Engine297

High coolant temperature.....296

Key reminder..... 129

LDA (Lane Departure Alert with
steering control) 179, 299

Low engine oil pressure297

LTA (Lane Tracing Assist) ... 169, 299

Open door88, 90

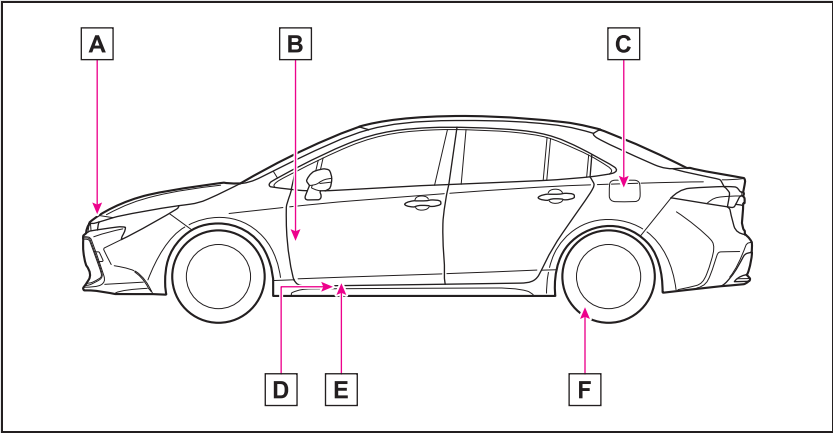
RCTA (Rear Cross Traffic Alert) .300

Seat belt.....	299
Warning lights.....	296
ABS.....	297
Brake hold operated indicator	301
Brake Override System.....	298
Brake system	296
Charging system	296
Drive-Start Control	298
Electric power steering.....	298
High coolant temperature.....	296
iMT indicator	301
LDA indicator.....	299
Low engine oil pressure	297
Low fuel level	298
LTA indicator	299
Malfunction indicator lamp	297
Parking brake indicator	301
Pre-collision system	300
RCTA OFF indicator	300
Seat belt reminder light.....	299
Slip indicator	300
SRS.....	297
Warning messages.....	302
Washer	
Checking	271
Preparing and checking before winter	226
Switch	151
Washing and waxing	254
Wheels	275
Replacing.....	275
Size.....	329
Window lock switch	109
Windows	
Power windows	107
Rear window defogger	231, 235
Washer.....	151
Windshield wipers	151
Winter driving tips	226
Wireless charger.....	247
Wireless remote control	
Battery-Saving Function.....	94
Locking/Unlocking.....	84
Replacing the battery	278

For information regarding the equipment listed below, refer to “Navigation and Multimedia System Owner’s Manual”.

- Navigation system
- Audio/visual system
- Rear view monitor system
- Toyota Link

GAS STATION INFORMATION



- A** Auxiliary catch lever (→P.263)
- B** Hood lock release lever (→P.263)
- C** Fuel filler door (→P.156)
- D** Trunk opener (→P.91)
- E** Fuel filler door opener (→P.156)
- F** Tire inflation pressure (→P.329)

Fuel tank capacity (Reference)	50.0 L (13.2 gal., 11.0 Imp. gal.)	
Fuel type	Unleaded gasoline only	P.325 P.331
Cold tire inflation pres- sure		P.329
Engine oil capacity (Drain and refill — ref- erence)		P.325
Engine oil type	"Toyota Genuine Motor Oil" or equivalent	P.325

