



# Owner's Manual

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

# HIGHLANDER HYBRID



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## Pictorial index

Search by illustration

<b>For safety and security</b>	Make sure to read through them (Main topics: Child seat, theft deterrent system)	1
<b>Vehicle status information and indicators</b>	Reading driving-related information (Main topics: Meters, multi-information display)	2
<b>Before driving</b>	Opening and closing the doors and windows, adjustment before driving (Main topics: Keys, doors, seats, power windows)	3
<b>Driving</b>	Operations and advice which are necessary for driving (Main topics: Starting hybrid system, refueling)	4
<b>Interior features</b>	Usage of the interior features (Main topics: Air conditioner, storage features)	5
<b>Maintenance and care</b>	Caring for your vehicle and maintenance procedures (Main topics: Interior and exterior, light bulbs)	6
<b>When trouble arises</b>	What to do in case of malfunction and emergency (Main topics: 12-volt battery discharge, flat tire)	7
<b>Vehicle specifications</b>	Vehicle specifications, customizable features (Main topics: Fuel, oil, tire inflation pressure)	8

## Index

Search by symptom

Search alphabetically

## 2 TABLE OF CONTENTS

For your information .....	5
Reading this manual.....	9
How to search .....	10
Pictorial index .....	11
<b>1 For safety and security</b>	
<b>1-1. For safe use</b>	
Before driving.....	22
For safe driving .....	23
Seat belts .....	25
SRS airbags.....	29
Exhaust gas precautions .....	36
<b>1-2. Child safety</b>	
Riding with children.....	37
Child restraint systems .....	38
<b>1-3. Hybrid system</b>	
Hybrid system features .....	52
Hybrid system precautions ...	55
<b>1-4. Theft deterrent system</b>	
Immobilizer system .....	59
Alarm .....	60
<b>2 Vehicle status information and indicators</b>	
<b>2-1. Instrument cluster</b>	
Warning lights and indicators .....	64
Gauges and meters .....	69
Multi-information display (4.2-inch display) .....	72
Multi-information display (7-inch display) .....	81
Head-up display .....	91
Energy monitor/consumption screen.....	96
<b>3 Before driving</b>	
<b>3-1. Key information</b>	
Keys.....	106
<b>3-2. Opening, closing and locking the doors</b>	
Side doors.....	109
Back door.....	113
Smart entry & start system .....	121
<b>3-3. Adjusting the seats</b>	
Front seats.....	125
Rear seats .....	126
Driving position memory .....	131
Head restraints .....	133
<b>3-4. Adjusting the steering wheel and mirrors</b>	
Steering wheel .....	136
Inside rear view mirror .....	137
Outside rear view mirrors....	138
<b>3-5. Opening, closing the windows and moon roof</b>	
Power windows.....	141
Moon roof.....	144
Panoramic moon roof .....	147
<b>4 Driving</b>	
<b>4-1. Before driving</b>	
Driving the vehicle .....	152
Cargo and luggage .....	158
Trailer towing .....	159
<b>4-2. Driving procedures</b>	
Power (ignition) switch.....	160
EV drive mode .....	164
Hybrid transmission .....	166

## TABLE OF CONTENTS

**3**

Turn signal lever ..... <b>169</b> Parking brake ..... <b>169</b> Brake Hold ..... <b>172</b> <b>4-3. Operating the lights and wipers</b> Headlight switch ..... <b>175</b> Automatic High Beam ..... <b>178</b> Fog light switch ..... <b>180</b> Windshield wipers and washer ..... <b>181</b> Rear windshield wiper and washer ..... <b>184</b> <b>4-4. Refueling</b> Opening the fuel tank cap ..... <b>185</b> <b>4-5. Using the driving support systems</b> Toyota Safety Sense ..... <b>187</b> PCS (Pre-Collision System) ..... <b>192</b> LTA (Lane Tracing Assist) ..... <b>200</b> LDA (Lane Departure Alert with steering control) ..... <b>210</b> Dynamic radar cruise control with full-speed range ..... <b>218</b> Dynamic radar cruise control ..... <b>228</b> Cruise control ..... <b>237</b> BSM (Blind Spot Monitor) ..... <b>239</b> Toyota parking assist-sensor ..... <b>244</b> RCTA (Rear Cross Traffic Alert) function ..... <b>251</b> Driving mode select switch ..... <b>256</b> Trail Mode ..... <b>257</b> Driving assist systems ..... <b>258</b>	<b>4-6. Driving tips</b> Hybrid vehicle driving tips ..... <b>264</b> Winter driving tips ..... <b>266</b> Utility vehicle precautions ..... <b>268</b>	
<b>5 Interior features</b>		
<b>5-1. Using the air conditioning system and defogger</b> Front automatic air conditioning system ..... <b>272</b> Rear automatic air conditioning system ..... <b>278</b> Seat heaters/seat ventilators ..... <b>281</b>		
<b>5-2. Using the interior lights</b> Interior lights list ..... <b>283</b>		
<b>5-3. Using the storage features</b> List of storage features ..... <b>286</b> Luggage compartment features ..... <b>290</b>		
<b>5-4. Using the other interior features</b> Other interior features ..... <b>294</b> Compass ..... <b>298</b>		
<b>6 Maintenance and care</b>		
<b>6-1. Maintenance and care</b> Cleaning and protecting the vehicle exterior ..... <b>302</b> Cleaning and protecting the vehicle interior ..... <b>305</b>		
<b>6-2. Maintenance</b> Maintenance requirements ..... <b>307</b> Scheduled maintenance ..... <b>309</b>		

## 4 TABLE OF CONTENTS

<b>6-3. Do-it-yourself maintenance</b>	
Do-it-yourself service precautions .....	<b>315</b>
Hood .....	<b>317</b>
Positioning a floor jack .....	<b>318</b>
Engine compartment .....	<b>319</b>
12-volt battery .....	<b>325</b>
Tires .....	<b>328</b>
Tire inflation pressure .....	<b>338</b>
Wheels .....	<b>339</b>
Air conditioning filter .....	<b>340</b>
Cleaning the hybrid battery (traction battery) air intake vents and filter .....	<b>342</b>
Electronic key battery .....	<b>345</b>
Checking and replacing fuses .....	<b>346</b>
Light bulbs .....	<b>349</b>
<b>7 When trouble arises</b>	
<b>7-1. Essential information</b>	
Emergency flashers .....	<b>360</b>
If your vehicle has to be stopped in an emergency .....	<b>360</b>
If the vehicle is trapped in rising water .....	<b>361</b>
<b>7-2. Steps to take in an emergency</b>	
If your vehicle needs to be towed .....	<b>363</b>
If you think something is wrong .....	<b>367</b>
If a warning light turns on or a warning buzzer sounds .....	<b>369</b>
If a warning message is displayed .....	<b>377</b>
If you have a flat tire .....	<b>381</b>
If the hybrid system will not start .....	<b>392</b>
If you lose your keys .....	<b>394</b>
If the fuel filler door cannot be opened .....	<b>394</b>
If the electronic key does not operate properly .....	<b>395</b>
If the 12-volt battery is discharged .....	<b>397</b>
If your vehicle overheats .....	<b>403</b>
If the vehicle becomes stuck .....	<b>406</b>

## 8 Vehicle specifications

<b>8-1. Specifications</b>	
Maintenance data (fuel, oil level, etc.) .....	<b>408</b>
Fuel information .....	<b>417</b>
<b>8-2. Customization</b>	
Customizable features .....	<b>418</b>
<b>8-3. Initialization</b>	
Items to initialize .....	<b>428</b>

## Index

What to do if... (Troubleshooting) .....	<b>430</b>
Alphabetical Index .....	<b>433</b>

## For your information

### Main Owner's Manual

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

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

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

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

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

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

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

### Installation of an RF-transmitter system

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

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

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

Further information regarding frequency bands, power levels, antenna positions and installation

provisions for the installation of RF-transmitters, is available on request at your Toyota dealer.

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

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

### **Vehicle data recording**

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

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

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

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 depend-

ing on the severity and type of a crash.

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

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

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

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

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

- Disclosure of the EDR data

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

- An agreement from the vehicle's owner (or the lessee for a leased vehicle) is obtained
  - In response to an official request by the police, a court of law or a government agency
  - For use by Toyota in a lawsuit
- However, if necessary, Toyota may:
- Use the data for research on vehicle safety performance
  - Disclose the data to a third party for research purposes without disclosing information about the specific vehicle or vehicle owner

### Scrappling of your Toyota

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

**⚠ WARNING****■ General precautions while driving**

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

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

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

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

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

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

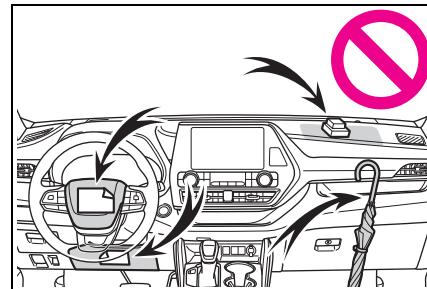
## Reading this manual

**Explains symbols used in this manual.**

## Symbols in this manual

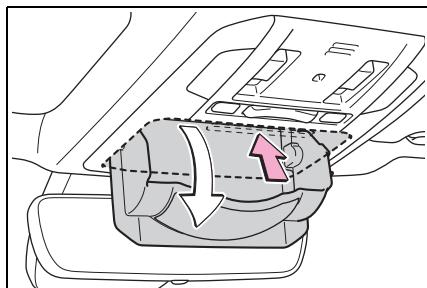
Symbols	Meanings
	<b>WARNING:</b> Explains something that, if not obeyed, could cause death or serious injury to people.
	<b>NOTICE:</b> Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
1 2 3 ...	Indicates operating or working procedures.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

Symbols	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 <b>Do not, Do not do this, or Do not let this happen.</b>

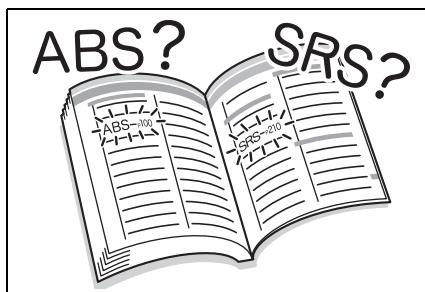
## Symbols in illustrations



### How to search

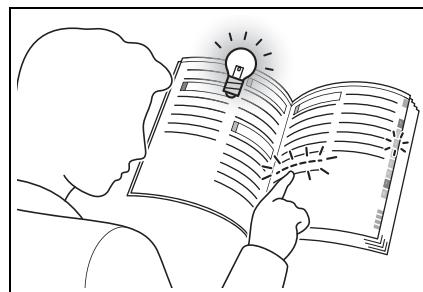
#### ■ Searching by name

- Alphabetical index: →P.433



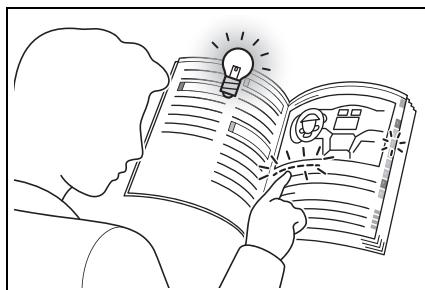
#### ■ Searching by title

- Table of contents: →P.2



#### ■ Searching by installation position

- Pictorial index: →P.11



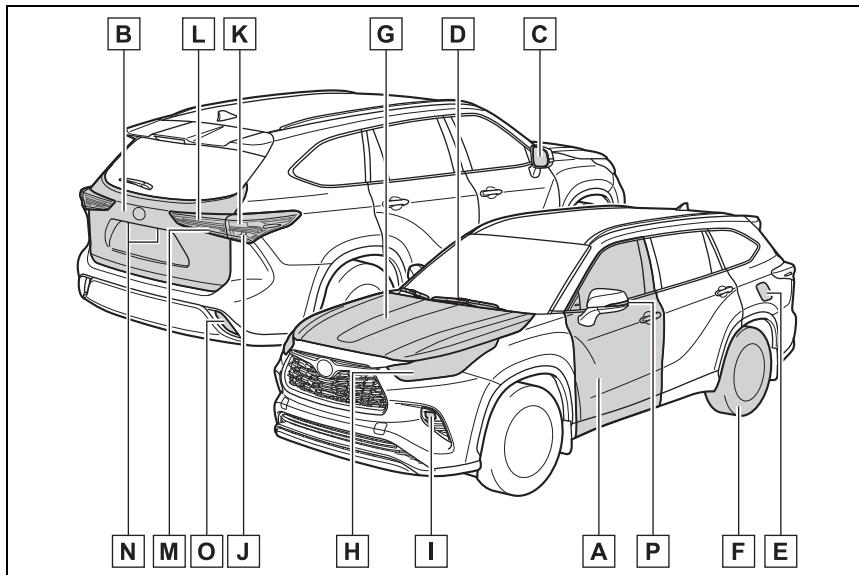
#### ■ Searching by symptom or sound

- What to do if... (Troubleshooting): →P.430



## Pictorial index

### ■Exterior



<b>A Side doors .....</b>	<b>P.109</b>
Locking/unlocking .....	P.109
Opening/closing the side windows.....	P.141
Locking/unlocking by using the mechanical key .....	P.395
Warning lights/warning messages .....	P.369, 377
<b>B Back door .....</b>	<b>P.113</b>
Opening from inside the cabin* .....	P.116
Opening from outside.....	P.116
Warning lights/warning messages .....	P.369, 377
<b>C Outside rear view mirrors .....</b>	<b>P.138</b>
Adjusting the mirror angle .....	P.138
Folding the mirrors .....	P.139
Driving position memory* .....	P.131
Defogging the mirrors .....	P.274
<b>D Windshield wipers .....</b>	<b>P.181</b>
Precautions for winter season.....	P.266

## 12 Pictorial index

Precautions for car wash\* .....P.303

**E** Fuel filler door .....P.185

Refueling method .....P.185

Fuel type/fuel tank capacity .....P.411

**F** Tires .....P.328

Tire size/inflation pressure .....P.328, 415

Winter tires/tire chains .....P.266

Checking/rotation/tire pressure warning system .....P.328

Coping with flat tires .....P.381

**G** Hood .....P.317

Opening .....P.317

Engine oil .....P.411

Coping with overheating .....P.403

Warning messages .....P.377

### Light bulbs of the exterior lights for driving

(Replacing method: P.349, Watts: P.416)

**H** Headlights/front position lights/daytime running lights/front turn signal lightsP.169, 175

**I** Front fog lights .....P.180

**J** Rear turn signal lights .....P.169

**K** Stop/tail lights .....P.175

Emergency brake signal .....P.259

**L** Tail lights .....P.175

**M** Back-up lights

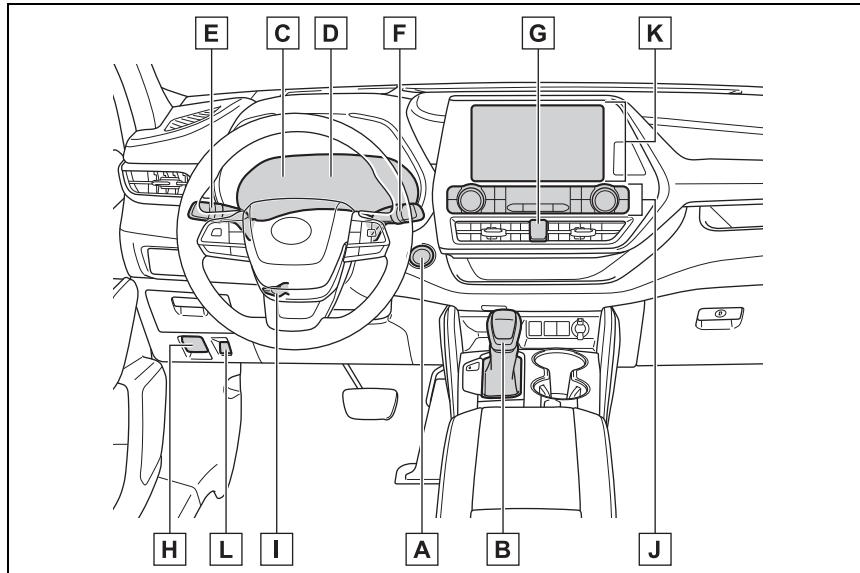
Shifting the shift lever to R .....P.166

**N** License plate lights .....P.175

**O** Rear fog lights .....P.180

**P** Side turn signal lights .....P.169

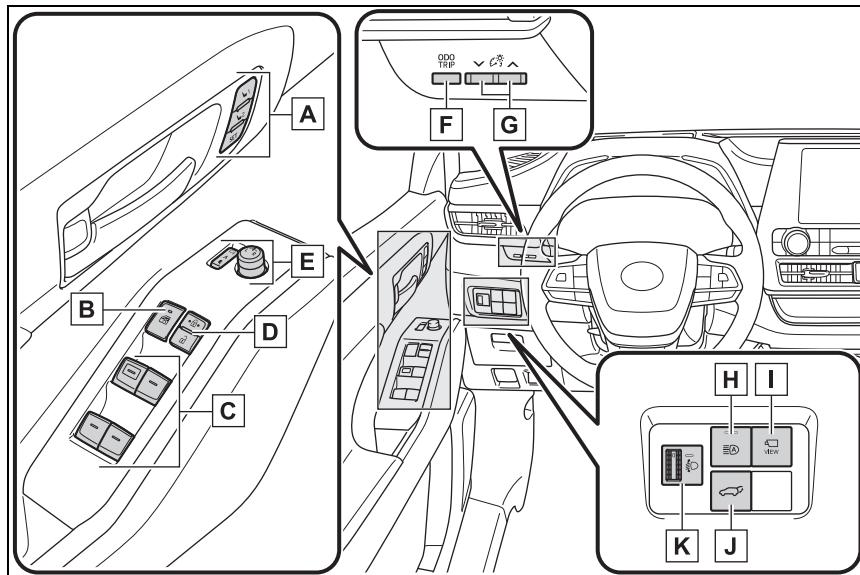
\*: If equipped

**■Instrument panel**

<b>A</b>	<b>Power switch</b> .....P.160
	Starting the hybrid system/changing the modes .....P.160
	Emergency stop of the hybrid system .....P.360
	When the hybrid system will not start .....P.392
	Warning messages .....P.377
<b>B</b>	<b>Shift lever</b> .....P.166
	Changing the shift position .....P.166
	Precautions for towing .....P.363
	When the shift lever does not move .....P.167
<b>C</b>	<b>Meters</b> .....P.69
	Reading the meters/adjusting the instrument panel light .....P.69, 71
	Warning lights/indicator lights .....P.64
	When a warning light turns on .....P.369
<b>D</b>	<b>Multi-information display</b> .....P.72, 81
	Display .....P.72, 81
	Energy monitor .....P.96

When the warning messages are displayed .....	P.377
<b>E</b> Turn signal lever .....	<b>P.169</b>
Headlight switch .....	P.175
Headlights/front position lights/tail lights/license plate lights/daytime running lights.....	P.175
Front fog lights/rear fog lights .....	P.180
<b>F</b> Windshield wiper and washer switch .....	<b>P.181, 184</b>
Usage.....	P.181, 184
Adding washer fluid.....	P.323
Warning messages .....	P.377
<b>G</b> Emergency flasher switch.....	<b>P.360</b>
<b>H</b> Hood lock release lever .....	<b>P.317</b>
<b>I</b> Tilt and telescopic steering lock release lever.....	<b>P.136</b>
Adjustment .....	P.136
<b>J</b> Air conditioning system .....	<b>P.272</b>
Usage.....	P.272
Rear window defogger .....	P.274
<b>K</b> Audio system*	
<b>L</b> Fuel filler door opener switch.....	<b>P.185</b>

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

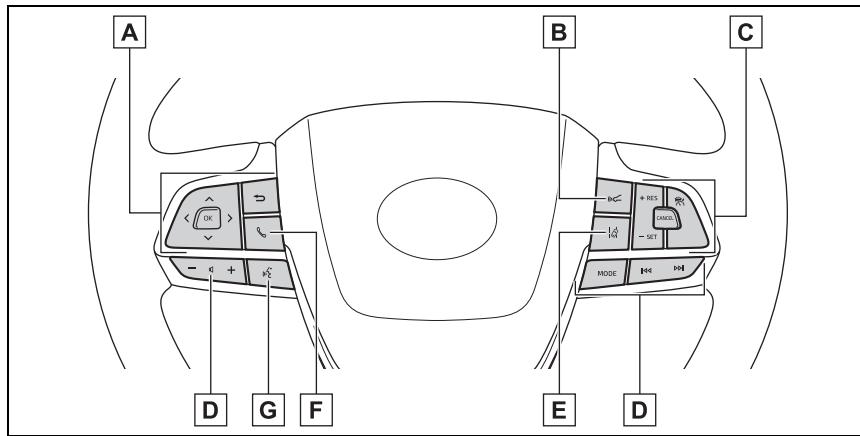
**■Switches**

- A** Driving position memory switches<sup>\*1</sup> ..... P.131
- B** Window lock switch ..... P.143
- C** Power window switches ..... P.141
- D** Door lock switches ..... P.111
- E** Outside rear view mirror switches ..... P.138
- F** "ODO TRIP" switch ..... P.71
- G** Instrument panel light control switches ..... P.71
- H** Automatic High Beam switch<sup>\*1</sup> ..... P.178
- I** Camera switch<sup>\*2</sup>
- J** Power back door switch<sup>\*1</sup> ..... P.116
- K** Manual headlight leveling dial ..... P.176

<sup>\*1</sup>: If equipped

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

## 16 Pictorial index



**A** Meter control switches .....P.73, 81

**B** Vehicle-to-vehicle distance switch<sup>\*1</sup> .....P.223, 232

**C** Cruise control switch

Dynamic radar cruise control with full-speed range<sup>\*1</sup> .....P.218

Dynamic radar cruise control<sup>\*1</sup> .....P.228

Cruise control<sup>\*1</sup> .....P.237

**D** Audio remote control switches<sup>\*2</sup>

**E** LTA (Lane Tracing Assist) switch<sup>\*1</sup> .....P.200

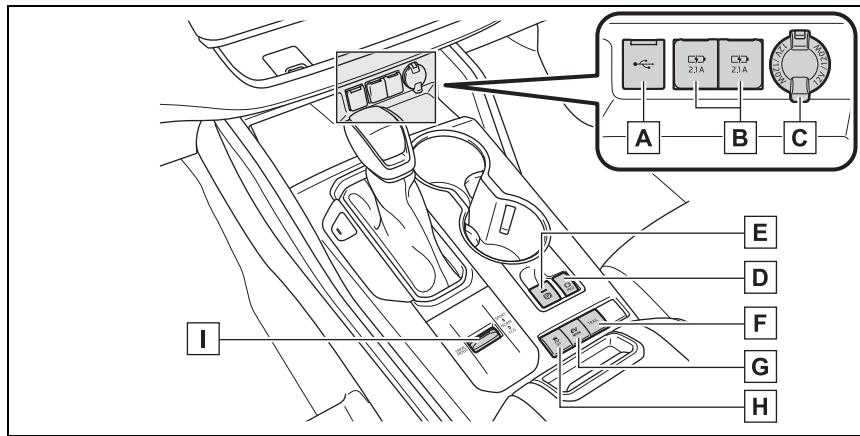
LDA(Lane Departure Alert with steering control) switch<sup>\*1</sup> .....P.210

**F** Phone switch<sup>\*2</sup>

**G** Talk switch<sup>\*2</sup>

<sup>\*1</sup>: If equipped

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

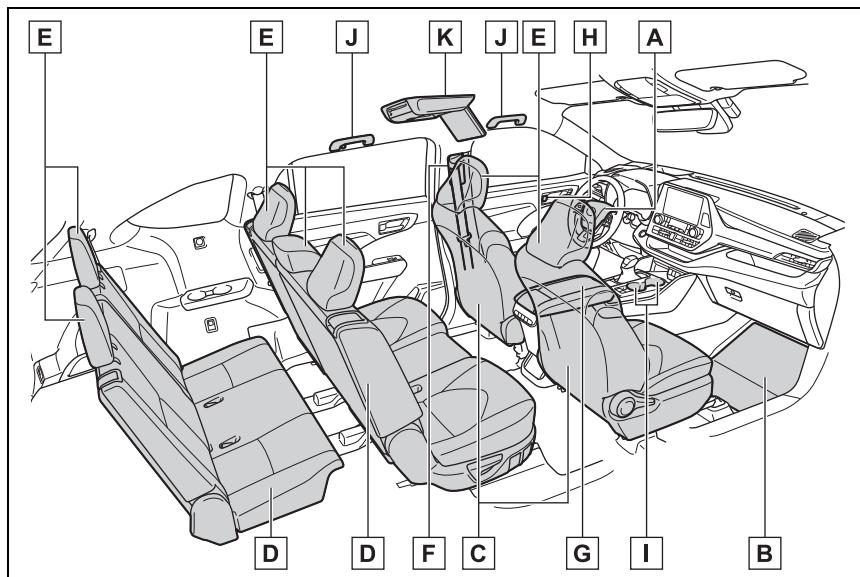


- A** USB port<sup>\*1</sup> .....
- B** USB charging ports .....
- C** Power outlet .....
- D** Brake hold switch .....
- E** Parking brake switch .....
- F** Trail Mode switch<sup>\*2</sup> .....
- G** EV drive mode switch .....
- H** VSC OFF switch .....
- I** Driving mode select switch.....

<sup>\*1</sup>: Refer to "Navigation and Multimedia System Owner's Manual"

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

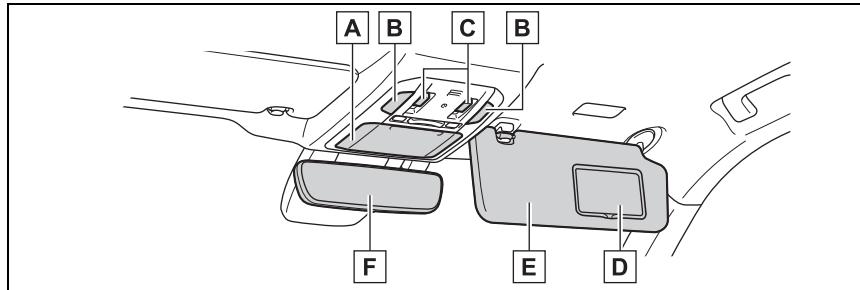
■Interior



- A** SRS airbags.....P.29
- B** Floor mats.....P.22
- C** Front seats.....P.125
- D** Rear seats.....P.126
- E** Head restraints.....P.133
- F** Seat belts .....
- G** Console box .....
- H** Inside lock buttons .....
- I** Cup holders .....
- J** Assist grips .....
- K** Rear seat entertainment system<sup>\*1, 2</sup>

<sup>\*1</sup>: If equipped

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

**■Ceiling**

<b>A</b>	Auxiliary box .....	P.288
	Conversation mirror .....	P.297
<b>B</b>	Interior light <sup>*1</sup> .....	P.284
	Personal lights <sup>*1</sup> .....	P.284
<b>C</b>	Moon roof switches <sup>*2</sup> .....	P.144
	Panoramic moon roof switches <sup>*2</sup> .....	P.147
<b>D</b>	Vanity mirrors .....	P.297
<b>E</b>	Sun visors <sup>*3</sup> .....	P.296
<b>F</b>	Inside rear view mirror .....	P.137

<sup>\*1</sup>: The illustration shows the front, but they are also equipped in the rear.

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

<sup>\*3</sup>: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.  
(→P.41)



**20**      Pictorial index

		<b>21</b>
<b>For safety and security</b>	<b>1</b>	
		1
<hr/>		
<b>1-1. For safe use</b>		
Before driving .....	<b>22</b>	
For safe driving .....	<b>23</b>	
Seat belts.....	<b>25</b>	
SRS airbags .....	<b>29</b>	
Exhaust gas precautions ....	<b>36</b>	
<b>1-2. Child safety</b>		
Riding with children .....	<b>37</b>	
Child restraint systems .....	<b>38</b>	
<b>1-3. Hybrid system</b>		
Hybrid system features.....	<b>52</b>	
Hybrid system precautions .....	<b>55</b>	
<b>1-4. Theft deterrent system</b>		
Immobilizer system.....	<b>59</b>	
Alarm .....	<b>60</b>	

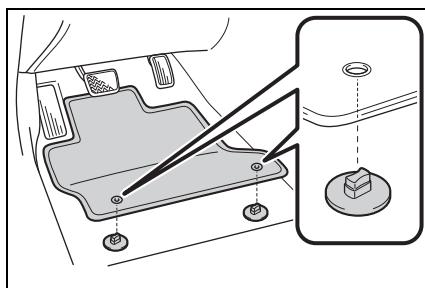
### Before driving

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

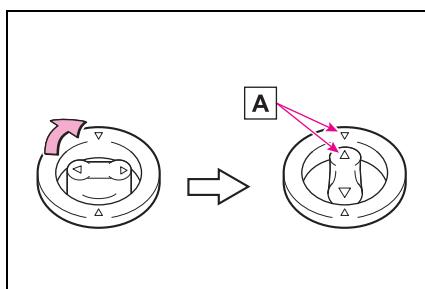
### Installing floor mats

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

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



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



Always align the  $\triangle$  marks [A].

The shape of the retaining hooks (clips)

may differ from that shown in the illustration.

### WARNING

Observe the following precautions.

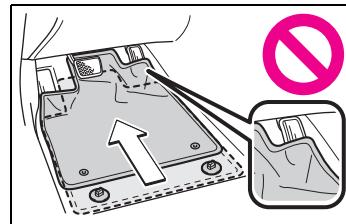
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

#### 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.

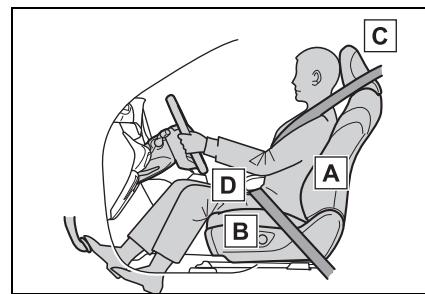


**⚠ WARNING**

- With the hybrid system stopped and the shift lever in P, fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

**For safe driving**

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

**Correct driving posture**

1

For safety and security

**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.125)

**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.125)

**C** Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P.133)

**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.

ward clearly by adjusting the inside and outside rear view mirrors properly. (→P.137, 138)

**Correct use of the seat belts**

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

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.  
(→P.38)

**Adjusting the mirrors**

Make sure that you can see back-

## Seat belts

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

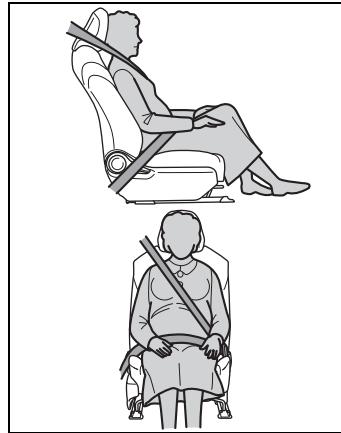
### ⚠ WARNING

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.48

#### ■ 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.

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

- Do not twist the seat belt.

#### **■ Emergency locking retractor (ELR)**

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

#### **■ Child seat belt usage**

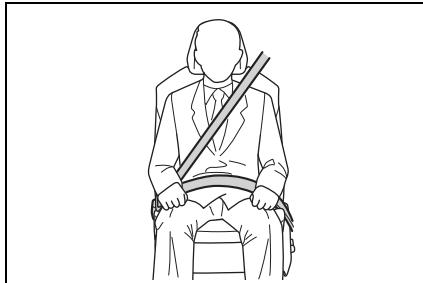
The seat belts of your vehicle were principally designed for persons of adult size.

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

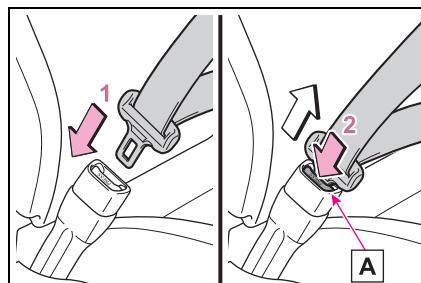
If seat belt regulations exist in the country where you reside, please contact your Toyota dealer for seat belt replacement or installation.

### **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

### **Fastening and releasing the seat belt**



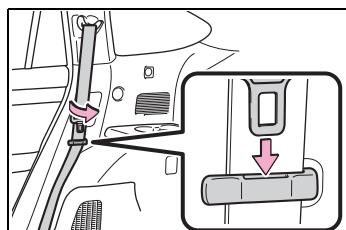
- 1 To fasten the seat belt, push the plate into the buckle until a click sound is heard.

- 2** To release the seat belt, press the release button **A**.

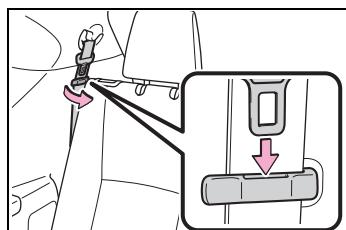
■ When not using the rear seat belts

Pass the outer seat belts through the seat belt hangers and secure the seat belt plates to prevent the shoulder belts from being damaged.

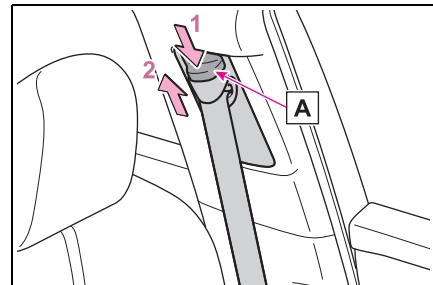
► Second seat belts



► Third seat belts



**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.

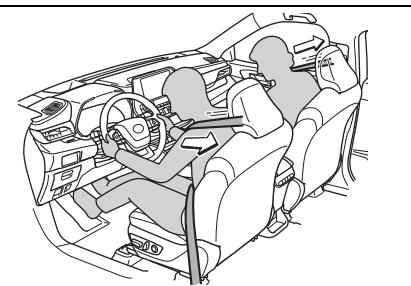
Move the height adjuster up and down as needed until you hear a click.

**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 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 colli-

sions, the pretensioner will activate for the first collision, but will not activate for the second or subsequent collisions.

 **WARNING**

**■ Seat belt pretensioners**

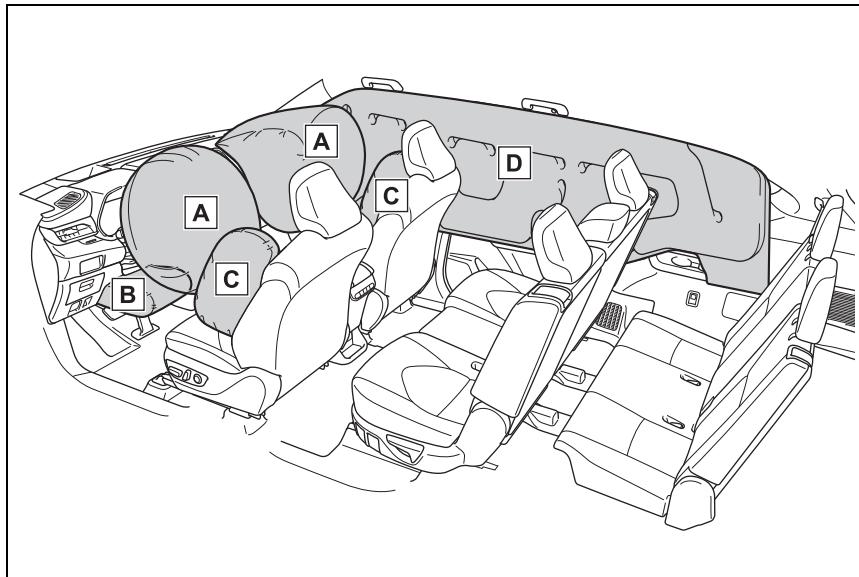
If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at your Toyota dealer.

## 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

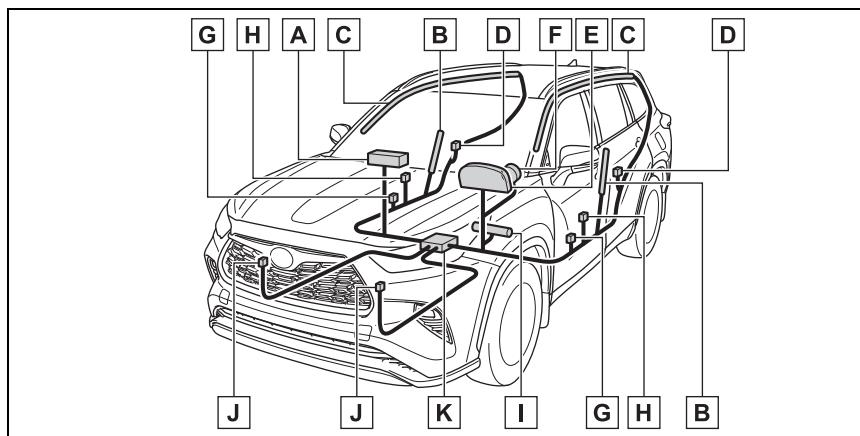
Can help protect the torso of the front seat occupants

##### **D** SRS curtain shield airbags

## 30 1-1. For safe use

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

### ■ SRS airbag system components



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

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

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

- Slight abrasions, burns, bruising etc., may be sustained from SRS airbags, due to the extremely high speed deployment (inflation) by hot gases.
- A loud noise and white powder will be emitted.
- Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, parts of the front and rear pillars, and roof side

rails, may be hot for several minutes. The airbag itself may also be hot.

- The windshield may crack.
- The hybrid system will be stopped and fuel supply to the engine will be stopped. (→P.58)
- All of the doors will be unlocked. (→P.110)
- The brakes and stop lights will be controlled automatically. (→P.259)
- The interior lights will turn on automatically. (→P.285)
- The emergency flashers will turn on automatically. (→P.360)

#### ■ 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

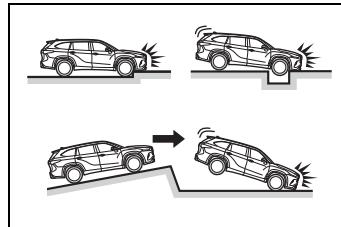
from a direction perpendicular to the vehicle orientation at an approximate speed of 20 - 30 km/h [12 - 18 mph]).

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

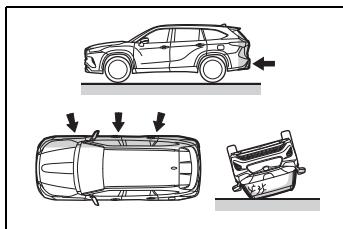
- Hitting a curb, edge of pavement or hard surface
- Falling into or jumping over a deep hole
- Landing hard or falling



#### ■ 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.

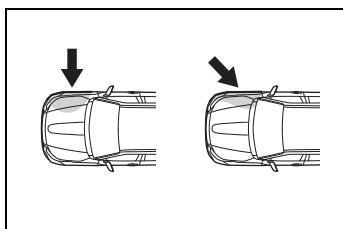
- Collision from the side
- Collision from the rear
- Vehicle rollover



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

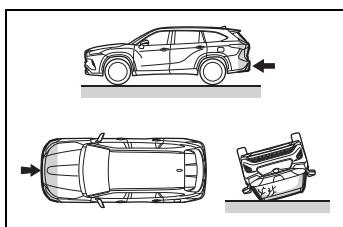
The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.

- 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.

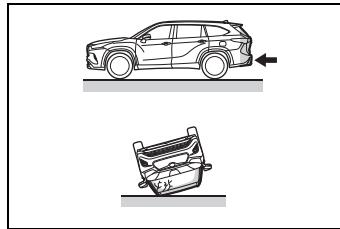
- Collision from the front
- Collision from the rear
- Vehicle rollover



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.

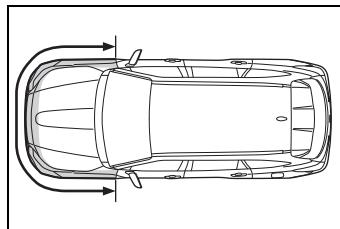
- Collision from the rear
- Vehicle rollover



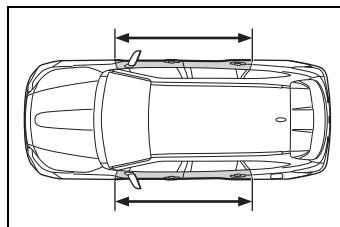
**■ When to contact your Toyota dealer**

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

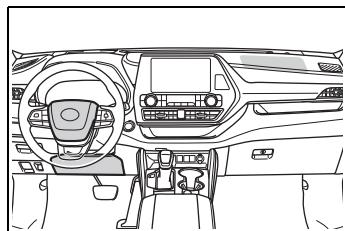
- Any of the SRS airbags have been inflated.
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS front airbags to inflate.



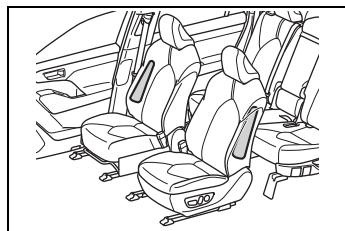
- A portion of a door or its surrounding area is damaged, deformed or has had a hole made in it, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.



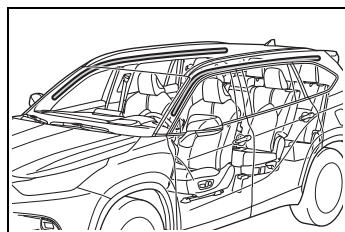
- The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.



- 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.

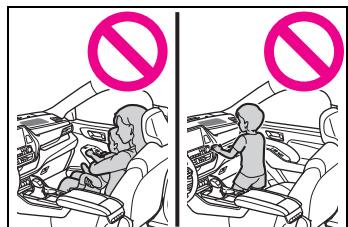
The seat should be adjusted as recommended above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.

**⚠ 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.38)
- 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.

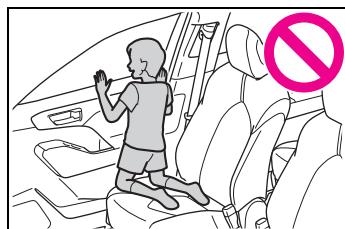


- Do not allow the front seat occupants to hold items on their knees.

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

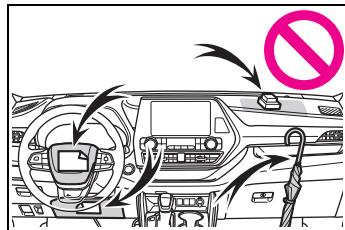


- Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle.

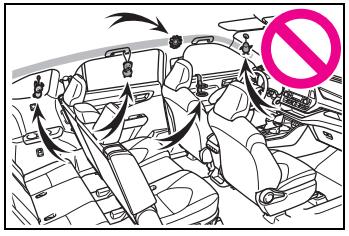


- Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad and lower portion of the instrument panel.

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.
- 
- Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and may cause death or serious injury, should the SRS curtain shield airbags deploy.
- If a vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.
- Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the SRS airbags. Such accessories may prevent the side airbags from activating correctly, disable the system or cause the side airbags to inflate accidentally, resulting in death or serious injury.
- Do not strike or apply significant levels of force to the area of the SRS airbag components or the front doors. Doing so can cause the SRS airbags to malfunction.
- Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.

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

### Exhaust gas precautions

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

#### **WARNING**

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

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

#### **■ Important points while driving**

- Keep the back door closed.
- If you smell exhaust gases in the vehicle even when the back door is closed, open the windows and have the vehicle inspected at your Toyota dealer as soon as possible.

#### **■ When parking**

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

#### **■ Exhaust pipe**

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

### Riding with children

**Observe the following precautions when children are in the vehicle.**

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

- It is recommended that children sit in the rear seats to avoid accidental contact with the shift lever, wiper switch, etc.
- Use the rear door child-protector lock or the window lock switch to avoid children opening the door while driving or operating the power window accidentally. (→P.112, 143)
- Do not let small children operate equipment which may catch or pinch body parts, such as the power window, hood, back door, seats etc.

### WARNING

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

### Child restraint systems

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

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

tions 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.42)

#### 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 second seat. According to accident statistics, the child is safer when properly restrained in the second seat than in the front seat.

### Table of contents

Points to remember: P.38

When using a child restraint system: P.39

Child restraint system compatibility for each seating position: P.42

Child restraint system installation method: P.46

- Fixed with a seat belt: P.47
- Fixed with an ISOFIX lower anchorage: P.49
- Using a top tether anchorage: P.50

### Points to remember

- If child restraint system regula-

### **⚠ 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.42) Be sure to install and observe the usage rules after carefully reading the child restraint system fixing method in this manual, as well as the operation manual enclosed with the child restraint system.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the luggage compartment.

### **When using a child restraint system**

#### **When installing a child restraint system to a front passenger seat**

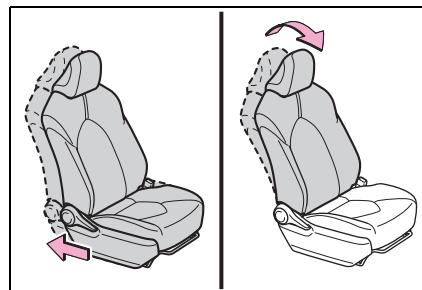
For the safety of a child, install child restraint systems to second seats. When installing child restraint system to a front passenger seat is unavoidable, adjust the seat as follows and install the child restraint system.

- Move the front seat fully rearward.
- 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.



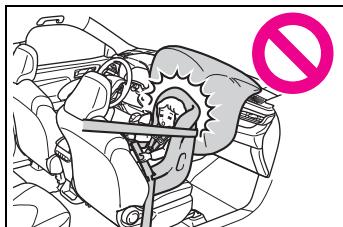
1

For safety and security

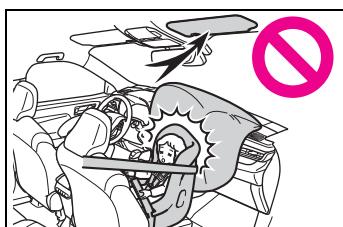
**⚠ WARNING****■ When using a child restraint system**

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

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



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



**⚠ 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).



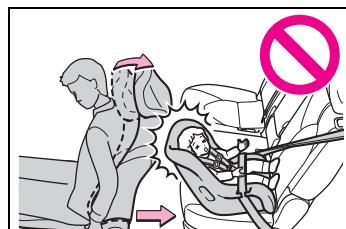
Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front or rear pillars, or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if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



- When a junior seat (booster seat) is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder.

**⚠ 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 right-hand rear seat.



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

**Child restraint system compatibility for each seating position**

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

Compatibility of each seating position with child restraint systems (→P.43) 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].

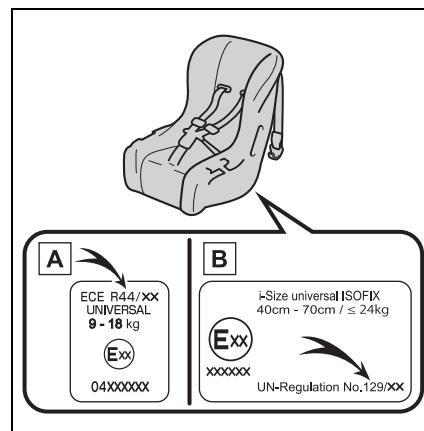
**■ Before confirming the compatibility of each seating position with child restraint systems**

- 1 Checking the child restraint system standards.

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

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<sup>\*3</sup>**

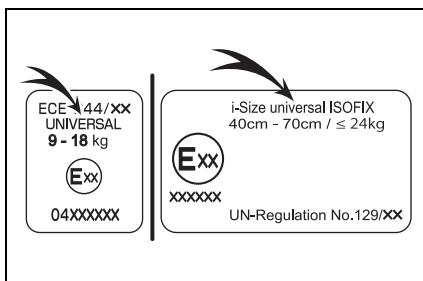
The weight range of the child who is applicable for an UN(ECE) R44 approval mark is indicated.

**B UN(ECE) R129 approval mark<sup>\*3</sup>**

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"

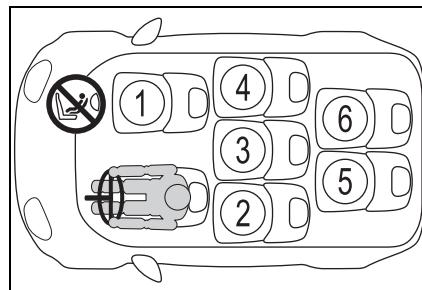


\*<sup>1</sup>: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

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

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

### ■ Compatibility of each seating position with child restraint systems



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

## 44 1-2. Child safety



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



Suitable for ISOFIX child restraint system.

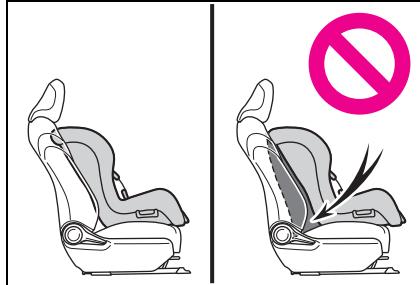


Includes a top tether anchorage point.



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

seatback angle until good contact is achieved.



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

\*<sup>2</sup>: 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

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

\*<sup>4</sup>: Use only a front-facing child restraint system.

### ■ Detail information for child restraint systems installation

Seating position						
Seat position number	1	2	3	4	5	6
Seating position suitable for universal belted (Yes/No)	Yes Forward facing only	Yes	Yes	Yes	Yes	Yes
i-Size seating position (Yes/No)	No	No	No	No	No	No
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	No	No	No
Suitable rearward facing fixture (R1/R2X/R2/R3/No)	No	R1, R2X, R2, R3	No	R1, R2X, R2, R3	No	No
Suitable forward facing fixture (F2X/F2/F3/No)	No	F2X, F2, F3	No	F2X, F2, F3	No	No
Suitable junior seat fixture (B2/B3/No)	No	B2, B3	No	B2, B3	No	No

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.

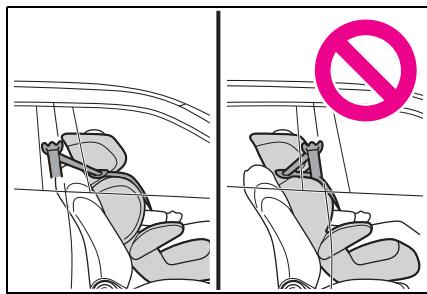
Fixture	Description
F3	Full-height, forward-facing child restraint systems
F2	Reduced-height forward-facing child restraint systems
F2X	Reduced-height forward-facing child restraint systems
R3	Full-size, rearward-facing child restraint systems
R2	Reduced-size, rearward-facing child restraint systems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

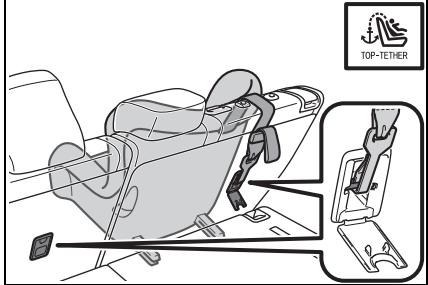


- When installing a junior seat, if the child in your child restraint system is in a very upright position, adjust the seatback angle to the most comfortable position. And if the seat belt shoulder anchor is ahead of the child seat belt guide, move the seat cushion forward.

### 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.47

Installation method		Page
ISOFIX lower anchorages attachment		P.49
Top tether anchorage attachment		P.50

### Child restraint system fixed with a seat belt

#### ■ Installing child restraint system using a seat belt

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

If the child restraint system on hand is not within the "universal" category (or the necessary information is not in the table), refer to the "Vehicle List" provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child seat.  
(→P.42, 43)

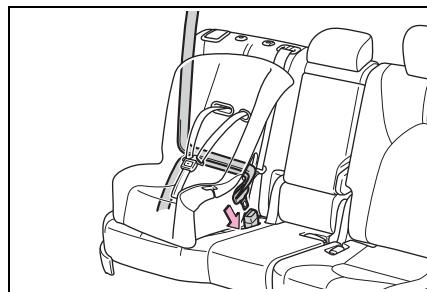
1 If installing the child restraint system to the front passenger seat is unavoidable, refer to P.39 for the front passenger seat adjustment.

2 Adjust the seatback angle to the most upright position.

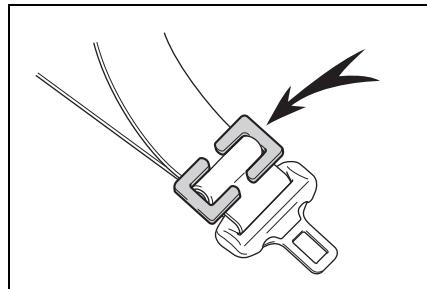
When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.

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. (→P.133)

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



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



- 6** After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.48)

**■ 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.

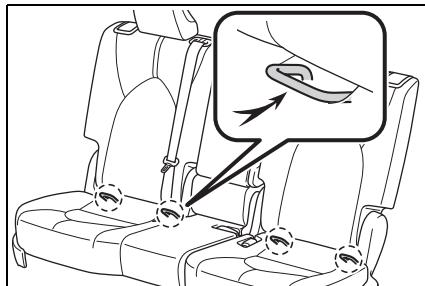
### **⚠ WARNING**

- 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 ISOFIX lower anchorages**

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

Lower anchorages are provided for the outboard second seats.



#### **■ Installation with ISOFIX lower anchorages (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" cate-

gory (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.42, 43)

- 1 Adjust the seatback angle to the most upright position.

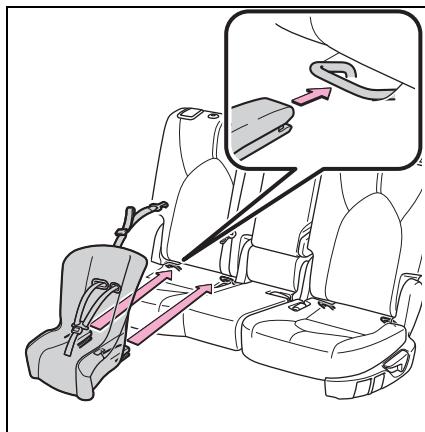
When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.

- 2 If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position. (→P.133)

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

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

seatback.



- 4 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.48)

### **⚠ WARNING**

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

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

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

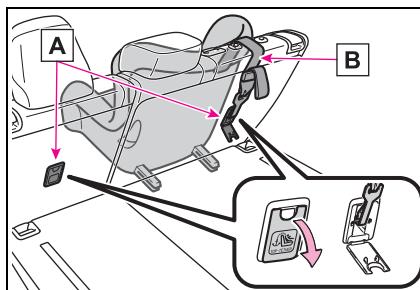
#### **Using a top tether anchorage**

##### **■ Top tether anchorages**

Top tether anchorages are provided

for the second outboard seats:

Use top tether anchorages when fixing the top strap.



**A** Top tether anchorages

**B** Top strap

#### **■ Fixing the top strap to the top tether anchorages**

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

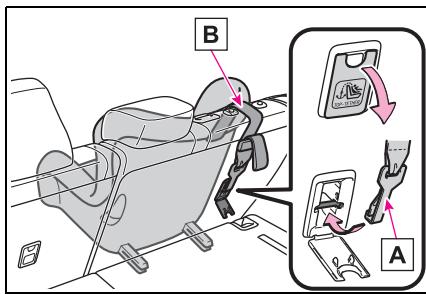
- 1 Adjust the head restraint to the upmost position.

If the head restraint interferes with the child restraint system or top strap installation and the head restraint can be removed, remove the head restraint. (→P.133)

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

Make sure the top strap is securely latched. (→P.48)

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

**A** Hook**B** Top strap
** WARNING**
**■ When installing a child restraint system**

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

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

** NOTICE**
**■ Top tether anchorages**

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

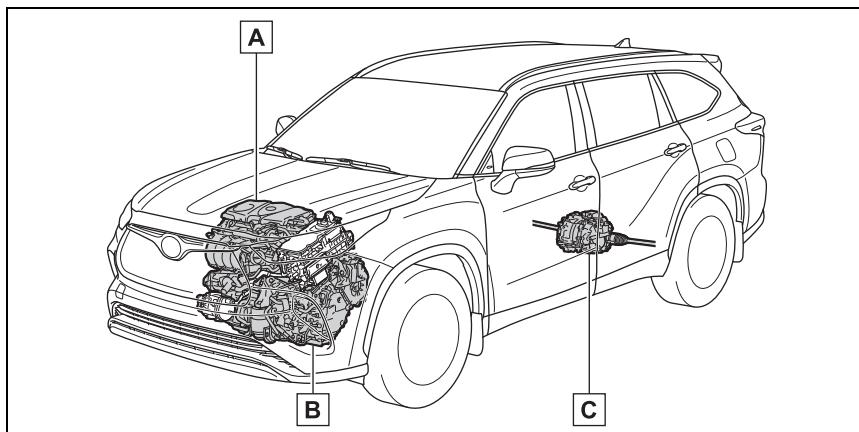
### Hybrid system features

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

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

### System components

#### ■ System components



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

- [A] Gasoline engine
- [B] Front electric motor (traction motor)
- [C] Rear electric motor (traction motor)\*

\*: AWD models only

#### ■ When stopped/during start off

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

and the electric motor (traction motor) is used.

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

\*: When the hybrid battery (traction battery) requires charging or the engine

is warming up, etc., the gasoline engine will not automatically stop. (→P.53)

### ■ During normal driving

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

### ■ When accelerating sharply

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

### ■ When braking (regenerative braking)

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

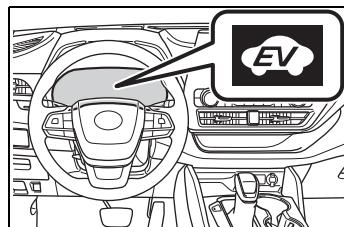
### ■ Regenerative braking

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

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

### ■ EV indicator

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



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

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

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

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

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

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

### ■ Charging the 12-volt battery

→P.397

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

The gasoline engine may not stop even if the vehicle is being driven by the hybrid battery (traction battery). If this

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For safety and security

## 54 1-3. Hybrid system

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continues for a few days, contact your Toyota dealer.

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

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

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

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

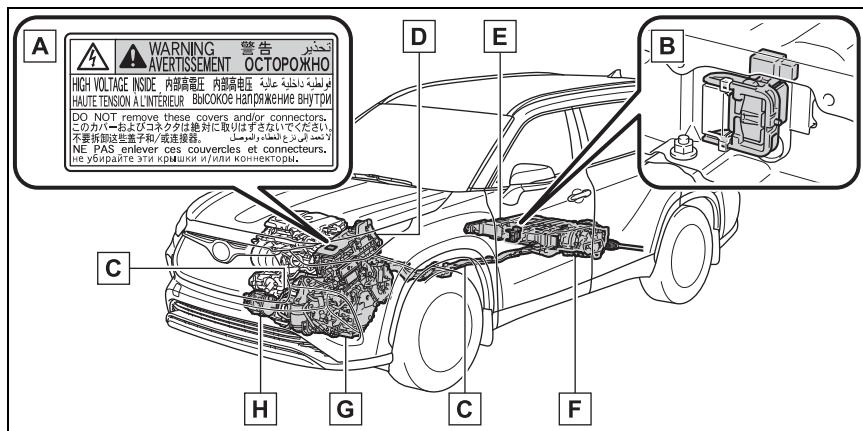
### ■ Maintenance, repair, recycling, and disposal

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

## Hybrid system precautions

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

## System components



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

- A** Warning label
- B** Service plug
- C** High voltage cables (orange)
- D** Power control unit
- E** Hybrid battery (traction battery)
- F** Rear electric motor (traction motor)\*
- G** Front electric motor (traction motor)
- H** Air conditioning compressor

\*: AWD models only

### Running out of fuel

When the vehicle has run out of fuel and the hybrid system cannot be started, refuel the vehicle with at least enough

gasoline to make the low fuel level warning light (→P.371) go off. If there is only a small amount of fuel, the hybrid system may not be able to start. (The standard amount of fuel is about 11.3 L [2.9 gal., 2.4 Imp. gal.], when the vehicle is

## 56 1-3. Hybrid system

on a level surface. This value may vary when the vehicle is on a slope. Add extra fuel when the vehicle is inclined.)

### ■ Electromagnetic waves

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

### ■ Hybrid battery (traction battery)

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

### ■ Declaration of conformity

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

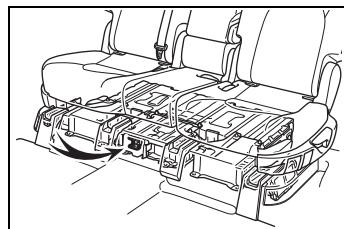
#### WARNING

##### ■ High voltage precautions

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

- Never touch, disassemble, remove or replace the high voltage parts, cables or their connectors.
- The hybrid system will become hot after starting as the system uses high voltage. Be careful of both the high voltage and the high temperature, and always obey the warning labels attached to the vehicle.

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



##### ■ Road accident cautions

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

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

### WARNING

- If your vehicle needs to be towed, do so with all four wheels raised. If the wheels connected to the electric motor (traction motor) are on the ground when towing, the motor may continue to generate electricity. This may cause a fire. (→P.363)
- Carefully inspect the ground under the vehicle. If you find that liquid has leaked onto the ground, the fuel system may have been damaged. Leave the vehicle as soon as possible.

#### ■ Hybrid battery (traction battery)

- Never resell, hand over or modify the hybrid battery. To prevent accidents, hybrid batteries that have been removed from a disposed vehicle are collected through your Toyota dealer. Do not dispose of the battery yourself.

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

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

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

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

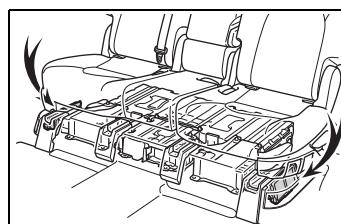
### NOTICE

#### ■ Hybrid battery (traction battery) air intake vents

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

### Hybrid battery (traction battery) air intake vent

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

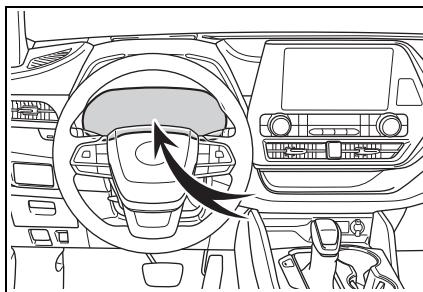


 NOTICE

■ **Hybrid battery (traction battery) air intake vent**

- Do not place objects that will block the air intake vents. The hybrid battery (traction battery) may become limited and be damaged.
- Clean the air intake/discharge vents regularly to prevent the hybrid battery (traction battery) to be limited.
- Do not allow liquid or foreign material to enter the air intake vent as this may cause a short circuit and damage the hybrid battery (traction battery).
- A filter is installed to the air intake vent. When the filter remains noticeably dirty even after cleaning the air intake vent, filter cleaning or replacement is recommended. Refer to P.342 for details on how to clean the filters.

If a warning message is shown on the multi-information display, read the message and follow the instructions. (→P.377)



■ **If a warning light comes on, a warning message is displayed, or the 12-volt battery is disconnected**

The hybrid system may not start. In this case, try to start the system again. If the "READY" indicator does not come on, contact your Toyota dealer.

### Emergency shut off system

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

### Hybrid warning message

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

## Immobilizer system

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

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

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

### ■ System maintenance

The vehicle has a maintenance-free type immobilizer system.

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

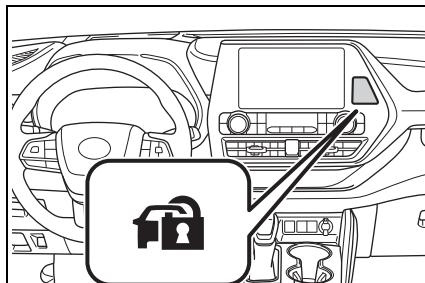
- If the grip portion of the key is in contact with a metallic object
- If the key is in close proximity to or touching a key registered to the security system (key with a built-in transponder chip) of another vehicle

### NOTICE

#### ■ To ensure the system operates correctly

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

## Operating the system



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

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

### Alarm\*

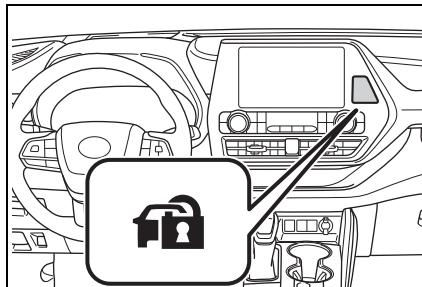
\*: If equipped

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

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

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

being on to flashing when the system is set.



### Canceling or stopping

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

- Unlock the doors.
- Turn the power switch to ACC or ON, or start the hybrid system.  
(The alarm will be deactivated or stopped after a few seconds.)

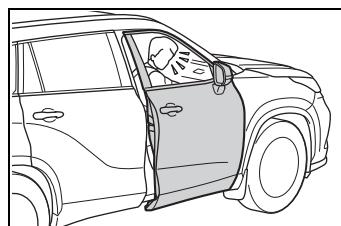
### System maintenance

The vehicle has a maintenance-free type alarm system.

### Triggering of the alarm

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

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



- The 12-volt battery is recharged or replaced when the vehicle is locked.  
(→P.400)

### Setting/canceling/stopping the alarm system

#### Items to check before locking the vehicle

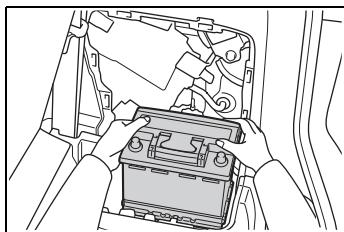
To prevent unexpected triggering of the alarm and vehicle theft, make sure of the following:

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

#### Setting

Close the doors and hood, and lock all the doors. The system will be set automatically after 30 seconds.

The security indicator changes from

**■ Alarm-operated door lock**

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

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

**NOTICE****■ To ensure the system operates correctly**

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



## **Vehicle status information and indicators**

**2**

**63**

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

Warning lights and indicators .....	<b>64</b>
Gauges and meters .....	<b>69</b>
Multi-information display (4.2-inch display) .....	<b>72</b>
Multi-information display (7-inch display) .....	<b>81</b>
Head-up display.....	<b>91</b>
Energy monitor/consumption screen.....	<b>96</b>

**2**

Vehicle status information and indicators

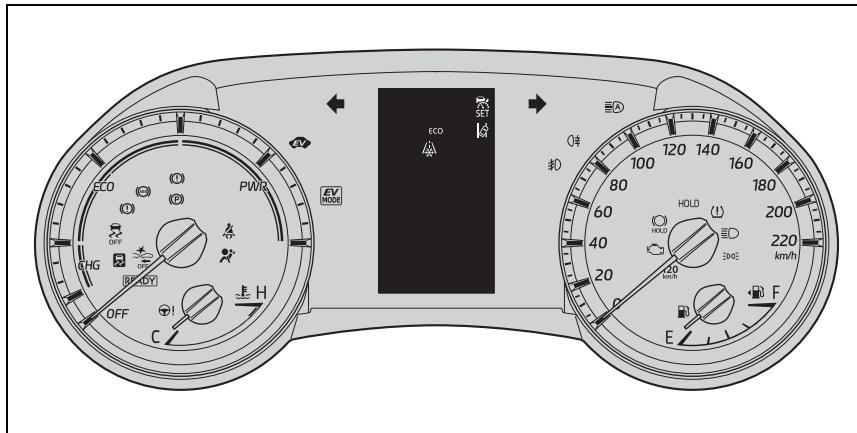
### Warning lights and indicators

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

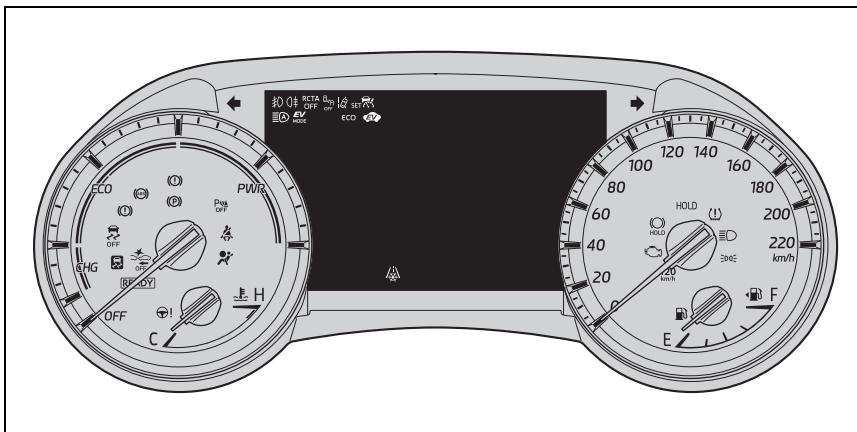
For the purpose of explanation, the following illustrations display all warning lights and indicators illuminated.

- 4.2-inch display



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

► 7-inch display



2

Vehicle status information and indicators

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

### Warning lights

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



Brake system warning light<sup>\*1</sup>  
([→P.369](#))



Brake system warning light<sup>\*1</sup>  
([→P.369](#))



High coolant temperature  
warning light<sup>\*2</sup> ([→P.369](#))



Hybrid system overheat  
warning light<sup>\*2</sup> ([→P.370](#))



Charging system warning  
light<sup>\*2</sup> ([→P.370](#))



Low engine oil pressure  
warning light<sup>\*2</sup> ([→P.370](#))



Malfunction indicator lamp<sup>\*1</sup>  
([→P.370](#))



SRS warning light<sup>\*1</sup> ([→P.370](#))



ABS warning light<sup>\*1</sup> ([→P.371](#))



Brake Override System warn-  
ing light/Drive-Start Control  
warning light<sup>\*2</sup> ([→P.371](#))



Electric power steering sys-  
tem warning light ([→P.371](#))



Low fuel level warning  
light<sup>\*1</sup> ([→P.371](#))



Driver's and front passen-  
ger's seat belt reminder light  
([→P.372](#))



Tire pressure warning light<sup>\*1</sup>  
([→P.372](#))



LTA indicator/LDA indicator<sup>\*2</sup>  
(if equipped) ([→P.372](#))



Toyota parking assist-sensor  
OFF indicator<sup>\*1, 3, 4</sup> (if  
equipped) ([→P.373](#))

	RCTA OFF indicator <sup>*2, 3, 4</sup> (if equipped) ( <a href="#">→P.373</a> ) (flashes)
	PCS warning light <sup>*1</sup> (if equipped or illuminates) ( <a href="#">→P.374</a> )
	Slip indicator <sup>*1</sup> ( <a href="#">→P.374</a> )
	Parking brake indicator <sup>*1</sup> ( <a href="#">→P.374</a> ) (flashes)
	Brake hold operated indicator <sup>*1</sup> ( <a href="#">→P.375</a> ) (flashes)
	Speed warning light <sup>*1</sup> ( <a href="#">→P.375</a> )

<sup>\*1</sup>: These lights turn on when the power switch is turned to ON to indicate that a system check is being performed. They will turn off after the hybrid system is on, or after a few seconds. There may be a malfunction in a system if a light does not come on, or turn off. Have the vehicle inspected by your Toyota dealer.

<sup>\*2</sup>: This light illuminates on the multi-information display.

<sup>\*3</sup>: This light comes on when the system is turned off.

<sup>\*4</sup>: 7-inch display only

## WARNING

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

Should a safety system light such as the ABS and SRS warning lights not come on when you start the hybrid system, this could mean that these systems are not available to help protect you in an accident, which could result in death or serious injury. Have the vehicle inspected by 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 ( <a href="#">→P.169</a> )
	Tail light indicator ( <a href="#">→P.175</a> )
	Headlight high beam indicator ( <a href="#">→P.176</a> )
	Automatic High Beam indicator <sup>*1</sup> (if equipped) ( <a href="#">→P.178</a> )
	Front fog light indicator <sup>*1</sup> ( <a href="#">→P.180</a> )
	Rear fog light indicator <sup>*1</sup> ( <a href="#">→P.180</a> )
	PCS warning light <sup>*3, 4</sup> (if equipped) ( <a href="#">→P.195</a> )
	Cruise control indicator <sup>*2</sup> (if equipped) ( <a href="#">→P.225, 234, 237</a> )
	Dynamic radar cruise control indicator <sup>*2</sup> (if equipped) ( <a href="#">→P.218, 228</a> )
	Cruise control "SET" indicator <sup>*2</sup> (if equipped) ( <a href="#">→P.218, 228, 237</a> )

	LTA indicator/LDA indicator <sup>*2</sup> (if equipped) (→P.205, P.214)		Low outside temperature indicator <sup>*2, 7</sup> (→P.69)
	LTA indicator/LDA indicator <sup>*2</sup> (if equipped) (→P.205, 214)		Security indicator <sup>*8</sup> (→P.59, 60)
	LTA indicator/LDA indicator <sup>*2</sup> (if equipped) (→P.205, 214) BSM outside rear view mirror indicators <sup>*5, 6, 9</sup> (if equipped) (→P.240, 251)		● Drive mode indicators
	BSM OFF indicator <sup>*2, 3, 9</sup> (if equipped) (→P.240)		Eco drive mode indicator <sup>*2</sup> (→P.256)
	Toyota parking assist-sensor OFF indicator <sup>*3, 4, 9</sup> (if equipped) (→P.245)		Sport mode indicator <sup>*2</sup> (→P.256)
	RCTA OFF indicator <sup>*2, 3, 9</sup> (if equipped) (→P.251)		Trail Mode indicator <sup>*2</sup> (if equipped) (→P.257)
	Slip indicator <sup>*4</sup> (→P.259)		
	VSC OFF indicator <sup>*3, 4</sup> (→P.260)		
	Smart entry & start system indicator <sup>*2</sup> (→P.160)		
	“READY” indicator (→P.160)		
	EV drive mode indicator <sup>*1</sup> (→P.164)		
	Parking brake indicator <sup>*4</sup> (→P.169)		
	Brake hold standby indica- tor <sup>*4</sup> (→P.172)		
	Brake hold operated indica- tor <sup>*4</sup> (→P.172)		
	EV indicator <sup>*1</sup> (→P.53)		

Vehicle status information and indicators

2

<sup>\*1</sup>: 7-inch display only: This light illuminates on the multi-information display.

<sup>\*2</sup>: This light illuminates on the multi-information display.

<sup>\*3</sup>: This light comes on when the system is turned off.

<sup>\*4</sup>: These lights turn on when the power switch is turned to ON to indicate that a system check is being performed. They will turn off after the hybrid system is on, or after a few seconds. There may be a malfunction in a system if a light does not come on, or turn off. Have the vehicle inspected by your Toyota dealer.

<sup>\*5</sup>: In order to confirm operation, the BSM outside rear view mirror indicators illuminate in the following situations:

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

---

play.

If the system is functioning correctly, the BSM outside rear view mirror indicators will turn off after a few seconds. If the BSM outside rear view mirror indicators do not illuminate or do not turn off, there may be a malfunction in the system. If this occurs, have the vehicle inspected by your Toyota dealer.

\*<sup>6</sup>: This light illuminates on the outside rear view mirrors.

\*<sup>7</sup>: When the outside temperature is approximately 3°C (37°F) or lower, this indicator will flash for approximately 10 seconds, then stay on.

\*<sup>8</sup>: This light illuminates on the center panel.

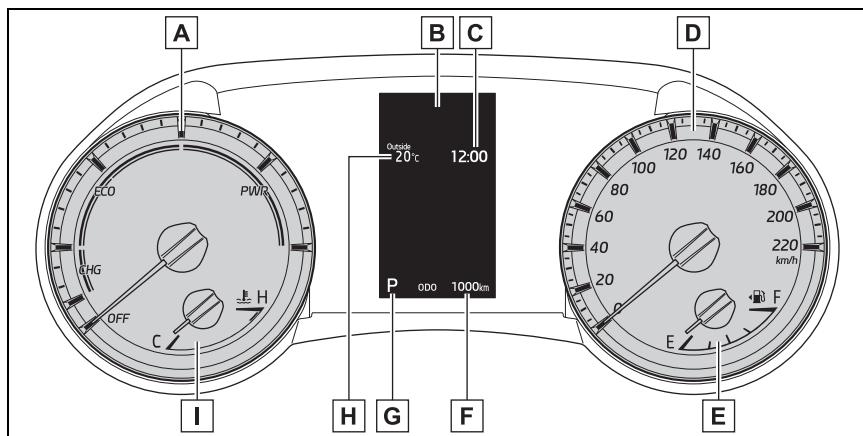
\*<sup>9</sup>: 7-inch display only

## Gauges and meters

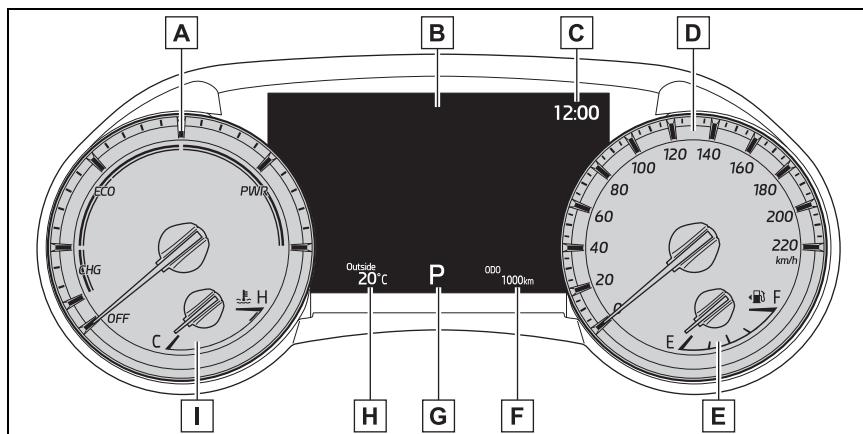
### Meter display

#### ■ Locations of gauges and meters

- ▶ 4.2-inch display



- ▶ 7-inch display



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

**A** Hybrid System Indicator

Displays hybrid system output or regeneration level (→P.70)

**B** Multi-information display

Presents the driver with a variety of vehicle data (→P.72, 81)

2

Vehicle status information and indicators

## 70 2-1. Instrument cluster

Displays warning messages in case of a malfunction (→P.377)

**C** Clock (→P.72)

**D** Speedometer

**E** Fuel gauge

Displays the quantity of fuel remaining in the tank

**F** Odometer and trip meter display (→P.71)

**G** Shift position display (→P.166)

**H** Outside temperature

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

Low outside temperature indicator comes on when the ambient temperature is 3°C (37°F) or lower.

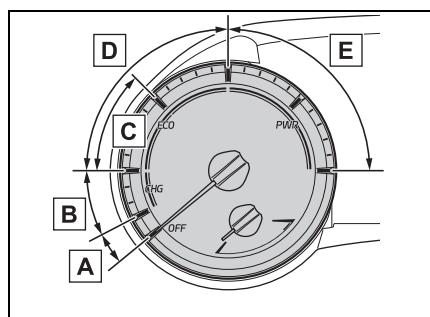
**I** Engine coolant temperature gauge

Displays the engine coolant temperature

### ■ The meters and display illuminate when

The power switch is in ON.

### ■ Hybrid System Indicator



**A** READY OFF area

Shows that the hybrid system is not operating.

**B** Charge area

Shows regeneration\* status.

Regenerated energy will be used to charge the hybrid battery (traction battery).

**C** Hybrid Eco area

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

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

**D** Eco area

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

By keeping the indicator needle within the Eco area, more Eco-friendly driving can be achieved.

**E** Power area

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

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

### ■ Outside temperature display

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

- When stopped, or driving at low speeds (less than 20 km/h [12 mph])
- When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)
- When “--” or “E” is displayed, the system may be malfunctioning. Take your vehicle to your Toyota dealer.

● 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.403)

### ■ Liquid crystal display

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

### ■ Customization

The meters can be customized on  of the multi-information display. (→P.79, 88)

#### 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.

### Odometer and trip meter display

#### ■ Display items

##### ● Odometer

Displays the total distance the vehicle has been driven.

##### ● Trip meter A/trip meter B

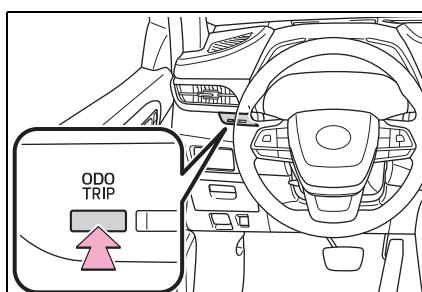
Displays the distance the vehicle has been driven since the meter was last reset. Trip meters A and B can be used to record and display different distances independently.

#### ■ Changing the display

Each time the “ODO TRIP” switch is pressed, the displayed item will be changed. When the trip meter is displayed, pressing and holding the switch will reset the trip meter.

2

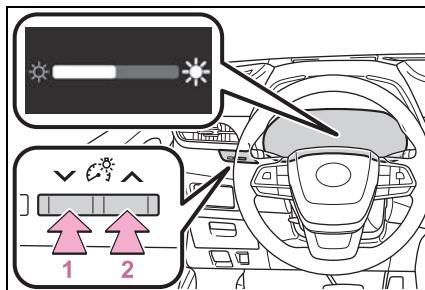
Vehicle status information and indicators



### Changing the instrument panel light brightness

The brightness of the instrument

panel lights can be adjusted.



This image is for example only, and may differ from the actual vehicle.

- 1** Darker
- 2** Brighter

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

The brightness of the meters is changed between day mode and night mode.

- Day mode: When the surrounding area is bright
- Night mode: When the surrounding area is dark

#### Adjusting the clock

The clocks can be adjusted on the audio system screen.

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

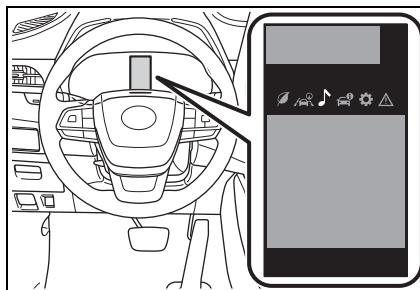
#### Multi-information display (4.2-inch display)

##### Display and menu icons

###### ■ Display

The multi-information display presents the driver with a variety of driving-related information.

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



###### ■ Menu icons

Select a menu icon to display its content.



Driving information display  
(→P.73)



Driving support system information display (→P.76)



Audio system-linked display  
(→P.76)



Vehicle information display  
(→P.76)



Settings display (→P.77)



Warning message display  
(→P.80)

### ■ 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.71

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".

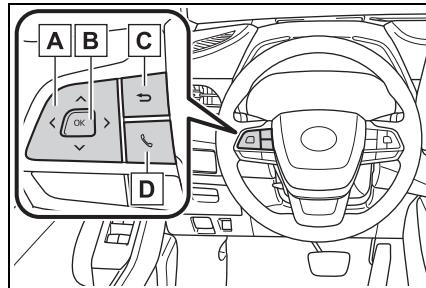
\*: On screens where the screen can be scrolled and the display can be switched, a scroll bar or a round icon that shows the number of registered screens is displayed.

2

Vehicle status information and indicators

### ■ Changing the meter display

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



**A** Scroll screens\*, change the displayed content\* and move the cursor

**B** Press: Enter/Set  
Press and hold: Reset/Display

### ■ Driving information display



### ■ Speedometer display/Driving range



**A** Speedometer display

Displays the vehicle speed.

**B** 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.

## 74 2-1. Instrument cluster

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

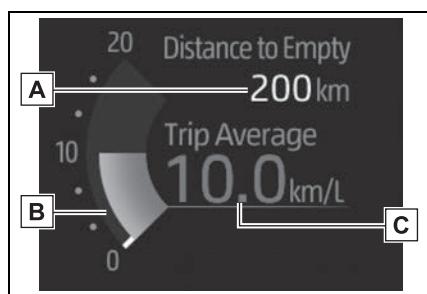
When refueling, turn the power switch off. If the vehicle is refueled without turning the power switch off, the display may not be updated.

When "Refuel" is displayed, the remaining fuel amount is low and the distance that can be driven with the remaining fuel cannot be calculated.

Refuel immediately.

### ■ Fuel economy

Use the displayed values as a reference only.



#### A 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 power switch off. If the vehicle is refueled without turning the power switch off, the display may not be updated.

When "Refuel" is displayed, the remaining fuel amount is low and the distance that can be driven with the remaining

fuel cannot be calculated.

Refuel immediately.

#### B Current fuel economy

Displays the instantaneous current fuel Economy.

#### C Average fuel economy

Displays the average fuel economy since the function was reset or the average fuel economy after starting or refueling.\*<sup>1, 2, 3</sup>

The average fuel economy display

can be changed in . (→P.77)

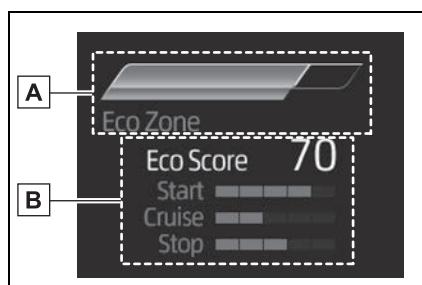
\*<sup>1</sup>: Use the displayed fuel consumption as a reference only.

\*<sup>2</sup>: Average fuel economy since the function was reset can be reset by pressing and holding .

\*<sup>3</sup>: Average fuel economy after starting is reset each time the engine stops.

### ■ ECO Accelerator Guidance/Eco score

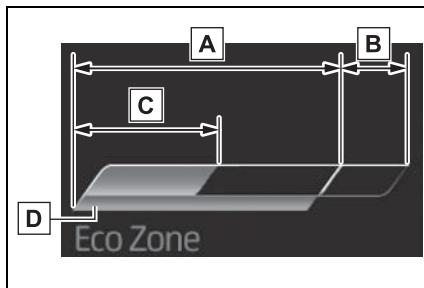
Displays a reference operation range for using the accelerator pedal according to driving conditions, and a score result that evaluates the current driving status.



#### A ECO Accelerator Guidance

#### B Eco score

- ECO Accelerator Guidance



**[A] Eco area**

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

**[B] Power area**

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

**[C] Current accelerator pedal operation**

Displayed as a green bar when within the Eco area.

Eco-friendly acceleration can be achieved by keeping the accelerator pedal operation display within the range indicated by the blue bar. (→P.153)

**[D] Zone of Eco acceleration**

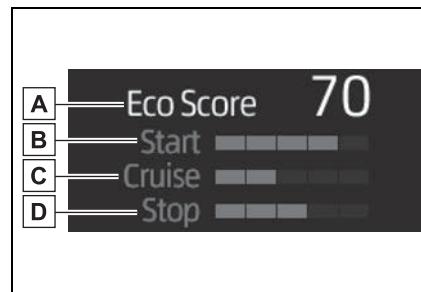
Displayed as a blue bar, and represents an estimated suitable accelerator pedal operation range for the current driving conditions, such as starting off or cruising.

This display changes according to situation, such as when starting off or cruising.

● Eco score

The following 3 Eco driving methods are evaluated in 5 levels: Smooth start-off acceleration, driving without sudden acceleration, and smooth stop-

ping. When the vehicle is stopped, an Eco score out of 100 points will be displayed.



2

Vehicle status information and indicators

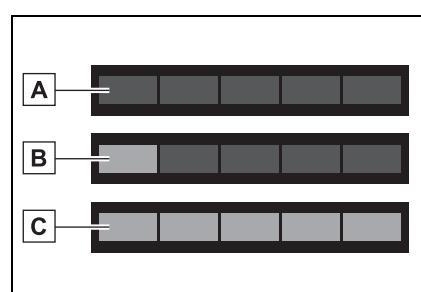
**[A] Score result**

**[B] Eco start status**

**[C] Eco cruise status**

**[D] Eco stop status**

How to read the bar display



**[A] Not yet evaluated**

**[B] Low**

**[C] High**

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

**The ECO Accelerator Guidance/Eco score will not operate when**

The ECO Accelerator Guidance/Eco score will not operate in the following situations:

- The Hybrid System Indicator is not operating.
- The vehicle is being driven using the cruise control (if equipped), dynamic radar cruise control (if equipped) or dynamic radar cruise control with full-speed range (if equipped).

**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.200)
- LDA (Lane Departure Alert with steering control) (if equipped) (→P.210)
- Dynamic radar cruise control with full-speed range (if equipped) (→P.218)
- Dynamic radar cruise control (if equipped) (→P.228)
- Cruise control (if equipped) (→P.237)

**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.92)

**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 (⾞)**

**Drive information**

2 items that are selected using the “Drive Info Items” setting (average speed, distance and total time) can be displayed vertically.

The displayed information changes according to the “Drive Info Type” setting (since the system was started or between resets). (→P.77)

Use the displayed information as a reference only.

Following items will be displayed.

- “Trip”
- “Average Speed”: Displays the average vehicle speed since hybrid system start\*
- “Distance”: Displays the distance

- driven since hybrid system start<sup>\*</sup>
- “Total Time”: Displays the elapsed time since hybrid system start<sup>\*</sup>
- <sup>\*</sup>: These items are reset each time the engine stops.
- “Total”
  - “Average Speed”: Displays the average vehicle speed since the display was reset<sup>\*</sup>
  - “Distance”: Displays the distance driven since the display was reset<sup>\*</sup>
  - “Total Time”: Displays the elapsed time since the display was reset<sup>\*</sup>
- <sup>\*</sup>: To reset, display the desired item and press and hold .

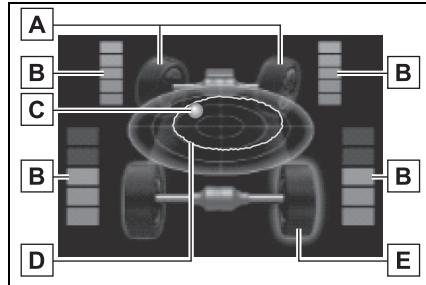
#### ■ Energy monitor

→P.96

#### ■ Tire pressure

→P.330

#### ■ AWD Control (if equipped)



##### A Front tire direction display

Displays the operation amount and direction of the steering wheel via changes to the front tires on the display.

##### B Torque distribution display

Displays the drive status of each wheel in 6 steps from 0 to 5.

##### C G-force display<sup>\*</sup>

Displays the size and direction of the G-force applied to the vehicle via changes to the position of the ball on the display.

##### D Maximum G-force course<sup>\*</sup>

This item is linked with the G-force display and the course of the past movement of the ball is displayed. Press and hold  to reset the record.

##### E Wheel spin display

When a tire is spinning, its icon on the display changes its color and blinks.

<sup>\*</sup>: This item is displayed only when driving mode is set to sport mode.

#### ■ Tire pressure

- It may take a few minutes to display the tire inflation pressure after the power switch is turned to ON. It may also take a few minutes to display the tire inflation pressure after inflation pressure has been adjusted.

- “---” may be displayed if the tire position information cannot be determined due to unfavorable radio wave conditions.
- Tire inflation pressure changes with temperature. The displayed values may also be different from the values measured using a tire pressure gauge.

#### Settings display ()

##### ■ Changing settings

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

- 1 Press < or > of the meter control switch to select .

- 2** Press  $\wedge$  or  $\vee$  of the meter control switch to select the desired item to be customized.

- 3** Press or press and hold .

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

#### ■ Setting items

-  LTA (Lane Tracing Assist) (if equipped)/LDA (Lane Departure Alert with steering control) (if equipped) ( $\rightarrow$ P.200, 210)

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

- “Lane Center” (LTA [Lane Tracing Assist] only)
  - Select to enable/disable the lane centering function.
  - “Steering Assist”
  - Select to enable/disable steering wheel assistance.
  - “Sensitivity”
  - Select to set the warning sensitivity.
  - “Sway Warning”
  - Select to enable/disable the vehicle sway warning.
  - “Sway Sensitivity”
  - Select to set the vehicle sway warning sensitivity.
  -  PCS (Pre-Collision System) (if equipped) ( $\rightarrow$ P.192)
- Press  to enable/disable the pre-collision system.
- PCS (Pre-Collision System) on/off
  - Select to enable/disable the pre-collision system.

sion system.

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

- “Sensitivity”

Select to change the pre-collision warning timing.

#### ■ Vehicle settings

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

-  PBD (Power Back Door) (if equipped)\* ( $\rightarrow$ P.113)

- “System Settings”

Select to enable/disable the power back door system.

- “Opening Adjustment”

Select the open position when power back door is fully open.

- “Volume”

Select to set the volume of the buzzer which sounds when the power back door system operates.

\*: Vehicles with a power back door

- “TPWS” (Tire Pressure Warning System) ( $\rightarrow$ P.330)

- “Set Pressure” (tire pressure warning system initialization)

Select to initialize the tire pressure warning system.

- “Change Wheel” (change the tire pressure warning system sensor ID code set)

Select to change the tire pressure warning system sensor ID code set. To enable this function, a second set of tire pressure warning system sensor ID codes must be registered by a Toyota dealer. For information regarding changing the registered ID code set,

contact your Toyota dealer. (→P.335)

- “Change Wheel” (register tire pressure warning system sensor ID codes)

Select to register the ID codes of the tire pressure sensors to the tire pressure warning system.

### **Meter settings**

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

- **Language**

Select to change the language displayed.

- **Units**

Select to change the units of measure displayed.

-  **EV indicator** (→P.164)

Select to enable/disable the EV indicator.

- 

Select to change the displayed content of the following:

- **Hybrid system indicator**

Select to display/not display the Eco Accelerator Guidance. (→P.70)

- **Fuel economy display**

Select to change the average fuel consumption display between after start/after reset. (→P.74)

- 

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

- 

Select to change the displayed content of the following:

- **Display contents**

Select to display/not display the AWD control (if equipped) and energy monitor. (→P.77, 96)

- **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.

- **Trip Summary**

Select to turn the display of a trip summary display.

- **Pop-up display**

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

- **Multi-information display off**

Displays a blank screen.

- **Default setting**

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

### **■ Vehicle functions and settings that can be changed**

→P.418

### **■ 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.

### **■ Pop-up displays**

Depending on the pop-up display, the currently displayed item in the message display area may be temporarily not displayed. The item will be displayed after

the pop-up display is no longer displayed.

### **WARNING**

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

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

### **NOTICE**

#### **■ During setting up the display**

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

### **Warning message display**



Select to display warning messages and measures to be taken if a malfunction is detected. (→P.377)

the headlight switch is in the "AUTO" position, a suggestion message will be displayed asking if you wish to turn the headlights off.

To turn the headlights off, select "Yes".

If the driver's door is opened after the power switch is turned off, this suggestion message will not be displayed.

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

If the windshield wipers are operated with a power window open, a suggestion message will be displayed asking if you wish to close the power windows.

To close all of the power windows, select "Yes".

### **■ Customization**

Some functions can be customized.  
(→P.418)

### **Suggestion function**

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

#### **■ Suggestion to turn off the headlights**

If the headlights are left on for a certain amount of time after the power switch has been turned off, if

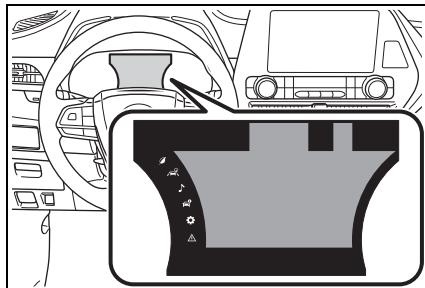
## Multi-information display (7-inch display)

### Display and menu icons

#### ■ Display

The multi-information display presents the driver with a variety of driving-related information.

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



#### ■ Menu icons

Select a menu icon to display its content.



Driving information display  
→P.82



Driving support system information display →P.85



Audio system-linked display  
→P.85



Vehicle information display  
→P.85



Settings display →P.86



Warning message display  
→P.89

#### ■ 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

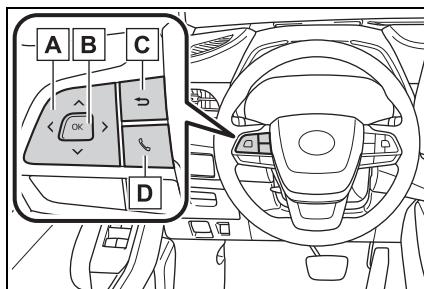
- When operating the multi-information display while driving, pay extra attention to the safety of the area around the vehicle.
- Do not look continuously at the multi-information display while driving as you may fail to see pedestrians, objects on the road, etc. ahead of the vehicle.

#### ■ The information display at low temperatures

→P.71

### Changing the meter display

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



**A** Scroll screens\*, change the displayed content\* and move the cursor

**B** Press: Enter/Set  
Press and hold: Reset/Display

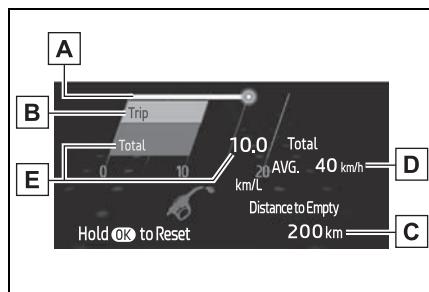
- customizable items
- C** Return to the previous screen
- D** Call sending/receiving and history display
- Linked with the hands-free system, sending or receiving call is displayed. For details regarding the hands-free system, refer to the "Navigation and Multimedia System Owner's Manual".
- \*: On screens where the screen can be scrolled and the display can be switched, a scroll bar or a round icon that shows the number of registered screens is displayed.
- Displays the 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 power switch off. If the vehicle is refueled without turning the power switch off, the display may not be updated. When "Refuel" is displayed, the remaining fuel amount is low and the distance that can be driven with the remaining fuel cannot be calculated. Refuel immediately.

### Driving information display



#### Fuel economy

Use the displayed values as a reference only.



#### A Current fuel consumption

Displays the instantaneous current fuel consumption.

#### B Average fuel economy (after start)

Displays the average fuel consumption since hybrid system start.\*<sup>1</sup>

#### C Driving range

#### D Gadget<sup>\*2</sup>

The following items can be displayed by changing the settings for gadget content and fuel economy type on .

(→P.86)

- Other

Blank: No item

- Average vehicle speed

After start: Displays average vehicle speed since hybrid system start

After reset: Displays average vehicle speed since the display was reset<sup>\*3</sup>

- Distance

After start: Displays the distance driven since vehicle start.

After reset: Displays the distance driven since the display was reset<sup>\*3</sup>

- Elapsed time

After start: Displays elapsed time since hybrid system start

After reset: Displays elapsed time since the display was reset<sup>\*3</sup>

**E Average fuel economy**

Displayed item (listed below) can be changed on the fuel economy type screen of . (→P.86)

- Total (after reset)

Displays the average fuel consumption since the display was reset.\*<sup>1, 3</sup>

- Tank (after refuel)

Displays the average fuel consumption since the vehicle was refueled.\*<sup>1</sup>

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

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

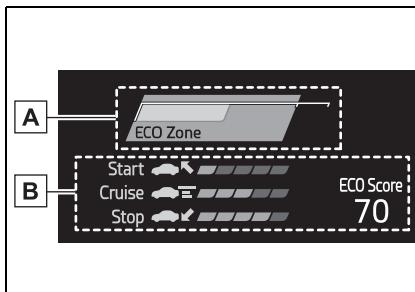
\*<sup>1</sup>: Use the displayed fuel consumption as a reference only.

\*<sup>2</sup>: The default setting is no display.

\*<sup>3</sup>: This display can be reset by pressing and holding while it is displayed.

### ■ ECO Accelerator Guidance/Eco score

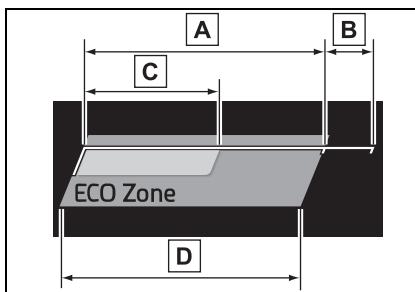
Displays a reference operation range for using the accelerator pedal according to driving conditions, and a score result that evaluates the current driving status.



**A** ECO Accelerator Guidance

**B** Eco score

- ECO Accelerator Guidance



**A** Eco area

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

**B** Power area

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

**C** Current accelerator pedal operation

Displayed as a green bar when within the Eco area.

Eco-friendly acceleration can be achieved by keeping the accelerator pedal operation display within the range indicated by the blue bar. (→P.153)

**D** Zone of Eco acceleration

Displayed as a blue bar, and represents an estimated suitable accelerator pedal

2

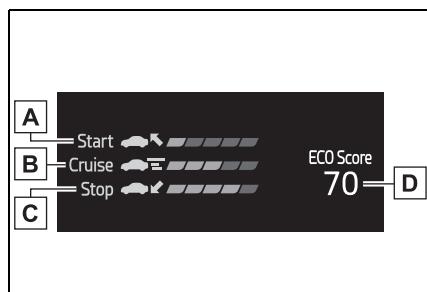
Vehicle status information and indicators

operation range for the current driving conditions, such as starting off or cruising.

This display changes according to situation, such as when starting off or cruising.

- Eco score

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



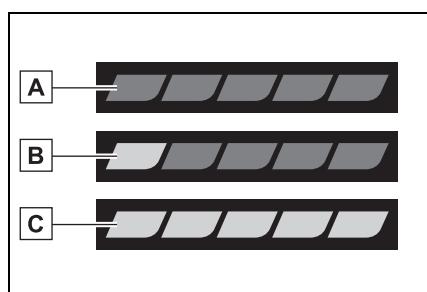
**A** Eco start status

**B** Eco cruise status

**C** Eco stop status

**D** Score result

How to read the bar display



**A** Not yet evaluated

**B** Low

**C** High

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

■ **Speedometer display (digital speed)/Driving range**

- Speedometer display (digital speed)

→P.88

- 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 power switch off. If the vehicle is refueled without turning the power switch off, the display may not be updated.

When "Refuel" is displayed, the remaining fuel amount is low and the distance that can be driven with the remaining fuel cannot be calculated.  
Refuel immediately.

■ **The ECO Accelerator Guidance/Eco score will not operate when**

The ECO Accelerator Guidance/Eco score will not operate in the following situations:

- The Hybrid System Indicator is not operating.
- The vehicle is being driven using the cruise control (if equipped), dynamic radar cruise control (if equipped) or dynamic radar cruise control with full-speed range (if equipped).

### 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.200)
- LDA (Lane Departure Alert with steering control) (if equipped) (→P.210)
- Dynamic radar cruise control with full-speed range (if equipped) (→P.218)
- Dynamic radar cruise control (if equipped) (→P.228)
- Cruise control (if equipped) (→P.237)

#### ■ 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.92)

play, it will not be displayed on the multi-information display. (→P.92)

### 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 .

2

Vehicle status information and indicators

### Vehicle information display ( ⓘ )

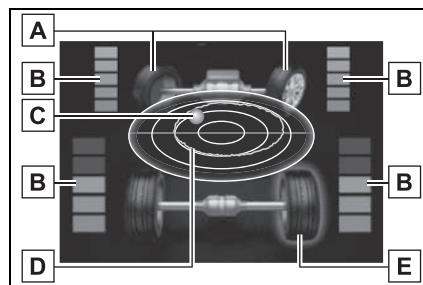
#### ■ Energy monitor

→P.96

#### ■ Tire pressure

→P.330

#### ■ AWD Control (if equipped)



##### A Front tire direction display

Displays the operation amount and direction of the steering wheel via changes to the front tires on the display.

##### B Torque distribution display

Displays the drive status of each wheel in 6 steps from 0 to 5.

##### C G-force display\*

Displays the size and direction of the G-force applied to the vehicle via changes to the position of the ball on the display.

**D Maximum G-force course\***

This item is linked with the G-force display and the course of the past movement of the ball is displayed. Press and hold  to reset the record.

**E Wheel spin display**

When a tire is spinning, its icon on the display changes its color and blinks.

\*: This item is displayed only when driving mode is set to sport mode.

**Safety system status**

Enable/Disable the following systems:

- PCS (Pre-Collision system) (if equipped) ( $\rightarrow$ P.192)
- Toyota parking assist-sensor (if equipped) ( $\rightarrow$ P.244)
- BSM (Blind Spot Monitor) (if equipped) ( $\rightarrow$ P.239)
- RCTA (Rear Crossing Traffic Alert) (if equipped) ( $\rightarrow$ P.251)

**Tire pressure**

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

measured using a tire pressure gauge.

**Settings display (⚙)**

**Changing settings**

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

- 1 Press  $\wedge$  or  $\vee$  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 .

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

**Setting items**

-  LTA (Lane Tracing Assist) (if equipped)/LDA (Lane Departure Alert with steering control) (if equipped) ( $\rightarrow$ P.200, 210)

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

- “Lane Center” (LTA [Lane Tracing Assist] only)

Select to enable/disable the lane centering function.

- “Steering Assist”

Select to enable/disable steering wheel assistance.

- “Sensitivity”

Select to set the warning sensitivity.

- “Sway Warning”

Select to enable/disable the vehicle sway warning.

- “Sway Sensitivity”

Select to set the vehicle sway warning sensitivity.

-  PCS (Pre-Collision System) (if equipped) (→P.192)

Press  to enable/disable the pre-collision system.

- PCS (Pre-Collision System) on/off

Select to enable/disable the pre-collision system.

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

- “Sensitivity”

Select to change the pre-collision warning timing.

-  BSM (Blind Spot Monitor) (→P.239)

Press  to enable/disable the Blind Spot Monitor function.

- BSM (Blind Spot Monitor) on/off

Select to enable/disable the Blind Spot Monitor function.

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

- “Brightness”

Select to switch the brightness of the outside rear view mirror indicators. (→P.240)

- “Sensitivity”

Select to change the alert timing for an approaching vehicle.

-  Toyota parking assist-sensor (if equipped) (→P.244)

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

- Toyota parking assist-sensor on/off

Select to enable/disable the Toyota parking assist-sensor.

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

- “Volume”

Select to set the volume of the buzzer which sounds when the Toyota parking assist-sensor is operated.

-  RCTA (Rear Cross Traffic Alert) (→P.251)

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

- RCTA (Rear Cross Traffic Alert) on/off

Select to enable/disable the Rear Cross Traffic Alert function.

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

- “Volume”

Select to change the volume of the RCTA buzzer.

-  HUD (Head-up display) (→P.91)

Press  to enable/disable the head-up display.

- HUD (Head-up display) on/off

Select to enable/disable the head-up display.

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

- “HUD Brightness/Position”

Select to adjust the brightness/position

## 88 2-1. Instrument cluster

of the head-up display.

- “HUD Driving Support”

Select to change the displayed head-up display driving support item.

- “HUD Rotation”

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

### ■ Vehicle settings

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

-  PBD (Power Back Door)

(→P.113)

- “System Settings”

Select to enable/disable the power back door system.

- “Opening Adjustment”

Select the open position when power back door is fully open.

- “Volume”

Select to set the volume of the buzzer which sounds when the power back door system operates.

- “TPWS” (Tire Pressure Warning System) (→P.330)

- “Set Pressure” (tire pressure warning system initialization)

Select to initialize the tire pressure warning system.

- “Change Wheel” (change the tire pressure warning system sensor ID code set)

Select to change the tire pressure warning system sensor ID code set. To enable this function, a second set of tire pressure warning system sensor ID codes must be registered by a Toyota dealer. For information regarding changing the registered ID code set,

contact your Toyota dealer. (→P.335)

- “Change Wheel” (register tire pressure warning system sensor ID codes)

Select to register the ID codes of the tire pressure sensors to the tire pressure warning system.

### ■ Meter settings

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

- Language

Select to change the language displayed.

- Units

Select to change the units of measure displayed.

-  EV indicator (→P.164)

Select to enable/disable the EV indicator.

- Speedometer display (digital speed)

Select to enable/disable the speedometer display.

- Gadget content

Select to turn the display of a gadget.

- Fuel economy type

Select to change the average fuel consumption display and an item to be displayed as gadget.

- Pop-up display

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

- Multi-information display off

Displays a blank screen.

- Default setting

Select to reset the meter display set-

tings to the default setting.

### ■ Vehicle functions and settings that can be changed

→P.418

#### ■ Background color of the indicator/shift position display area

The background color of the indicator/shift position display area is changed according to the driving mode as follows (→P.256):

- Eco drive mode: Blue
- Sport mode: Red

#### ■ 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.

#### ■ Pop-up displays

Depending on the pop-up display, the currently displayed item in the message display area may be temporarily not displayed. The item will be displayed after the pop-up display is no longer displayed.

#### **WARNING**

##### ■ Cautions during setting up the display

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

#### **NOTICE**

##### ■ During setting up the display

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

#### Warning message display



Select to display warning messages and measures to be taken if a malfunction is detected. (→P.377)

#### Suggestion function

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

##### ■ Suggestion to turn off the headlights

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

To turn the headlights off, select “Yes”.

If the driver's door is opened after the power switch is turned off, this suggestion message will not be displayed.

2

Vehicle status information and indicators

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

If the windshield wipers are operated with a power window open, a suggestion message will be displayed asking if you wish to close the power windows.

To close all of the power windows, select "Yes".

**■ Customization**

Some functions can be customized.  
(→P.418)

**Head-up display\***

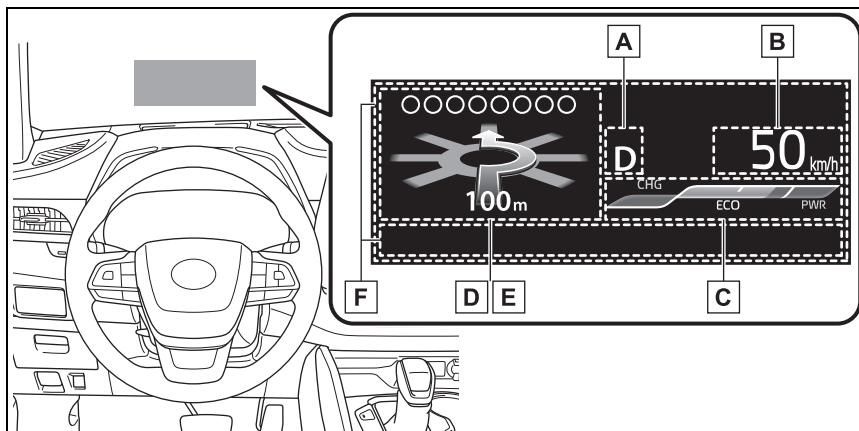
\*: If equipped

**The head-up display is linked to the meters and navigation system (if equipped) and projects a variety of information in front of the driver, such as the current vehicle speed and route guidance to a set destination.**

**System components**

2

Vehicle status information and indicators



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** Shift position display (→P.166)

**B** Vehicle speed display area

**C** Hybrid System Indicator/Tachometer/Outside temperature (→P.94)

**D** Navigation system-linked display area (if equipped) (→P.94)

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

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

**E** Driving assist system status display area (→P.94)

**F** Message display area (→P.95)

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

- Warning/message
- Hands-free system status

- Audio system operation status

**■ Head-up display will operate when**

The power 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.

**■ Outside temperature display**

If the outside temperature becomes approximately 3°C (37°F) or lower, the low outside temperature indicator will flash for 10 seconds then the low outside temperature indicator and outside temperature display will turn off. The low outside temperature indicator will operate again if the outside temperature becomes approximately 5°C (41°F) or more and then decreases to 3°C (37°F) or lower.

**⚠ WARNING**

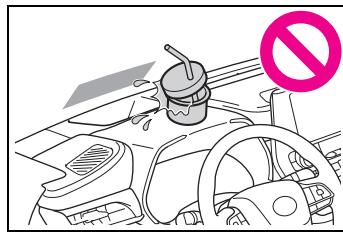
**■ Before using the head-up display**

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

**⚠ NOTICE**

**■ To prevent damage to components**

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



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

**Using the head-up display**

**■ Changing settings of the head-up display**

Select on the multi-information display (→P.418) and then .

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

Press to enable/disable the head-up display.

**■ Changing the head-up display settings**

Press and hold to display the

following settings.

- “HUD Brightness/Position”

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

- “HUD Driving Support”

- Tachometer Settings

Blank/Hybrid System/Tachometer

Select to change the display to blank (no display)/Hybrid System Indicator/tachometer.

Select to enable/disable the following items:

- Navigation (if equipped)
- Driving Assist
- Compass (if equipped)
- Audio
- “HUD Rotation”

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

Press the < or > switch 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 power 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.

#### ■ Automatic adjustment of the head-up display position (vehicles with driving position memory)

A desired head-up display position can be entered to memory and recalled automatically by the driving position memory system. (→P.131)

#### ■ When the 12-volt battery is disconnected

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

#### ■ Customization

Some functions can be customized. (→P.418)

### WARNING

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

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

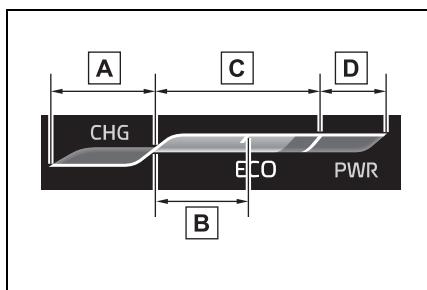
### NOTICE

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

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

### Hybrid System Indicator/Tachometer/Outside temperature

#### ■ Hybrid System Indicator



**A** Charge area

**B** Hybrid Eco area

**C** Eco area

**D** Power area

Displayed content is the same as that displayed on the meter (Hybrid System Indicator). For details, refer to P.70.

#### ■ Tachometer

Displays the engine speed in revolutions per minute.

#### ■ Outside temperature

Displayed in the following situations:

- When the power switch is turned to ON (Displayed for approximately 10 seconds)
- When the low outside temperature indicator is flashing

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

display. (→P.70)

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

Displays the following navigation system linked items:

(Refer to "Navigation and Multimedia System Owner's Manual".)

#### ■ Route guidance to destination

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

#### ■ Street name

Depending on the situation, the names of the streets of an approaching intersection will be displayed.

#### ■ Compass (heading-up display)

Displays the direction of travel.

#### ■ Street name display (vehicles with a navigation system)

Depending on the situation, such as when no information is available in map data, etc., the street names of an intersection may not be displayed.

### Driving assist system status display area

Displays the operational status of the following systems:

- LDA (Lane Departure Alert with steering control) (if equipped) (→P.210)

- LTA (Lane Tracing Assist) (if equipped) (→P.200)
- Dynamic radar cruise control with full-speed range (if equipped) (→P.218)
- Dynamic radar cruise control (if equipped) (→P.228)
- PCS (Pre-Collision System) (if equipped) (→P.192)
- Toyota parking assist-sensor (if equipped) (→P.244)
- Drive-Start Control (→P.153)
- Brake Override System (→P.153)

Displayed content is the same as that displayed on the multi-information display. For details, refer to the explanations of each system.

### icons

Displays the following multi-information display linked icons and a message:

: Master warning icon

Displayed when a warning message is displayed on the multi-information display. (→P.377)

: Information icon

Displayed when a suggestion/advice pop-up display is displayed on the multi-information display. (→P.80, 89)

### Message display area

Depending on the situation, the following will be displayed:

### ■ Warning/Message

Depending on the situation, a warning message or other message will be displayed.

#### ● Warning messages

Certain warning messages can be displayed.

#### ● Pop-up displays

When the driving assist system operates, some of the information displayed on the multi-information display will be displayed on the head-up display as a pop-up display.

### ■ Hands-free system status

Displayed when the hands-free system is operated.

(Refer to “Navigation and Multimedia System Owner’s Manual”.)

### ■ Audio system operation status

Displayed when the audio system is operated.

(Refer to “Navigation and Multimedia System Owner’s Manual”.)

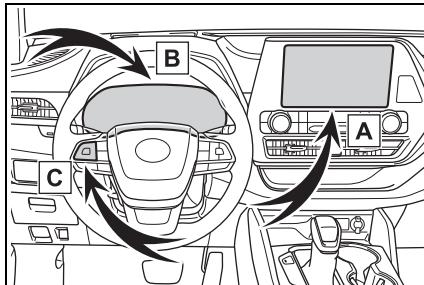
### ■ Pop-up displays

Depending on the pop-up display, the currently displayed item in the message display area may be temporarily not displayed. The item will be displayed after the pop-up display is no longer displayed.

### Energy monitor/consumption screen

The state of the hybrid system can be viewed on the multi-information display and audio system display.

### System components



A Audio system screen

B Multi-information display

C Meter control switches

### Energy monitor

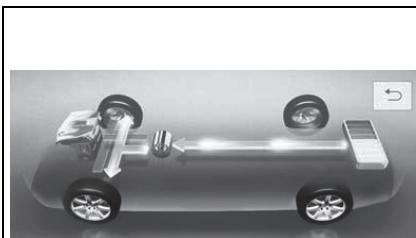
#### ■ Audio system screen

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

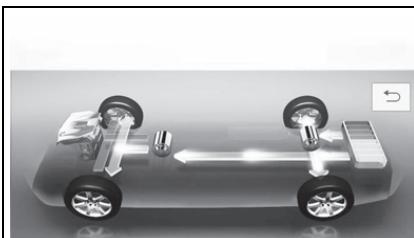
If a screen other than “Energy monitor” is displayed, select “Energy”.

When the vehicle is powered by the electric motor (traction motor)

2WD/AWD models

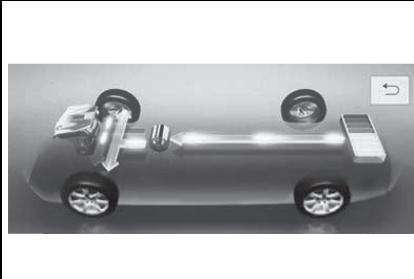


AWD models only

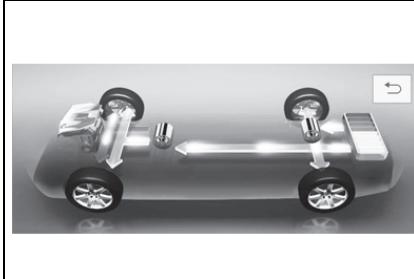


When the vehicle is powered by both the gasoline engine and the electric motor (traction motor)

2WD/AWD models



AWD models only

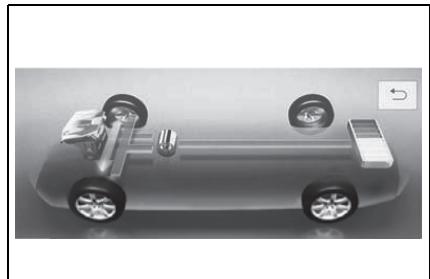


2

Vehicle status information and indicators

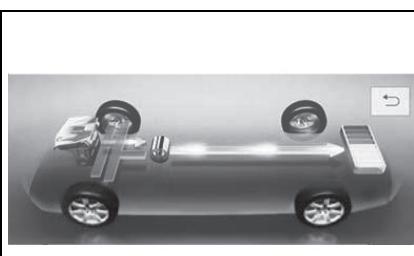
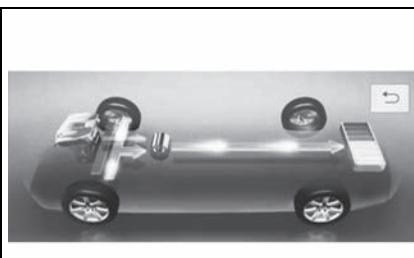
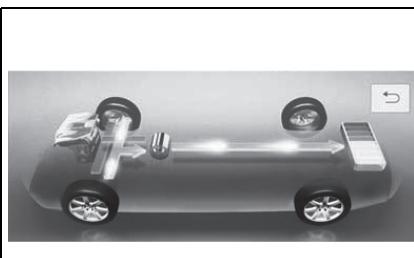
When the vehicle is powered by the gasoline engine

2WD/AWD models

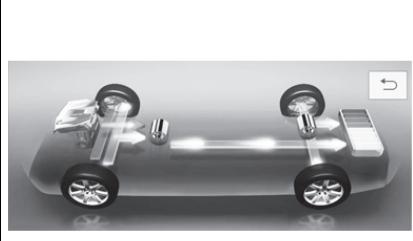
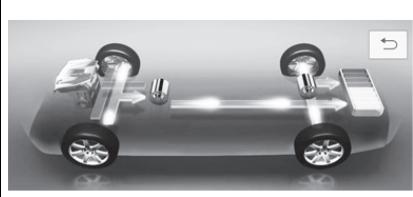


When the vehicle is charging the hybrid battery (traction battery)

2WD/AWD models

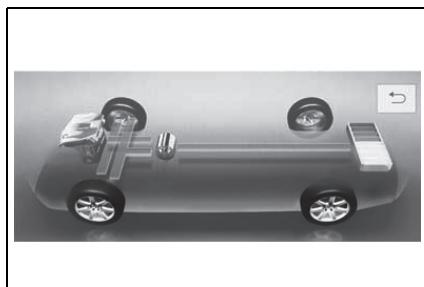


AWD models only



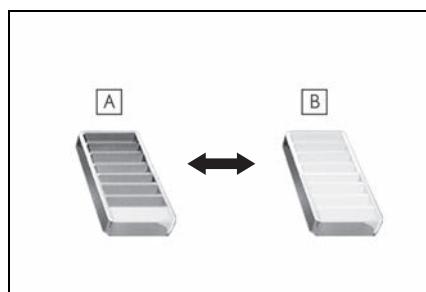
When there is no energy flow

2WD/AWD models



These images are examples only, and may vary slightly from actual conditions.

- ▶ Hybrid battery (traction battery) status



**A** Low

**B** High

These images are examples only, and may vary slightly from actual conditions.

#### ■ Multi-information display

- ▶ 4.2-inch display
- 1 Press < or > of the meter control switch to select .

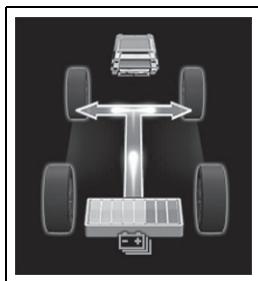
2

Vehicle status information and indicators

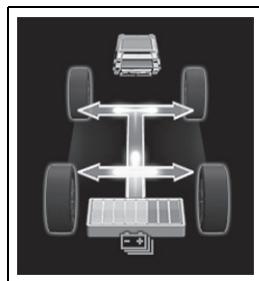
## 100 2-1. Instrument cluster

When the vehicle is powered by the electric motor (traction motor) (Example: 7-inch display)

2WD/AWD models

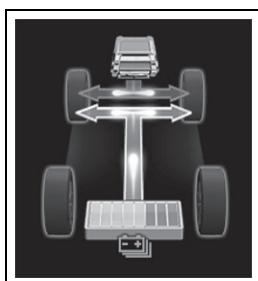


AWD models only

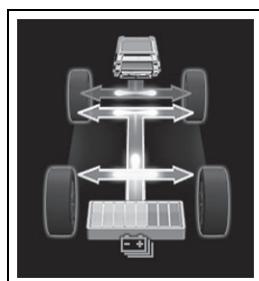


When the vehicle is powered by both the gasoline engine and the electric motor (traction motor) (Example: 7-inch display)

2WD/AWD models

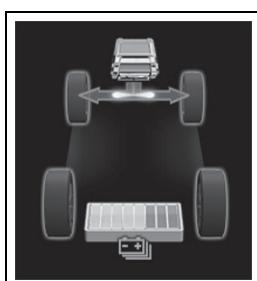


AWD models only



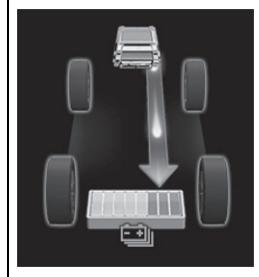
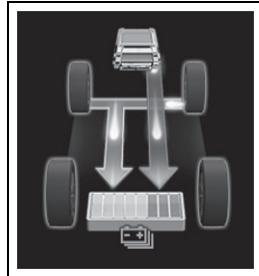
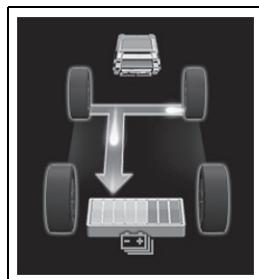
When the vehicle is powered by the gasoline engine (Example: 7-inch display)

2WD/AWD models

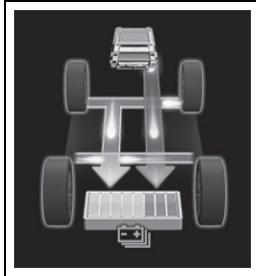
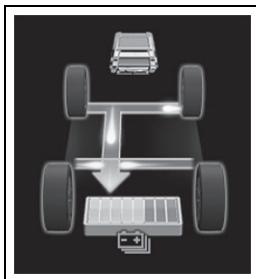


When the vehicle is charging the hybrid battery (traction battery) (Example: 7-inch display)

2WD/AWD models



AWD models only



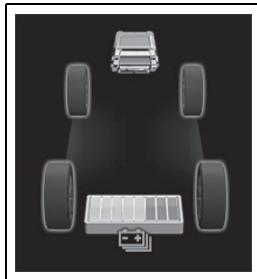
2

Vehicle status information and indicators

## 102 2-1. Instrument cluster

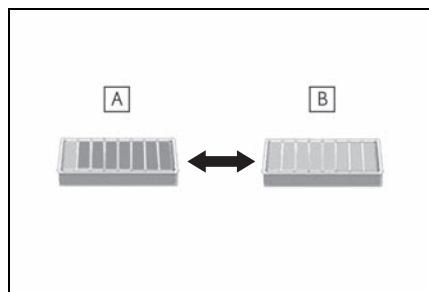
When there is no energy flow (Example: 7-inch display)

2WD/AWD models



These images are examples only, and may vary slightly from actual conditions.

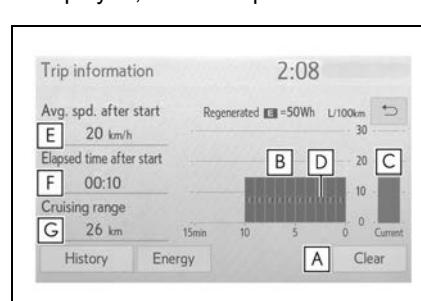
- ▶ Hybrid battery (traction battery) status (Example: 7-inch display) is displayed, select "Trip information".



**A** Low

**B** High

These images are examples only, and may vary slightly from actual conditions.



**A** Resetting the consumption data

**B** Fuel consumption in the past 15 minutes

**C** Current fuel consumption

**D** Regenerated energy in the past 15 minutes

One symbol indicates 50 Wh. Up to 5 symbols are shown.

**E** Average vehicle speed since the hybrid system was started.

**F** Elapsed time since the hybrid system was started.

**G** Cruising range

Average fuel consumption for the past 15 minutes is divided by color

### Consumption

#### ■ Trip information

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

If a screen other than "Trip information"

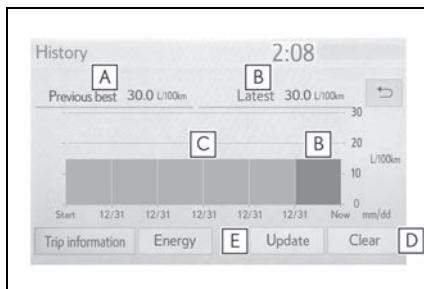
into past averages and averages attained since the power switch was last turned to ON. Use the displayed average fuel consumption as a reference.

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.

**104**    2-1. Instrument cluster

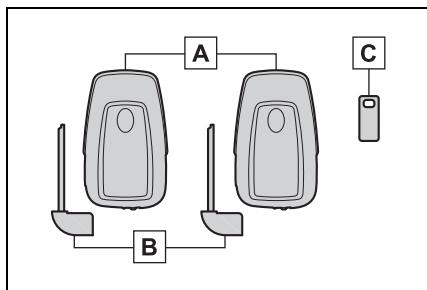
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<b>3-1. Key information</b>	
Keys .....	106
<b>3-2. Opening, closing and locking the doors</b>	
Side doors .....	109
Back door .....	113
Smart entry & start system .....	121
<b>3-3. Adjusting the seats</b>	
Front seats.....	125
Rear seats .....	126
Driving position memory ...	131
Head restraints .....	133
<b>3-4. Adjusting the steering wheel and mirrors</b>	
Steering wheel.....	136
Inside rear view mirror .....	137
Outside rear view mirrors .....	138
<b>3-5. Opening, closing the win- dows and moon roof</b>	
Power windows.....	141
Moon roof .....	144
Panoramic moon roof .....	147

## Keys

### The keys

The following keys are provided with the vehicle.



#### A Electronic keys

- Operating the smart entry & start system (→P.121)
- Operating the wireless remote control function (→P.107)

#### B Mechanical keys

#### C Key number plate

### When riding in an aircraft

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

### Electronic key battery depletion

- The standard battery life is 1 to 2 years.
- If the battery becomes low, an alarm will sound in the cabin when the hybrid system 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.122)

● 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.

- 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

### Replacing the battery

→P.345

### Confirmation of the registered key number

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

### If "A New Key has been Registered Contact Your Dealer for Details" is shown on the multi-information display

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

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

istered.

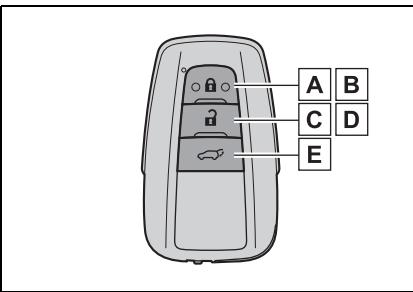
<b>NOTICE</b>	
<b>To prevent key damage</b>	
● Do not drop the keys, subject them to strong shocks or bend them.	
● Do not expose the keys to high temperatures for long periods of time.	
● Do not get the keys wet or wash them in an ultrasonic washer, etc.	
● Do not attach metallic or magnetic materials to the keys or place the keys close to such materials.	
● Do not disassemble the keys.	
● Do not attach a sticker or anything else to the surface of the electronic key.	
● Do not place the keys near objects that produce magnetic fields, such as TVs, audio systems and induction cookers.	
● Do not place the keys near medical electrical equipment such as low-frequency therapy equipment or microwave therapy equipment, and do not receive medical attention with the keys on your person.	
<b>Carrying the electronic key on your person</b>	
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.	
<b>In case of a smart entry &amp; start system malfunction or other key-related problems</b>	
→P.395	

### When an electronic key is lost

→P.394

### Wireless remote control

The electronic keys are equipped with the following wireless remote control:



3

Before driving

- [A] Locks the doors (→P.109)
- [B] Closes the windows<sup>\*1</sup> and moon roof<sup>\*1, 2</sup> (→P.109)
- [C] Unlocks the doors (→P.109)
- [D] Opens the windows<sup>\*1</sup> and moon roof<sup>\*1, 2</sup> (→P.109)
- [E] Opens and closes the power back door<sup>\*2</sup> (→P.115)

<sup>\*1</sup>: These settings must be customized at your Toyota dealer.

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

### Using the mechanical key

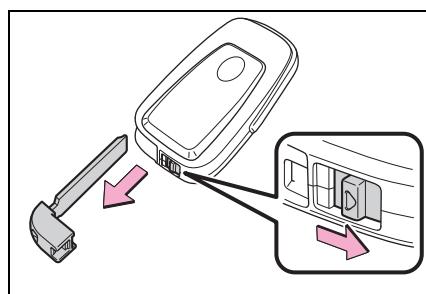
To take out the mechanical key, slide the release button and take the key out.

The mechanical key can only be inserted in one direction, as the key only has grooves on one side. If the key

## 108 3-1. Key information

cannot be inserted in a lock cylinder,  
turn it over and re-attempt to insert it.

After using the mechanical key, store it  
in the electronic key. Carry the mechan-  
ical 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.395)



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

Lock the glove box as circumstances  
demand. (→P.287)  
Remove the mechanical key for your  
own use and provide the attendant with  
the electronic key only.

### ■ If you lose your mechanical keys

→P.394

### ■ If a wrong key is used

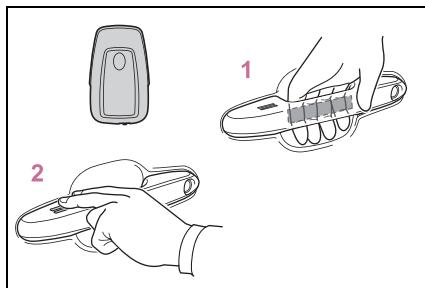
The key cylinder rotates freely, isolated  
from the internal mechanism.

**Side doors**

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

**Unlocking and locking the doors from the outside****Smart entry & start system**

Carry the electronic key to enable this function.



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

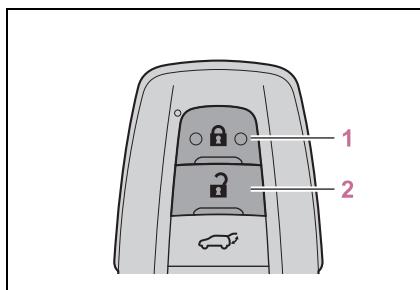
Make sure to touch the sensor on the back of the handle.

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

\*: The door unlock settings can be changed. (→P.109, 418)

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

Check that the door is securely locked.

**Wireless remote control**

- 1 Locks all the doors

Check that the door is securely locked.

Press and hold to close the windows<sup>\*1</sup> and moon roof<sup>\*1, 2</sup>

**3**

Before driving

- 2 Unlocks all the doors

Press and hold to open the windows<sup>\*1</sup> and moon roof<sup>\*1, 2</sup>

<sup>\*1</sup>: This setting must be customized at your Toyota dealer.

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

**Switching the door unlock function**

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

- 1 Turn the power switch off.
- 2 When the indicator light on the key surface is not on, press and hold or for approximately 5 seconds while pressing and holding .

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

## 110 3-2. Opening, closing and locking the doors

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.  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.

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

In case that the alarm is triggered, immediately stop the alarm. (→P.60)

### ■ Impact detection door lock release system

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

### ■ Operation signals

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

A buzzer sounds to indicate that the windows and the moon roof\* or panoramic

moon roof\* are operating.

\*: If equipped

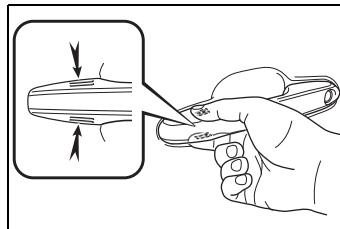
### ■ Security feature

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

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

If the door will not lock even when the topside sensor area is touched, try touching both the topside and underside sensor areas at the same time.

When gloves are being worn, remove the gloves.



### ■ Door lock buzzer

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

### ■ Setting the alarm (if equipped)

Locking the doors will set the alarm system. (→P.60)

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

→P.122

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

Use the mechanical key to lock and unlock the doors. (→P.395)

Replace the key battery with a new one if it is depleted. (→P.345)

**■ If the 12-volt battery is discharged**

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.395)

**■ Customization**

Some functions can be customized.  
(→P.418)

** WARNING**
**■ To prevent an accident**

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

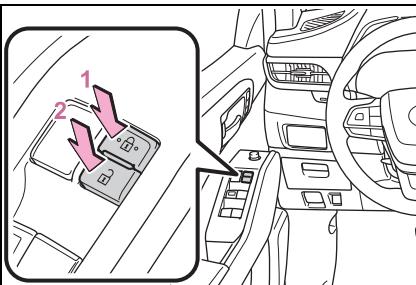
- Ensure that all doors are properly closed and locked.
- Do not pull the inside handle of the doors while driving.  
Be especially careful for the driver's door, as the door may be opened even if the inside lock button is in locked position.
- Set the rear door child-protector locks when children are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

**■ When opening or closing a door**

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

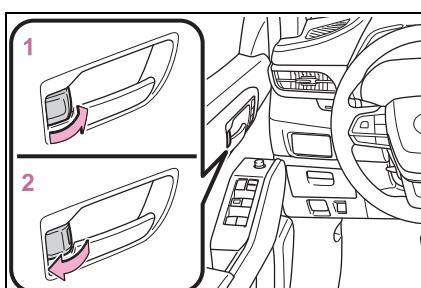
**■ When using the wireless remote control and operating the power windows or moon roof (if equipped)**

Operate the power 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. It is possible for children and other passengers to get caught in the power windows or moon roof.

**3****Before driving****Unlocking and locking the doors from the inside****■ Door lock switches**

**1** Locks all the doors

**2** Unlocks all the doors

**■ Inside lock buttons**

**1** Locks the door

**2** Unlocks the door

## 112 3-2. Opening, closing and locking the doors

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

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

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

The door cannot be locked if the power switch is in 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.

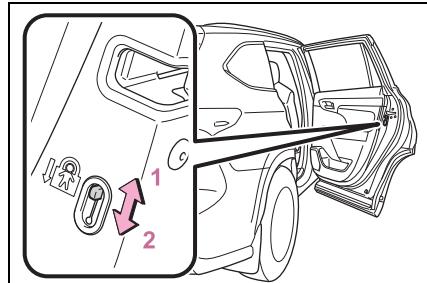
### ■ Open door warning buzzer

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

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

### Rear door child-protector lock

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



1 Unlock

2 Lock

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

### Automatic door locking and unlocking systems

The following functions can be set or canceled:

For instructions on customizing, refer to P.418.

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

**Back door**

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

**WARNING**

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

**Before driving the vehicle**

Before driving the vehicle, make sure that the back door is fully closed. If the back door is not fully closed, it may open unexpectedly while driving, causing an accident.

**Caution while driving**

- Keep the back door closed while driving.

If the back door is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident.

In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the back door before driving.

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

**When children are in the vehicle**

- Do not allow children to play in the luggage compartment.

If a child is accidentally locked in the luggage compartment, they could have heat exhaustion or other injuries.

- Do not allow a child to open or close the back door.

Doing so may cause the back door to move unexpectedly, or cause the child's hands, arms, head, or neck to be caught by the closing back door.

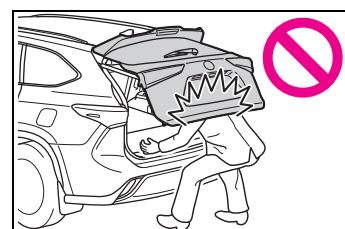
**Operating the back door**

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

- Remove any heavy loads, such as snow and ice, from the back door before opening it. Failure to do so may cause the back door to suddenly shut again after it is opened.
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- Use caution when opening or closing the back door in windy weather as it may move abruptly in strong wind.
- Vehicles without a power back door: The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.

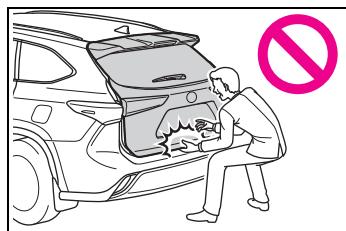
3

Before driving



**⚠ WARNING**

- Vehicles with a power back door:  
The back door may suddenly shut if it is not opened fully while on a steep incline. Make sure that the back door is secured before using the luggage compartment.
- When closing the back door, take extra care to prevent your fingers, etc., from being caught.



- When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.
- Do not pull on the back door damper stay (vehicles without a power back door) (→P.115) or back door spindle (vehicles with a power back door) (→P.119) to close the back door, and do not hang on the back door damper stay (vehicles without a power back door) or back door spindle (vehicles with a power back door).

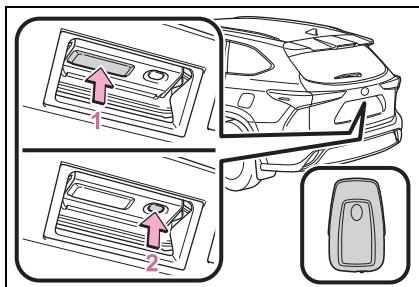
Doing so may cause hands to be caught or the back door damper stay (vehicles without a power back door) or back door spindle (vehicles with a power back door) to break, causing an accident.

- If a heavy object is attached to the back door, it may suddenly shut again after being opened, causing someone's hands, arms, head or neck to be caught and injured. Do not attach any accessories other than genuine Toyota parts to the back door.

**Unlocking and locking the back door from the outside**

■ **Smart entry & start system**

Carry the electronic key to enable this function.



**1 Unlocks all the doors**

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

**2 Locks all the doors**

Check that the door is securely locked.

■ **Wireless remote control**

→P.109

■ **Operation signals**

→P.110

**Unlocking and locking the back door from the inside**

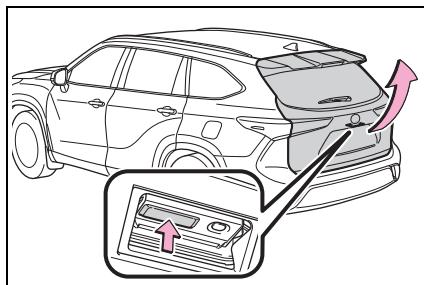
■ **Door lock switches**

→P.111

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

#### ■ Opening the back door

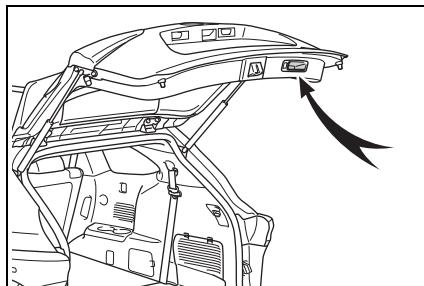
Raise the back door while pushing up the back door opener switch.



#### ■ Closing the back door

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

Be careful not to pull the back door sideways when using a handle.



#### ■ Open door warning buzzer

→P.112

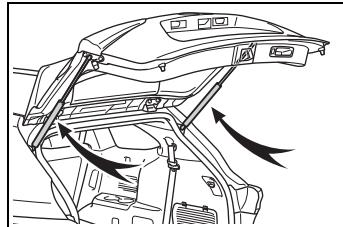
### NOTICE

#### ■ Back door damper stays

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

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

- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the damper stay rod.



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

**3**

Before driving

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

#### ■ Opening/closing the back door using the wireless remote control

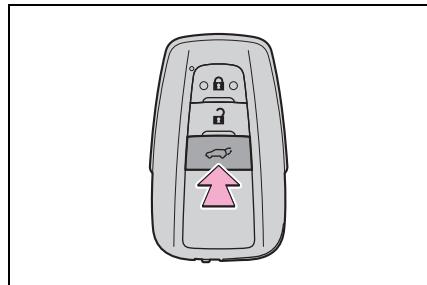
Press and hold the switch.

Unlock the back door before operating.

Pressing the switch while the back door is opening/closing will stop the operation. Pressing and holding the switch again will operate the back door in the

## 116 3-2. Opening, closing and locking the doors

opposite direction.



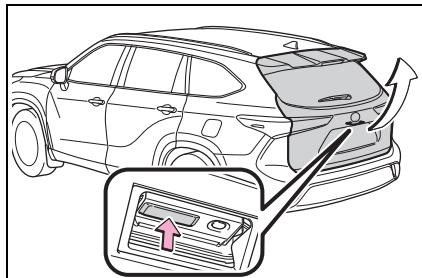
### ■ Opening/closing the back door using the power back door switch on the instrument panel

Press and hold the switch.

Unlock the back door before operating.

Pressing the switch while the back door is opening/closing will stop the operation. Pressing and holding the switch again will operate the back door in the opposite direction.

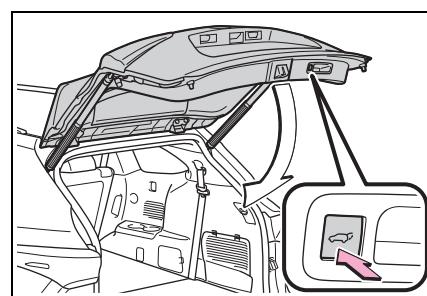
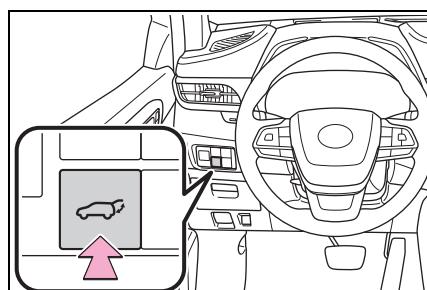
tion. Pressing the switch again will open the back door.



### ■ Opening/closing the back door using the power back door switch on the back door

Press the switch.

Pressing the switch while the back door is opening/closing will stop the operation. Pressing the switch again will operate the back door in the opposite direction.



### ■ Opening the back door using the back door opener switch

When the back door is unlocked:

Press the back door opener switch.

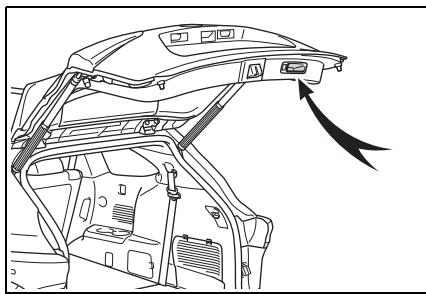
When the back door is locked:

While carrying the electronic key on your person, press the back door opener switch.

Pressing the switch while the back door is opening/closing will stop the opera-

### ■ Closing the back door using the back door handle

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



#### ■ Back door closer

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

- The back door closer can function when the power switch is in any mode.
- The back door can be opened using the back door opener switch even if the back door closer is operating.

#### ■ Power back door operating conditions

If the following conditions are met, the power back door can be opened and closed automatically.

- When the power back door system is enabled. (→P.418)
- When the power switch is in ON, one of the following conditions must be met in addition to the above conditions:
  - The parking brake is engaged.
  - The brake pedal is depressed.
  - The shift lever is in P.

#### ■ Operation of the power back door

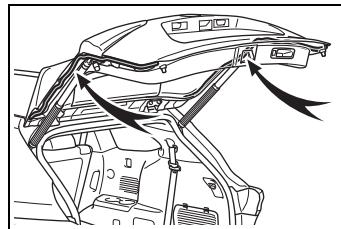
- When the power back door begins to operate, the emergency flashers will flash twice and a buzzer will sound.
- A buzzer sounds to indicate that the back door is operating.
- When the power back door is disabled, the power back door will not operate but can be opened and closed manually.

- When the power back door is opening/closing, if the power back door becomes obstructed, operation will stop.

#### ■ Jam protection function

Sensors are installed on the right and left sides of the power back door. When the door is automatically closing and the sensors are pushed due to an object being clamped, etc., the jam protection function operates.

From that position the door automatically moves a little in the opposite direction and then the function stops.



#### ■ Back door reserve lock function

This function reserves the locking of the power back door when the power back door is open. If the following operations are performed, all of the doors except the power back door will lock and then the power back door will lock when it is completely closed.

- 1 Close all of the doors, except the back door.
- 2 Perform an automatic closing operation of the power back door and lock the doors using the wireless remote control (→P.109) or smart entry & start system (→P.109) while the power back door is closing.

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

- If the electronic key is placed inside the vehicle after starting a close operation via the door reserve lock function, the electronic key may become locked inside the vehicle.
- If the back door does not fully close due to the operation of the jam protec-

3

Before driving

## 118 3-2. Opening, closing and locking the doors

tion function, etc., while the back door is automatically closing after a door reserve lock operation is performed, the door reserve lock function is canceled and all the doors will unlock.

- Before leaving the vehicle, make sure that all the doors are closed and locked.

### ■ When reconnecting the 12-volt battery

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

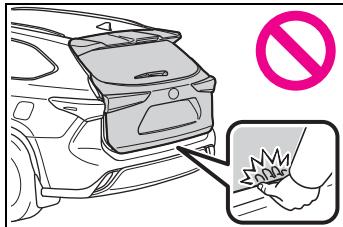
### ■ Customization

Some functions can be customized.  
(→P.418)

#### WARNING

##### ■ Back door closer

- In the event that the back door is left slightly open, the back door closer will automatically close it to the fully closed position. It takes several seconds before the back door closer begins to operate. Be careful not to get fingers caught or anything else in the back door, as this may cause bone fractures or other serious injuries.



- Use caution when using the back door closer as it still operates when the power back door system is disabled.

##### ■ Power back door

Observe the following precautions when operating the power back door. Failure to do so may cause death or serious injury.

- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.

- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.

- If the power back door system is disabled while the power back door is operating, the back door will stop operating. The back door must then be operated manually. Take extra care in this situation, as the back door may open or close suddenly.

- If the operating conditions of the power back door (→P.117) are no longer met, a buzzer may sound and the back door may stop opening or closing. The back door must then be operated manually. Take extra care on an incline in this situation, as the back door may move suddenly.

- On an incline, the back door may suddenly shut after it opens. Make sure the back door is fully open and secure.

- In the following situations, the power back door may detect an abnormality and automatic operation may be stopped. In this case, the back door must then be operated manually. Take extra care in this situation, as the stopped back door may suddenly open or close, causing an accident.

- When the back door contacts an obstacle
- When the 12-volt battery voltage suddenly drops, such as when the power switch is turned to ON or the hybrid system is started during automatic operation

**WARNING**

- If a heavy object is attached to the back door, the back door may not operate, causing a malfunction, or the back door may suddenly shut again after being opened, causing someone's hands, arms, head or neck to be caught and injured. Do not attach any accessories other than genuine Toyota parts to the back door.

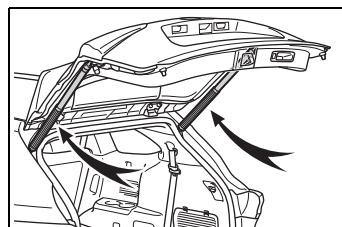
**Jam protection function**

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

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

**NOTICE****Back door spindles**

The back door is equipped with spindles that hold the back door in place. Observe the following precautions. Failure to do so may cause damage to the back door spindle, resulting in malfunction.



- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the spindle rod.

- Do not attach any accessories other than genuine Toyota parts to the back door.

- Do not place your hand on the spindle or apply lateral forces to it.

**To prevent back door closer malfunction**

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

**To prevent malfunction of the power back door**

- Make sure that there is no ice between the back door and frame that would prevent movement of the back door. Operating the power back door when excessive load is present on the back door may cause a malfunction.

- Do not apply excessive force to the power back door while the back door is operating.

- Take care not to damage the sensors (installed on the right and left edges of the power back door) with a knife or other sharp object. If a sensor is disconnected, the power back door will not close automatically.

3

Before driving

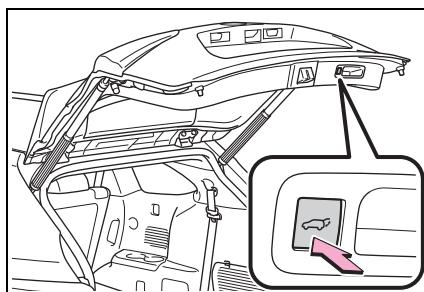
**Adjusting the open position of the back door (vehicles with a power back door)**

The open position of the power back door can be adjusted.

- Stop the power back door at the desired position. (→P.116)

## 120 3-2. Opening, closing and locking the doors

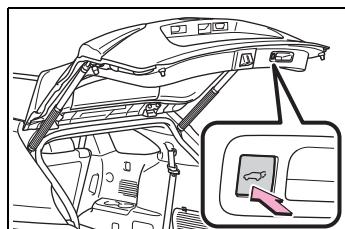
- 2 Press and hold the power back door switch on the back door for approximately 2 seconds.
- When setting is complete, a buzzer will sound 4 times.
  - The next time the power back door is opened, it will stop at that position.
- open to the last position set using the power back door switch on the back door or on the multi-information display.



### ■ Returning the power back door opening position to the default setting

Press and hold the power back door switch on the back door for approximately 7 seconds.

A buzzer will sound 4 times, pause, and then sound 2 more times. The next time the power back door is opened, it will stop at the default position.



### ■ When setting the open position of the back door by the multi-information display

The open position of the power back door can be adjusted using the multi-information display. (→P418)

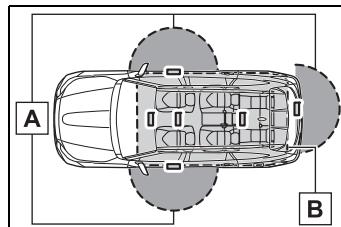
When opened, the power back door will

## Smart entry & start system

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

- Locks and unlocks the doors (→P.109)
- Locks and unlocks the back door (→P.114)
- Starts and stops the hybrid system (→P.160)

### ■ 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 an outside front door handle and back door. (Only the doors detecting the key can be operated.)

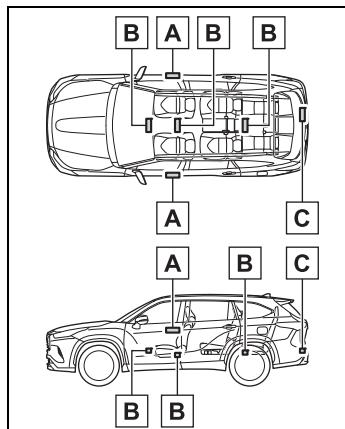
- B** When starting the hybrid system or changing power switch modes

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

**3**

Before driving

### ■ Antenna location



- A** Antennas outside the cabin  
**B** Antennas inside the cabin  
**C** Antenna outside the luggage compartment

### ■ Alarms and warning messages

A combination of exterior and interior alarms as well as warning messages shown on the multi-information display are used to prevent theft of the vehicle and accidents resulting from erroneous operation. Take appropriate measures in response to any warning message on the multi-information display. (→P.377)

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

- When an exterior alarm 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.

- When an interior alarm sounds continuously

## 122 3-2. Opening, closing and locking the doors

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

### ■ Battery-saving function

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

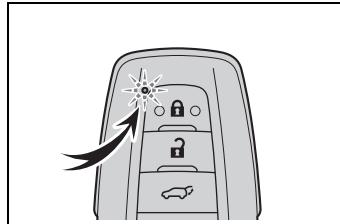
- In the following situations, the smart entry & start system may take some time to unlock the doors.
  - The electronic key has been left in an area of approximately 2 m (6 ft.) of the outside of the vehicle for 10 minutes or longer.
  - The smart entry & start system has not been used for 5 days or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

### ■ Turning an electronic key to battery-saving mode

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 immobilizer system from operating properly. (Ways of coping: →P.395)

- When the electronic key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When the electronic key is in contact with, or is covered by the following metallic objects
  - Cards to which aluminum foil is attached
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Hand warmers made of metal
  - Media such as CDs and DVDs
- When other wireless keys (that emit radio waves) are being used nearby
- When carrying the electronic key together with the following devices that emit radio waves
  - Portable radio, cellular phone, cordless phone or other wireless communication devices
  - Another 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

#### ■ Note for the entry function

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases:
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is on the instrument panel, luggage compartment, floor, or in the door pockets or glove box when the hybrid system is started or power switch modes are changed.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to unlock the vehicle.
- Even if the electronic key is not inside the vehicle, it may be possible to start the hybrid system if the electronic key is near the window.
- The doors may unlock or lock if a large amount of water splashes on the door handle, such as in the rain or in a

car wash when the electronic key is within the effective range. (The doors will automatically be locked after approximately 30 seconds if the doors are not opened and closed.)

- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- Touching the door lock 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.122)
- 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, or use the lock sensor on the lower part of the door handle.
- A sudden handle operation or a handle operation immediately after entering the effective range may prevent the doors from being unlocked. Touch

3

Before driving

## 124 3-2. Opening, closing and locking the doors

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.418)
- Setting the electronic key to battery-saving mode helps to reduce key battery depletion. (→P.122)

### ■ To operate the system properly

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

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

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

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.395)

If the hybrid system cannot be started using the smart entry & start system, refer to P.396.

### ■ Customization

Some functions can be customized. (→P.418)

### ■ 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.109, 395)
- Starting the hybrid system and changing power switch modes: →P.396
- Stopping the hybrid system: →P.161

### WARNING

#### ■ Caution regarding interference with electronic devices

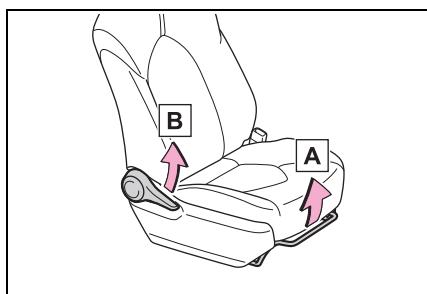
● People with implantable cardiac pacemakers, cardiac resynchronization therapy-pace-makers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the smart entry & start system antennas. (→P.121) The radio waves may affect the operation of such devices. 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-pace-makers 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.

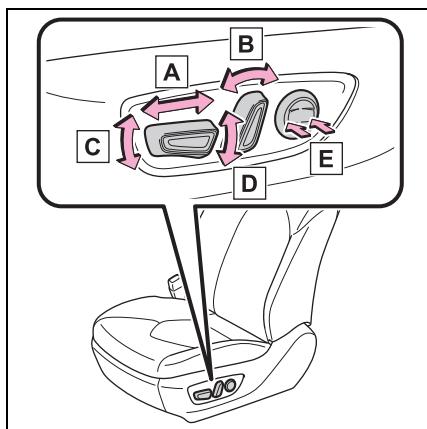
Ask your Toyota dealer for details on disabling the entry function.

**Front seats****Adjustment procedure**

## ► Manual seat

**A** Seat position adjustment lever**B** Seatback angle adjustment lever

## ► Power seat

**A** Seat position adjustment switch**B** Seatback angle adjustment switch**C** Seat cushion (front) angle adjustment switch (driver's side only)**D** Vertical height adjustment switch (driver's side only)**E** Lumbar support adjustment switch (driver's side only)**When adjusting the seat**

Take care when adjusting the seat so that the head restraint does not touch the ceiling.

**WARNING**
**When adjusting the seat position**

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

- Do not put your hands under the seat or near the moving parts to avoid injury. Fingers or hands may become jammed in the seat mechanism.

- 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.

**3****Before driving**

**⚠ WARNING**

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

**Rear seats**

**The seat position and seatback angle can be adjusted, and the seatback can be folded by operating a seatback angle adjustment lever.**

**⚠ WARNING**

**■ Seat adjustment**

- To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.

If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.

Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.

- Be careful that the seat does not hit passengers or luggage.
- Be careful not to get your hands or feet caught in the seat.

**■ After adjusting or returning the seats**

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

- Make sure that the seat and seatback are securely locked in position by lightly rocking them back and forth.
- Check that the seat belts are not twisted or caught in the seatback.

### **⚠ WARNING**

#### **■ When folding the rear seatbacks down**

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

- Do not fold the seatbacks down while driving.
- Stop the vehicle on level ground, set the parking brake and shift the shift lever to P.
- Do not allow anyone to sit on a folded seatback or in the luggage compartment while driving.
- Do not allow children to enter the luggage compartment.
- Do not fold down a rear seatback when there are passengers sitting in the rear seats or when there is luggage placed on the rear seats.
- Be careful not to catch your hand when folding the rear seatbacks.

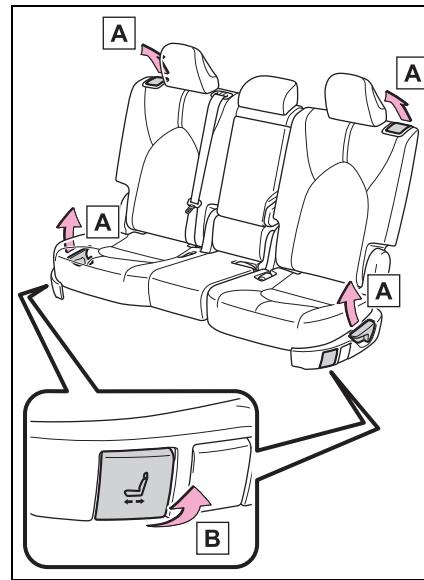
#### **■ When using the third seats**

Do not sit on the center of the third seats. There is a label as shown. Failure to do so may cause death or serious injury in the event of sudden braking or a collision.



### **Adjustment procedure**

#### **■ Second seats**



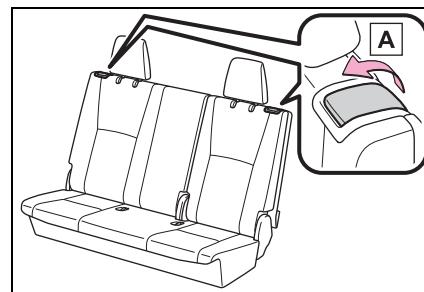
3

Before driving

**A** Seatback angle adjustment lever

**B** Seat position adjustment lever

#### **■ Third seats**



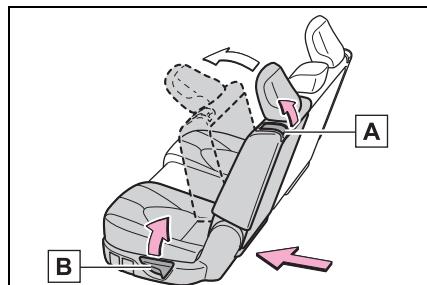
**A** Seatback angle adjustment lever

### Moving a second seat for third seat access

#### When entering/exiting the vehicle

Pull the seatback angle adjustment lever **A** or **B** to tilt the seatback forward and then slide the seat forward.

Make sure that the second seat is free of passengers and obstructions before operating the lever.



#### After passengers have entered/exited the vehicle

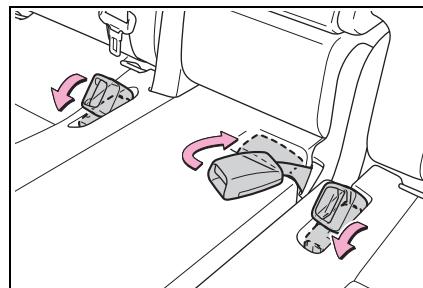
Lift up the seatback and slide the seat backward until it locks.

### Folding down the second seats

#### Before folding down the second seats

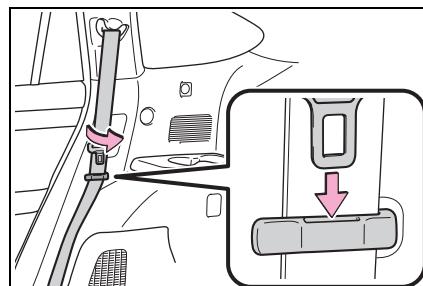
1 Stow the armrest. (→P.295)

2 Stow the second seat belt buckles.



3 Pass the outer seat belts through the seat belt hangers and secure the seat belt plates.

This prevents the shoulder belts from being damaged.



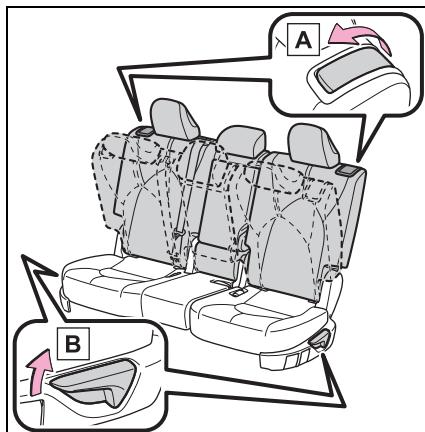
4 Lower the head restraints to the lowest position. (→P.133)

#### Folding down the second seats

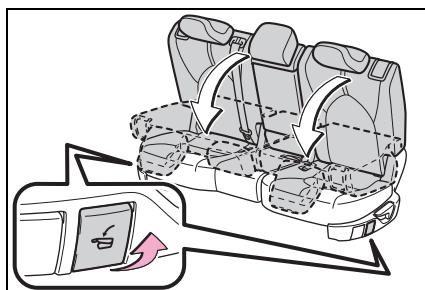
1 Pull the seatback angle adjustment lever **A** or **B** to tilt the seatback forward.

Each seatback may be folded sepa-

rately.

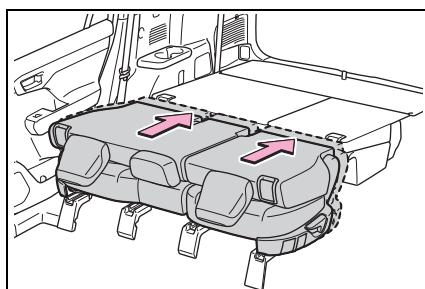


- 2 Pull the seatback folding lever to unlock the seatback. The seatback will be folded down.



#### ■ After folding down the second seats

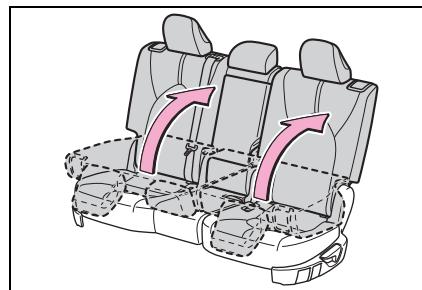
Slide the folded second seats backward until they lock.



#### ■ Returning the second seats

Lift up the seatbacks until they lock.

Remove the secured seat belts from the seat belt hangers before using them.



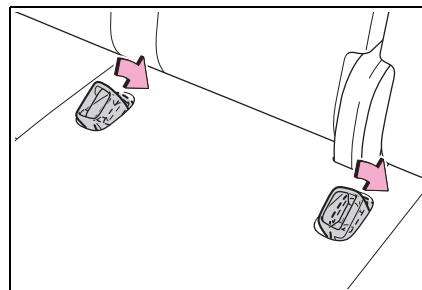
**3**

Before driving

#### ■ Folding down the third seats

##### ■ Before folding down the third seats

- 1 Stow the third seat belt buckles.

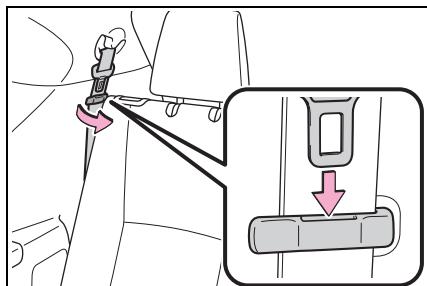


- 2 Pass the outer seat belts through the seat belt hangers and secure the seat belt plates.

This prevents the shoulder belts from

## 130 3-3. Adjusting the seats

being damaged.



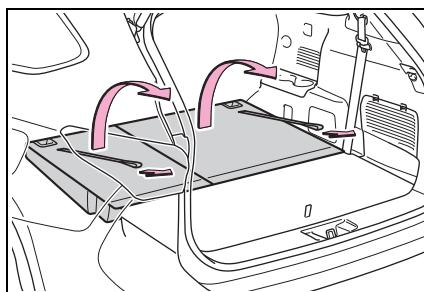
### ■ Folding down the third seats

While pulling the the seatback angle adjustment lever, fold down the seatbacks.

The head restraints will fold forward.

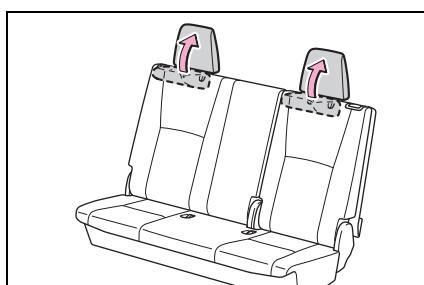
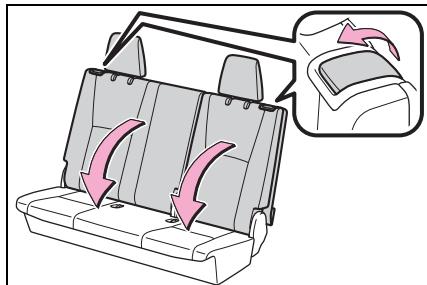
until they lock.

After using either strap, use the velcro on the strap to attach it to the seatback.



### 2 Returning the head restraints.

Remove the secured seat belts from the seat belt hangers before using them.

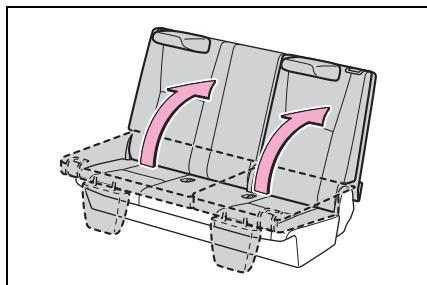


### ■ Returning the third seats

#### 1 Returning the seatbacks

##### ► From inside

Lift up the seatbacks until they lock.



##### ► From outside

Pull the straps and raise the seatbacks

## Driving position memory\*

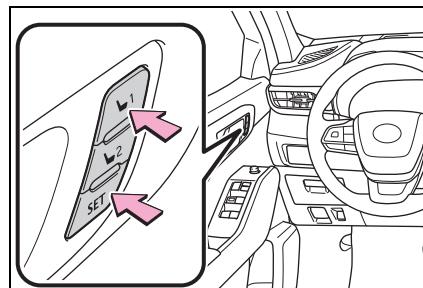
\*: If equipped

**This feature automatically adjusts the driver's seat, outside rear view mirrors and head-up display to suit your preferences.**

**Two different driving positions can be recorded into memory.**

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

will be overwritten.



### ■ Seat positions that can be memo- rized

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

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

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

3

Before driving

## Recording a driving position into memory

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

If the selected button has already been preset, the previously recorded position

### WARNING

#### ■ Seat adjustment caution

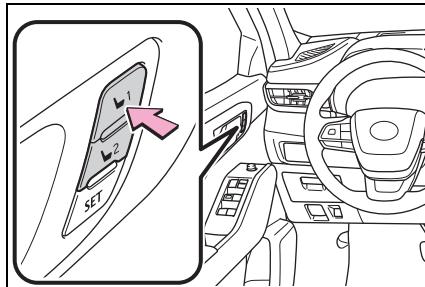
Take care during seat adjustment so that the seat does not strike the rear passenger or squeeze your body against the steering wheel.

## Recalling a driving position

- 1 Check that the shift lever is in P.
- 2 Turn the power switch to ON.

## 132 3-3. Adjusting the seats

- 3 Press one of the buttons for the driving position you want to recall until the buzzer sounds.



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

Perform any of the following operations:

- Press the "SET" button.
- Press button "1" or "2".
- Operate any of the seat adjustment switches (only cancels seat position recall).

### ■ Operating the driving position memory after turning the power switch off

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

### Registering/canceling/recall a driving position to an electronic key (memory recall function)

#### ■ Registering procedure

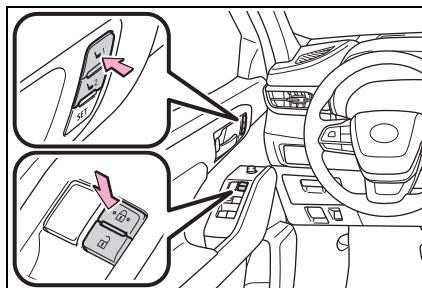
Record your driving position to button "1" or "2" before performing the following:

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

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

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

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



#### ■ Cancelation procedure

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

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

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

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

### ■ Recall procedure

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

The driving position will move to the recorded position.

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

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

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

### ■ Customization

Some functions can be customized.  
(→P.418)

## 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.

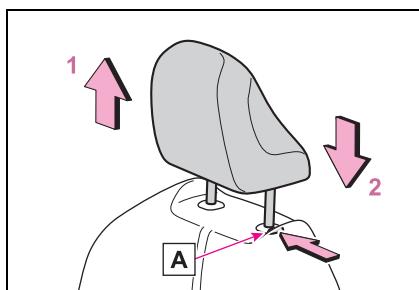
- Use the head restraints designed for each respective seat.
- Adjust the head restraints to the correct position at all times.
- After adjusting the head restraints, push down on them and make sure they are locked in position.
- Do not drive with the head restraints removed.

**3**

Before driving

## Adjusting a head restraint

### ■ Front seats



#### 1 Up

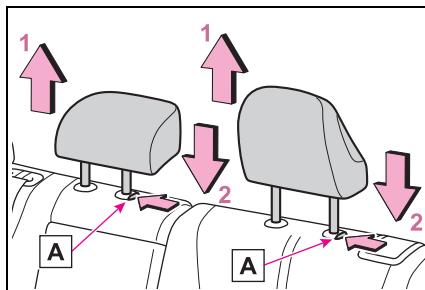
Pull the head restraints up.

#### 2 Down

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

## 134 3-3. Adjusting the seats

### ■ Second seats



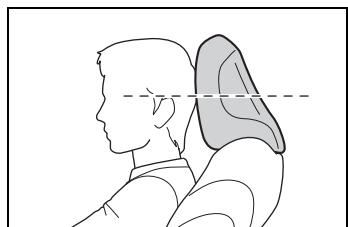
#### 1 Up

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



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

### ■ When using the third seats

If a head restraint is folded forward, make sure to return it to the upright position. (→P.130)

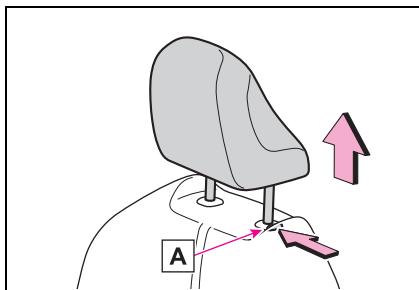
### Removing the head restraints

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

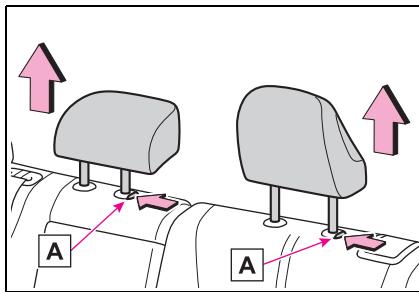
If the head restraint touches the ceiling, making the removal difficult, change the

seat height or angle. (→P.125, 126)

### ► Front seats



### ► Second seats

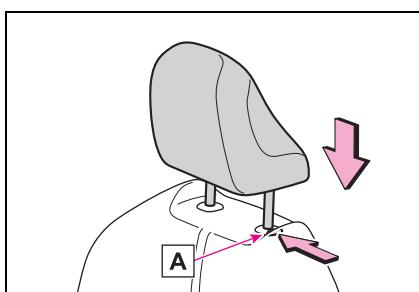


### Installing the head restraints

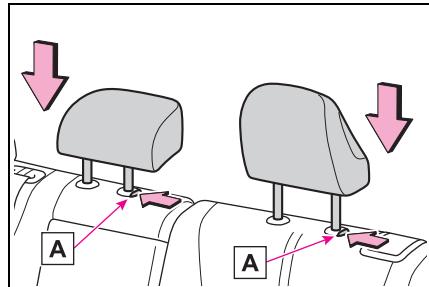
Align the head restraint with the installation holes and push it down to the lock position.

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

### ► Front seats



► Second seats

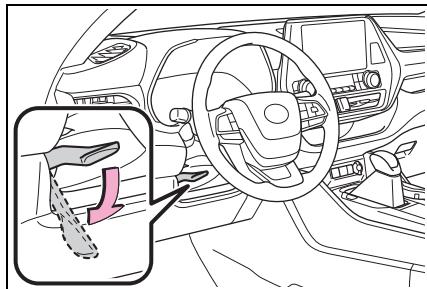


3  
Before driving

### Steering wheel

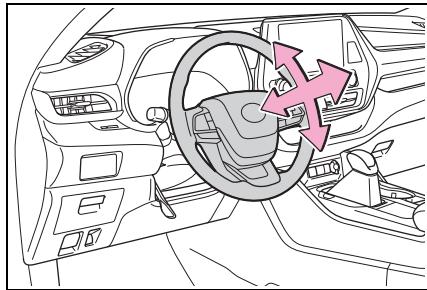
#### Adjustment procedure

- 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.

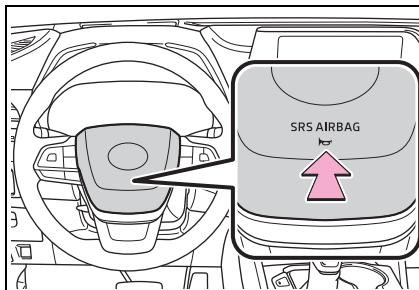
Doing so may cause the driver to mishandle the vehicle and cause an accident, resulting in death or serious injury.

#### After adjusting the steering wheel

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

### Sounding the horn

Press on or close to the mark.



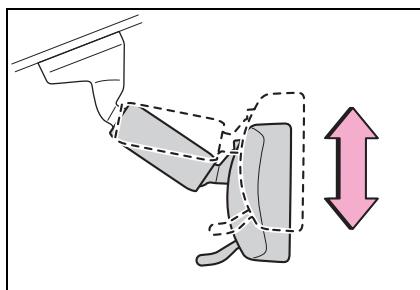
**Inside rear view mirror**

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**

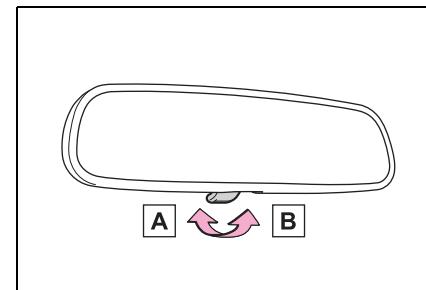
Do not adjust the position of the mirror while driving.

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

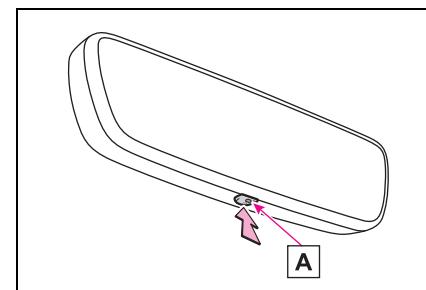
- ▶ Auto anti-glare inside rear view mirror

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

Turn the 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 power switch is turned to ON.

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

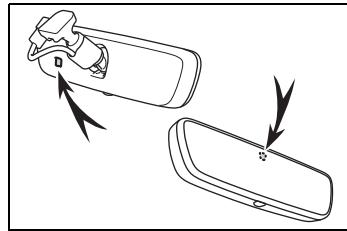


**3**

Before driving

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

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



**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**

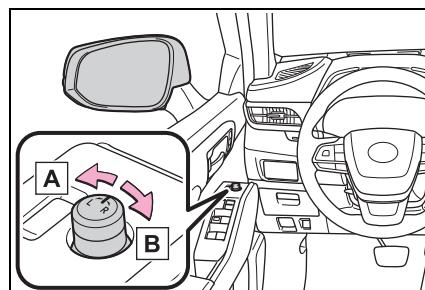
Observe the following precautions while driving.

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

- Do not adjust the mirrors while driving.
- Do not drive with the mirrors folded.
- Both the driver and passenger side mirrors must be extended and properly adjusted before driving.

**Adjustment procedure**

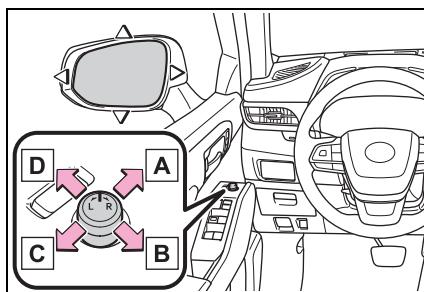
- 1 To select a mirror to adjust, turn the switch.



**A** Left

**B** Right

- 2** To adjust the mirror, operate the switch.



- [A] Up
- [B] Right
- [C] Down
- [D] Left

■ Mirror angle can be adjusted when

The power 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.274)

■ Automatic adjustment of the mirror angle (if equipped)

A desired mirror face angle can be entered to memory and recalled automatically by the driving position memory. (→P.131)

■ Linked mirror function when reversing (if equipped)

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

To disable this function, select neither "L" nor "R".

To set the mirror angle used when the vehicle is reversing, adjust the mirror

angle at a desired position with the shift lever in R.

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

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

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

**3**

Before driving

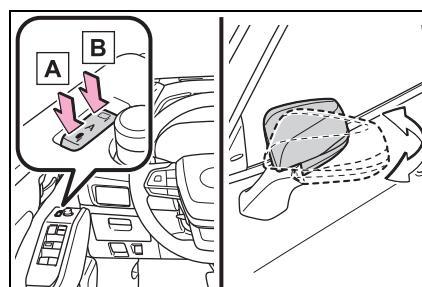
**WARNING**

■ When the mirror defoggers are operating

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

**Folding and extending the mirrors**

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



- [A] Folds the mirrors
- [B] Extends the mirrors

■ **Using automatic mode in cold weather**

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

■ **Customization**

Some functions can be customized.  
(→P.418)

 **WARNING**

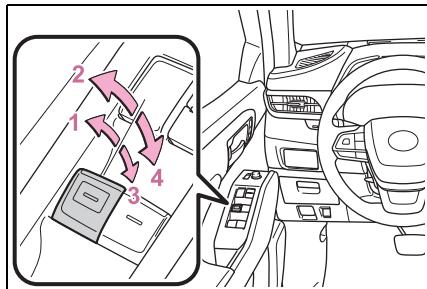
■ **When a mirror is moving**

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

## 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 power switch is in ON.

#### ■ Operating the power windows after turning the hybrid system off

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

#### ■ Jam protection function

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

#### ■ Catch protection function

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

#### ■ When the window cannot be opened or closed

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

- Stop the vehicle. With the power switch in ON, within 4 seconds of the jam protection function or catch protection function activating, continuously operate the power window switch in the one-touch closing direction or one-touch opening direction so that the door window can be opened and closed.
- If the door window cannot be opened and closed even when performing the above operations, perform the following procedure for function initialization.
  - 1 Turn the power switch to ON.
  - 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

3

Before driving

## 142 3-5. Opening, closing the windows and moon roof

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

● The power windows can be opened and closed using the mechanical key.\*  
(\*→P.396)

● The power windows can be opened and closed using the wireless remote control.\*  
(\*→P.109)

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

### ■ Power windows open warning buzzer

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

### ■ Customization

Some functions can be customized.  
(\*→P.418)

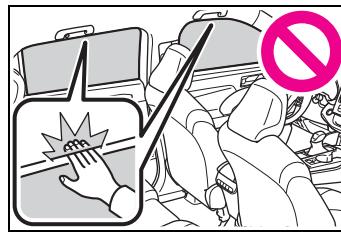
#### WARNING

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

### ■ Closing the windows

● The driver is responsible for all the power window operations, including the operation for the passengers. In order to prevent accidental operation, especially by a child, do not let a child operate the power windows. It is possible for children and other passengers to have body parts caught in the power window. Also, when riding with a child, it is recommended to use the window lock switch. (\*→P.143)

● Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window is being operated.



● When using the wireless remote control or mechanical key and operating the power windows, operate the power window after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the window. Also do not let a child operate window by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the power window.

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

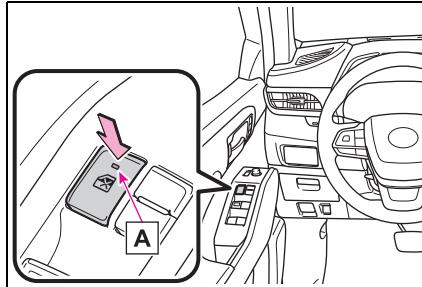
### **⚠ WARNING**

#### ■ Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets jammed just before the window is fully closed. Be careful not to get any part of your body jammed in the window.

#### ■ Catch protection function

- Never use any part of your body or clothing to intentionally activate the catch protection function.
- The catch protection function may not work if something gets caught just before the window is fully opened. Be careful not to get any part of your body or clothing caught in the window.



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

The power switch is in ON.

#### ■ When the 12-volt battery is disconnected

The window lock switch is disabled. If necessary, press the window lock switch after reconnecting the 12-volt battery.

**3**

Before driving

### **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.

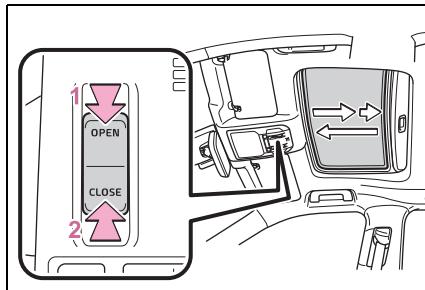
### Moon roof\*

\*: 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



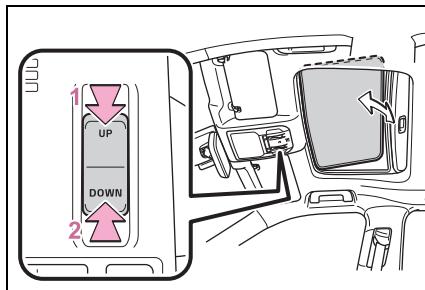
##### 1 Opens the moon roof\*

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 power switch is in ON.

#### ■ Operating the moon roof after turning the hybrid system off

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

#### ■ Jam protection function

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

#### ■ Sunshade

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

#### ■ Door lock linked moon roof operation

- The moon roof can be opened and closed using the mechanical key.\*  
→P.396)

- The moon roof can be opened and closed using the wireless remote control.\*  
→P.109)

\*: 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.\*<sup>1</sup>

The moon roof will close, reopen and pause for approximately 10 seconds.\*<sup>2</sup> 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\*<sup>1</sup> 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.\*<sup>1</sup>

The moon roof will pause for approximately 10 seconds in the tilt up position.\*<sup>2</sup> 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.

\*<sup>1</sup>: If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

\*<sup>2</sup>: If the switch is released after the above mentioned 10 second pause, automatic operation will be disabled. In that case, press and hold the "CLOSE" or "UP" switch, and the moon roof will tilt up and pause for approximately 1 second. Then it will tilt down, open and close. Check to make sure that the moon roof is completely closed and then release the switch.

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

#### ■ Moon roof open warning buzzer

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

#### ■ Customization

Some functions can be customized.  
(→P.418)

### **WARNING**

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

#### ■ Opening the moon roof

- Do not allow any passengers to put their hands or 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.

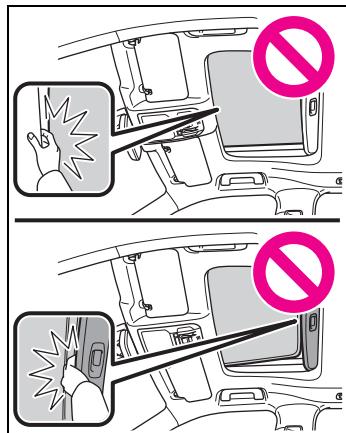
3

Before driving

## 146 3-5. Opening, closing the windows and moon roof

### **⚠ WARNING**

- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the moon roof is being operated.



- When using the wireless remote control or mechanical key and operating the moon roof, operate the moon roof after checking to make sure that there is no possibility of any passenger having any of their body parts caught in the moon roof. Also, do not let a child operate moon roof by the wireless remote control or mechanical key. It is possible for children and other passengers to get caught in the moon roof.
- When exiting the vehicle, turn the power switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

#### **■ Jam protection function**

- Never use any part of your body to intentionally activate the jam protection function.

- The jam protection function may not work if something gets caught just before the moon roof is fully closed. Also, the jam protection function is not designed to operate while the switch is being pressed. Take care so that your fingers, etc. do not get caught.

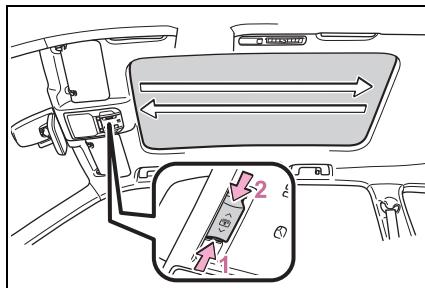
### Panoramic moon roof\*

\*: If equipped

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

#### Operating the panoramic moon roof

##### ■ Opening and closing the electronic sunshade



- 1 Opens the electronic sunshade\*
- 2 Closes the electronic sunshade\*

\*: Lightly press either side of the sunshade switch to stop the electronic sunshade partway.

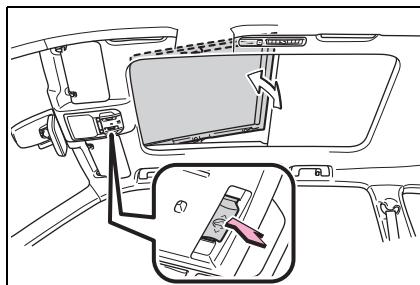
##### ■ Tilting the panoramic moon roof up and down

Tilt up (press)\*

If the panoramic moon roof is open, pressing the switch closes it up to the tilt-up position.

If the shade is closed past the half-open position when the switch is pressed, it will open up to the half-open position.

To stop operation partway, quickly slide and release the switch again.



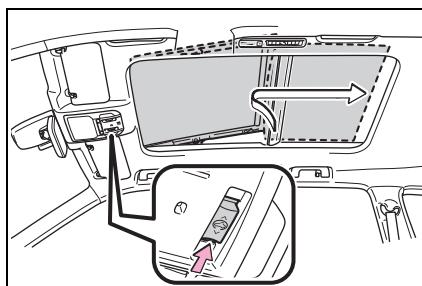
Tilt down (press and hold)

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

##### ■ Opening and closing the panoramic moon roof

Open (slide backward)\*

To stop operation partway, quickly slide and release the switch again.



Close (slide forward)\*

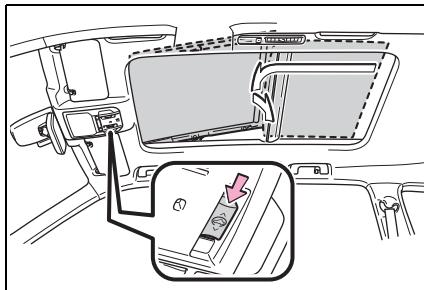
The panoramic moon roof stops at the tilt-up position.

Slide and hold the switch again to fully close the panoramic moon roof.

To stop operation partway, quickly slide and release the switch again.

3

Before driving



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

The power switch is in ON.

**■ Operating the panoramic moon roof after turning the hybrid system off**

The panoramic moon roof and electronic sunshade can be operated for approximately 45 seconds after the power switch is turned to ACC or turned off. It cannot, however, be operated once either front door is opened.

**■ Closing the shade when the panoramic moon roof is open**

- 1 Slide the shade switch forward.

The shade closes up to its half-closed position and then the panoramic moon roof closes up to the tilt-up position.

- 2 Slide and hold the shade switch again.

The panoramic moon roof closes as long as the switch is being held. After the panoramic moon roof is fully closed, the shade will fully close automatically.

**■ Jam protection function**

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

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

**■ When the panoramic moon roof does not close normally**

Perform the following procedure:

- If the panoramic moon roof closes but then re-opens slightly

- 1 Stop the vehicle.
- 2 Slide the panoramic moon roof switch forward and hold it.\*

The panoramic moon roof will close then reopen and pause for approximately 10 seconds. Then it will close up to the tilt-up position.

- 3 Release the switch and then slide it forward and hold it again.

The panoramic moon roof will close as long as the switch is being held.

- 4 Check to make sure that the panoramic moon roof is completely closed and then release the switch.

- If the panoramic moon roof tilts down but then tilts back up

- 1 Stop the vehicle.
- 2 Slide the panoramic moon roof switch forward and hold it.\*

The panoramic moon roof will tilt down then tilt up and pause for approximately 10 seconds. Then it will close.

- 3 Check to make sure that the panoramic moon roof is completely closed and then release the switch.

\*: If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

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

**■ When the shade does not close normally**

Perform the following procedure:

- 1 Stop the vehicle.
- 2 Close the panoramic moon roof.
- 3 Slide the shade switch forward and hold it.\*

The shade will close then reopen and pause for approximately 10 seconds. Then it will close.

- 4 Check to make sure that the shade is completely closed and then release the switch.

\* If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

If the shade continues to close but then reopens slightly even after performing the above procedure correctly, have the vehicle inspected by your Toyota dealer.

#### ■ Panoramic moon roof open warning buzzer

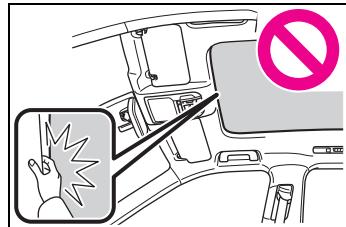
A buzzer sounds and a message is shown on the multi-information display when the power switch is turned off and the driver's door is opened with the panoramic moon roof open.

#### **⚠ WARNING**

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

#### ■ Opening and closing the electronic sunshade

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

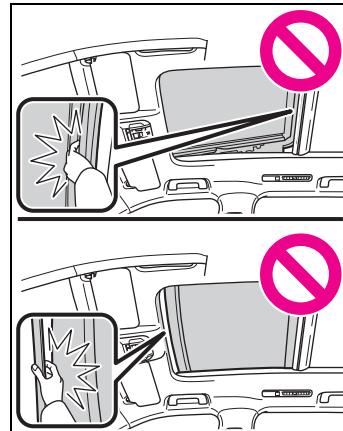


#### ■ Opening the panoramic moon roof

- 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 panoramic moon roof.

#### ■ Opening and closing the panoramic moon roof

- The driver is responsible for panoramic moon roof opening and closing operations. In order to prevent accidental operation, especially by a child, do not let a child operate the panoramic moon roof. It is possible for children and other passengers to have body parts caught in the panoramic 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 panoramic moon roof is being operated.



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

3

Before driving

 **WARNING**

**■ Jam protection function**

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

**■ To prevent burns or injuries**

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

 **NOTICE**

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

- Before opening the panoramic moon roof, make sure that there are no foreign objects, such as stones or ice, around the opening.
- Do not hit the surface or edge of the panoramic moon roof with hard objects.

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

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

<b>4-1. Before driving</b>	
Driving the vehicle .....	<b>152</b>
Cargo and luggage .....	<b>158</b>
Trailer towing .....	<b>159</b>
<b>4-2. Driving procedures</b>	
Power (ignition) switch.....	<b>160</b>
EV drive mode .....	<b>164</b>
Hybrid transmission .....	<b>166</b>
Turn signal lever .....	<b>169</b>
Parking brake .....	<b>169</b>
Brake Hold.....	<b>172</b>
<b>4-3. Operating the lights and wipers</b>	
Headlight switch .....	<b>175</b>
Automatic High Beam.....	<b>178</b>
Fog light switch.....	<b>180</b>
Windshield wipers and washer .....	<b>181</b>
Rear windshield wiper and washer.....	<b>184</b>
<b>4-4. Refueling</b>	
Opening the fuel tank cap .....	<b>185</b>
<b>4-5. Using the driving support systems</b>	
Toyota Safety Sense.....	<b>187</b>
PCS (Pre-Collision System) .....	<b>192</b>
LTA (Lane Tracing Assist) .....	<b>200</b>
LDA (Lane Departure Alert with steering control).....	<b>210</b>

Dynamic radar cruise control with full-speed range .....	<b>218</b>
Dynamic radar cruise control .....	<b>228</b>
Cruise control.....	<b>237</b>
BSM (Blind Spot Monitor) .....	<b>239</b>
Toyota parking assist-sensor .....	<b>244</b>
RCTA (Rear Cross Traffic Alert) function .....	<b>251</b>
Driving mode select switch .....	<b>256</b>
Trail Mode.....	<b>257</b>
Driving assist systems .....	<b>258</b>

**4-6. Driving tips**

Hybrid vehicle driving tips .....	<b>264</b>
Winter driving tips .....	<b>266</b>
Utility vehicle precautions .....	<b>268</b>

## Driving the vehicle

**The following procedures should be observed to ensure safe driving:**

### Driving procedure

#### ■ Starting the hybrid system

→P.160

#### ■ Driving

**1** With the brake pedal depressed, shift the shift lever to D. (→P.166)

**2** Release the parking brake. (→P.169)

If the parking brake is in automatic mode, the parking brake is released automatically when shifting the shift lever to any position other than P. (→P.170)

**3** Gradually release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

#### ■ Stopping

**1** With the shift lever in D, depress the brake pedal.

**2** If necessary, set the parking brake. (→P.169)

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P or N. (→P.166)

#### ■ Parking the vehicle

**1** With the shift lever in D, depress the brake pedal.

**2** Set the parking brake (→P.169), and shift the shift lever to P (→P.166).

**3** Press the power switch to stop the hybrid system.

**4** Lock the door, making sure that you have the electronic key on your person.

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

#### ■ Starting off on a steep uphill

**1** With the brake pedal depressed, shift the shift lever to D. (→P.166)

**2** Pull the parking brake switch and parking brake is set manually. (→P.169)

**3** Release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

**4** Push the parking brake switch and parking brake is released manually.

#### ■ When starting off on a uphill

The hill-start assist control will activate. (→P.259)

#### ■ For fuel-efficient driving

Keep in mind that hybrid vehicles are similar to conventional vehicles, and it is necessary to refrain from activities such as sudden acceleration. (→P.264)

#### ■ 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.

### ■ ECO Accelerator Guidance (→P.74, 83)

It is easier to drive in an Eco-friendly manner by driving while referring to the ECO Accelerator Guidance display. Also, by using the ECO Accelerator Guidance it is easier to increase the "Eco Score" evaluation.

- When starting off:

While staying within the ECO Accelerator Guidance range, gradually depress the accelerator pedal and accelerate to the desired speed. If excessive acceleration is avoided, the "Start" score will increase.

- When driving:

After accelerating to the desired speed, release the accelerator pedal and drive at a stable speed within the ECO Accelerator Guidance range. By keeping the vehicle within the ECO Accelerator Guidance range, the "Cruise" score will increase.

- When stopping:

When stopping the vehicle, early releasing the accelerator pedal will cause the "Stop" score to increase.

### ■ Restraining the hybrid system output (Brake Override System)

- When the accelerator and brake pedals are depressed at the same time, the hybrid system output may be restrained.

- A warning message is displayed on the multi-information display and head-up display (if equipped) while the system is operating.

### ■ Restraining sudden start (Drive-Start Control)

- When the following unusual operation is performed, the hybrid system output may be restrained.

- When the shift lever is shifted from R to D, D to R, N to R, P to D, or P to R (D includes S) with the accelerator pedal depressed, a warning message appears on the multi-information display and head-up display (if equipped). If a warning message is shown on the multi-information display and head-up display (if equipped), read the message and follow the instructions.
- When the accelerator pedal is depressed too much while the vehicle is in reverse.

- While Drive-Start Control is being activated, your vehicle may have trouble escaping from the mud or fresh snow. In such case, deactivate TRC (→P.260) to cancel Drive-Start Control so that the vehicle may become able to escape from the mud or fresh snow.

- AWD models: Drive-Start Control does not work when Trail Mode is turned on.

### ■ Breaking in your new Toyota

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

- For the first 300 km (200 miles): Avoid sudden stops.

- For the first 1000 km (600 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.411)

### ■ Eco-friendly driving

→P.70

### WARNING

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

#### ■ When starting the vehicle

Always keep your foot on the brake pedal while stopped with the "READY" indicator is illuminated. This prevents the vehicle from creeping.

#### ■ When driving the vehicle

- Do not drive if you are unfamiliar with the location of the brake and accelerator pedals to avoid depressing the wrong pedal.
- Accidentally depressing the accelerator pedal instead of the brake pedal will result in sudden acceleration that may lead to an accident.
- When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
- Make sure to keep a correct driving posture even when moving the vehicle only slightly. This allows you to depress the brake and accelerator pedals properly.
- Depress the brake pedal using your right foot. Depressing the brake pedal using your left foot may delay response in an emergency, resulting in an accident.
- The driver should pay extra attention to pedestrians when the vehicle is powered only by the electric motor (traction motor). As there is no engine noise, the pedestrians may misjudge the vehicle's movement.

- Do not drive the vehicle over or stop the vehicle near flammable materials.

The exhaust system and exhaust gases can be extremely hot. These hot parts may cause a fire if there is any flammable material nearby.

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

In the event of an emergency, such as if it becomes impossible to stop the vehicle in the normal way:  
→P.360

- 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.166)

- 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.

- AWD models: This is not an AWD vehicle designed for off-road driving. Proceed with all due caution if it becomes unavoidable to drive off-road.

- Do not drive across a river or through other bodies of water. This may cause electric/electronic components to short circuit, damage the hybrid system or cause other serious damage to the vehicle.

### **WARNING**

#### ■ **When driving on slippery road surfaces**

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle.
- Sudden acceleration, engine braking due to shifting, or changes in engine speed could cause the vehicle to skid.
- After driving through a puddle, lightly depress the brake pedal to make sure that the brakes are functioning properly. Wet brake pads may prevent the brakes from functioning properly. If the brakes on only one side are wet and not functioning properly, steering control may be affected.

#### ■ **When shifting the shift lever**

- Do not let the vehicle roll backward while a forward driving position is selected, or roll forward while the shift lever is in R. Doing so may result in an accident or damage to the vehicle.
- Do not shift the shift lever to P while the vehicle is moving. Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to R while the vehicle is moving forward. Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to a driving position while the vehicle is moving backward. Doing so can damage the transmission and may result in a loss of vehicle control.

● Shifting the shift lever to N while the vehicle is moving will disengage the hybrid system. Engine braking is not available when N is selected.

● Be careful not to shift the shift lever with the accelerator pedal depressed. Shifting the shift lever to any position other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

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

Have your Toyota dealer check and replace the brake pads as soon as possible.

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

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

#### ■ **When the vehicle is stopped**

- Do not depress the accelerator pedal unnecessarily. If the shift lever is in any position other than P or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.
- In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while stopped with the "READY" indicator is illuminated, and apply the parking brake as necessary.
- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.

### **WARNING**

- 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.

● Always apply the parking brake, shift the shift lever to P, stop the hybrid system and lock the vehicle. Do not leave the vehicle unattended while the "READY" indicator is illuminated.

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

● Do not touch the exhaust pipes while the "READY" indicator is illuminated or immediately after turning the hybrid system off. Doing so may cause burns.

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

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

### ■ **When braking**

- When the brakes are wet, drive more cautiously. Braking distance increases when the brakes are wet, and this may cause one side of the vehicle to brake differently than the other side. Also, the parking brake may not securely hold the vehicle.
- If the electronically controlled brake system does not operate, do not follow other vehicles closely and avoid hills or sharp turns that require braking. In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase. Have your brakes fixed immediately.

### WARNING

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

#### ■ If the vehicle becomes stuck (AWD models)

Do not spin the wheels excessively when any of the tires 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

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

#### ■ When parking the vehicle

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

#### ■ Avoiding damage to vehicle parts

- Do not turn the steering wheel fully in either direction and hold it there for an extended period of time. Doing so may damage the power steering motor.

- When driving over bumps on the road, drive as slowly as possible to avoid damaging the wheels, underside of the vehicle, etc.

#### ■ If you get a flat tire while driving

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

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

Information on what to do in case of a flat tire (→P.381)

#### ■ When encountering flooded roads

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

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

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

- Brake function
- Changes in quantity and quality of oil and fluid used for the engine, hybrid transaxle (front and rear [AWD models]), etc.
- Lubricant condition for bearings and suspension joints (where possible), and the function of all joints, bearings, etc.

4

Driving

## Cargo and luggage

**Take notice of the following information about storage precautions, cargo capacity and load.**

### **WARNING**

#### **Things that must not be carried in the luggage compartment**

The following things may cause a fire if loaded in the luggage compartment:

- Receptacles containing gasoline
- Aerosol cans

#### **Storage precautions**

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

- Stow cargo and luggage in the luggage compartment whenever possible.
- Do not stack cargo and luggage in the luggage compartment higher than the seatbacks.
- When you fold down the rear seats, long items should not be placed directly behind the front seats.
- Never allow anyone to ride in the luggage compartment. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened.
- Do not place cargo or luggage in or on the following locations.
  - At the feet of the driver
  - On the front passenger or rear seats (when stacking items)

- On the luggage cover
- On the instrument panel
- On the dashboard
- Secure all items in the occupant compartment.

#### **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.

#### **When using a roof luggage carrier (vehicles with roof rails)**

Observe the following precautions:

- Place the cargo so that its weight is distributed evenly between the front and rear axles.
- If loading long or wide cargo, never exceed the vehicle overall length or width. (→P.408)
- Before driving, make sure the cargo is securely fastened on the roof luggage carrier.
- Loading cargo on the roof luggage carrier will make the center of gravity of the vehicle higher. Avoid high speeds, sudden starts, sharp turns, sudden braking or abrupt maneuvers, otherwise it may result in loss of control or vehicle rollover due to failure to operate this vehicle correctly and result in death or serious injury.
- If driving for a long distance, on rough roads, or at high speeds, stop the vehicle now and then during the trip to make sure the cargo remains in its place.
- Do not exceed 75 kg (165 lb.) cargo weight on the roof luggage carrier.

**⚠ NOTICE****■ When loading cargo**

Be careful not to scratch the surface of the moon roof or panoramic moon roof.

**Trailer towing**

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



4

Driving

### Power (ignition) switch

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

#### Starting the hybrid system

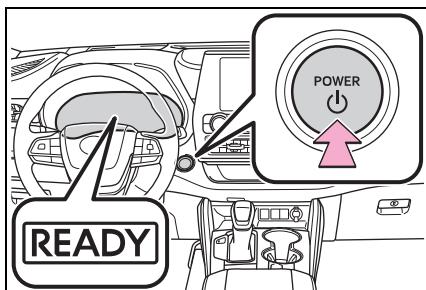
- 1 Check that the parking brake is set.
- 2 Check that the shift lever is in P.
- 3 Firmly depress the brake pedal.  and a message will be displayed on the multi-information display. If it is not displayed, the hybrid system cannot be started.
- 4 Press the power switch shortly and firmly.

When operating the power switch, one short, firm press is enough. It is not necessary to press and hold the switch.

If the "READY" indicator turns on, the hybrid system will operate normally.

Continue depressing the brake pedal until the "READY" indicator is illuminated.

The hybrid system can be started from any power switch mode.



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

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

#### ■ If the hybrid system does not start

- The immobilizer system may not have been deactivated. (→P.59)  
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.

#### ■ When the ambient temperature is low, such as during winter driving conditions

When starting the hybrid system, the flashing time of the "READY" indicator may be long. Leave the vehicle as it is until the "READY" indicator is steady on, as steady means the vehicle is able to move.

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

→P.54

#### ■ If the 12-volt battery is discharged

The hybrid system cannot be started using the smart entry & start system. Refer to P.397 to restart the hybrid system.

#### ■ Electronic key battery depletion

→P.106

#### ■ Conditions affecting operation

→P.122

#### ■ Note for the entry function

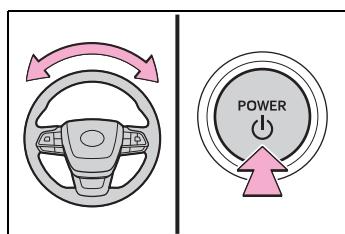
→P.123

#### ■ Steering lock function

- After turning the power switch off and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the power switch again automatically cancels the steering lock.

- When the steering lock cannot be

released, "Push Power Switch while Turning Steering Wheel in Either Direction" will be displayed on the multi-information display. Check that the shift lever is in P. Press the power 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 hybrid system is turned on and off repeatedly in a short period of time. In this case, refrain from operating the hybrid system. After about 10 seconds, the steering lock motor will resume functioning.

#### ■ If the "READY" indicator does not come on

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

#### ■ If the hybrid system is malfunctioning

→P.58

#### ■ Electronic key battery

→P.345

#### ■ Operation of the power switch

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

wait a few seconds before restarting the hybrid system.

#### ■ Customization

If the smart entry & start system has been deactivated in a customized setting, refer to P.395.

### **WARNING**

#### ■ When starting the hybrid system

Always start the hybrid system while sitting in the driver's seat. Do not depress the accelerator pedal while starting the hybrid system under any circumstances.

Doing so may cause an accident resulting in death or serious injury.

#### ■ Caution while driving

If hybrid system failure occurs while the vehicle is moving, do not lock or open the doors until the vehicle reaches a safe and complete stop. Activation of the steering lock in this circumstance may lead to an accident, resulting in death or serious injury.

**4**

Driving

### **NOTICE**

#### ■ When starting the hybrid system

If the hybrid system becomes difficult to start, have your vehicle checked by your Toyota dealer immediately.

#### ■ Symptoms indicating a malfunction with the power switch

If the power switch seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact your Toyota dealer immediately.

### **Stopping the hybrid system**

- 1 Stop the vehicle completely.
- 2 Set the parking brake (→P.169), and shift the shift lever to P.

Check the parking brake indicator is illuminated.

**3 Press the power switch.**

The hybrid system will stop, and the meter display will be extinguished.

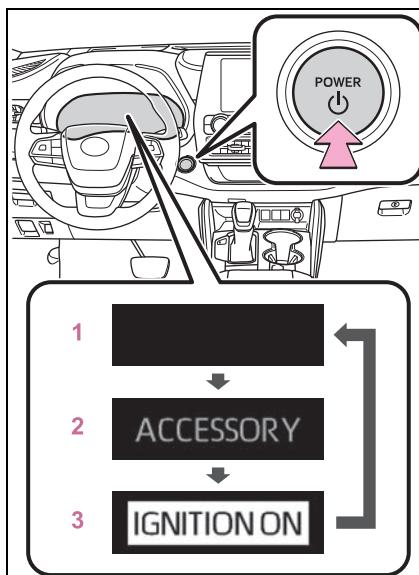
**4 Release the brake pedal and check that "ACCESSORY" or "IGNITION ON" is not shown on the multi-information display.**

**WARNING**

**■ Stopping the hybrid system in an emergency**

- If you want to stop the hybrid system in an emergency while driving the vehicle, press and hold the power switch for more than 2 seconds, or press it briefly 3 times or more in succession. (→P.360) However, do not touch the power switch while driving except in an emergency. Turning the hybrid system off while driving will not cause loss of steering or braking control, however, power assist to the steering will be lost. This will make it more difficult to steer smoothly, so you should pull over and stop the vehicle as soon as it is safe to do so.
- If the power switch is operated while the vehicle is running, a warning message will be shown on the multi-information display and a buzzer sounds.
- To restart the hybrid system after performing an emergency shutdown, shift the shift lever to N and then press the power switch.

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 hybrid system, the power switch will be turned to ACC, not to OFF.

**Changing power switch modes**

Modes can be changed by pressing the power switch with brake pedal

**■ Auto power off function**

If the vehicle is left in ACC for more than 20 minutes or ON (the hybrid system is not operating) for more than an hour with the shift lever in P, the power switch will automatically turn off. However, this

function cannot entirely prevent 12-volt battery discharge. Do not leave the vehicle with the power switch in ACC or ON for long periods of time when the hybrid system is not operating.

 **NOTICE**

**To prevent 12-volt battery discharge**

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

 **NOTICE**

**To prevent 12-volt battery discharge**

Do not stop the hybrid system when the shift lever is in a position other than P. If the hybrid system is stopped in another shift lever position, the power switch will not be turned off but instead be turned to ACC. If the vehicle is left in ACC, 12-volt battery discharge may occur.

**When stopping the hybrid system with the shift lever in a position other than P**

If the hybrid system is stopped with the shift lever in a position other than P, the power switch will not be turned off but instead be turned to 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 power switch shortly and firmly.
- 4 Check that “ACCESSORY” or “IGNITION ON” on the multi-information display are off.

### EV drive mode

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

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

**However, when the acoustic vehicle alerting system is active, the vehicle may produce sound.**

#### ■ Situations in which EV drive mode cannot be turned on

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

- The temperature of the hybrid system is high.  
The vehicle has been left in the sun, driven on a hill, driven at high speeds, etc.
- The temperature of the hybrid system is low.  
The vehicle has been left in temperatures lower than about 0°C (32°F) for a long period of time, etc.
- The gasoline engine is warming up.
- The hybrid battery (traction battery) is low.  
The remaining battery level indicated in the "Energy monitor" display is low. (→P.96)
- Vehicle speed is high.
- The accelerator pedal is depressed firmly or the vehicle is on a hill, etc.
- The windshield defogger is in use.

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

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

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

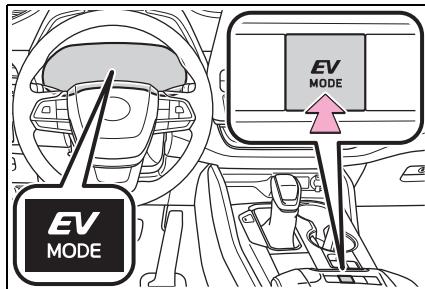
#### ■ Automatic cancelation of EV drive mode

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

### Operating instructions

Turns EV drive mode on/off

When EV drive mode is turned on, the EV drive mode indicator will come on. Pressing the switch when in EV drive mode will return the vehicle to normal driving (using the gasoline engine and electric motor [traction motor]).



after flashing, and a message is displayed on the multi-information display.

- The hybrid battery (traction battery) becomes low.  
The remaining battery level indicated in the "Energy monitor" display is low. (→P.96)
- Vehicle speed is high.
- The accelerator pedal is depressed firmly or the vehicle is on a hill, etc.

#### ■ Possible driving distance when driving in EV drive mode

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

#### ■ Fuel economy

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

#### ■ If "EV Mode Unavailable" is shown on the multi-information display

The EV drive mode is not available. The reason the EV drive mode is not available (the vehicle is idling, battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Use the EV drive mode when it becomes available.

#### ■ If "EV Mode Deactivated" is shown on the multi-information display

The EV drive mode has been automatically canceled. The reason the EV drive mode is not available (the battery charge is low, vehicle speed is higher than the EV drive mode operating speed range or accelerator pedal is depressed too much) may be displayed. Drive the

vehicle for a while before attempting to turn on the EV drive mode again.

#### **WARNING**

##### ■ Caution while driving

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

### Hybrid transmission

**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 hybrid system
R	Reversing
N	Neutral
D	Normal driving <sup>*1</sup>
S	S mode driving <sup>*2</sup> ( $\rightarrow$ P.167)

<sup>\*1</sup>: To improve fuel efficiency and reduce noise, shift the shift lever to D for normal driving.

<sup>\*2</sup>: By selecting shift ranges using S mode, you can control accelerating force and engine braking force.

#### When driving with cruise control, dynamic radar cruise control or 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 activate because cruise control, dynamic radar cruise control or dynamic radar cruise control with full-speed range will not be canceled.

#### Restraining sudden start (Drive-Start Control)

$\rightarrow$ P.153

### WARNING

#### When driving on slippery road surfaces

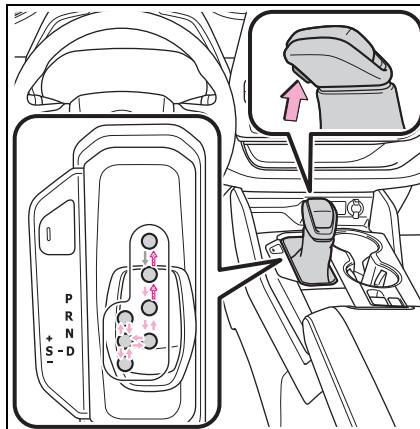
Be careful of downshifting and sudden acceleration, as this could result in the vehicle skidding to the side or spinning.

### NOTICE

#### Hybrid battery (traction battery) charge

If the shift lever is in N, the hybrid battery (traction battery) will not be charged even when the engine is running. Therefore, if the vehicle is left with the shift lever in N for a long period of time, the hybrid battery (traction battery) will discharge, and this may result in the vehicle not being able to start.

### Shifting the shift lever



← : While the power 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 push-

ing 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 power switch is in ON and the brake pedal is being depressed.

#### ■ If the shift lever cannot be shifted from P

First, check whether the brake pedal is being depressed.

If the shift lever cannot be shifted with your foot on the brake pedal, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.

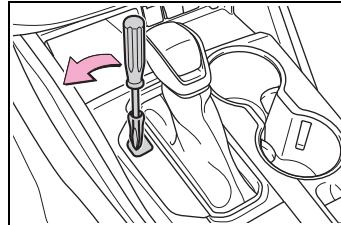
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

- 1 Turn the power switch to ON and check that the parking brake is set. (→P.162, 169)
- 2 Turn the power switch to off.
- 3 Depress the brake pedal.
- 4 Pry the cover up with a flathead screwdriver or equivalent tool.

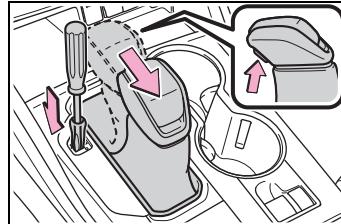
To prevent damage to the cover, cover

the tip of the screwdriver with a rag.



- 5 Press and hold the shift lock override button.

The shift lever can be shifted while both buttons are pressed.



**4**

Driving

#### 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.

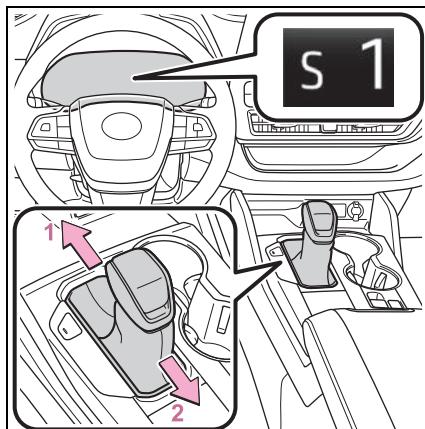
#### Selecting the driving mode

→P.256

#### Changing shift ranges in S mode

When the shift lever is in the S position, the shift lever can be operated

as follows:



**1 Upshifting**

**2 Downshifting**

The selected shift range, from S1 to S6, will be displayed on the multi-information display.

The initial shift range in S mode is set automatically to S4 or S5 according to vehicle speed.

sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever is operated. (A buzzer will sound twice.)

■ **If the S indicator does not come on or the D indicator is displayed even after shifting the shift lever to S**

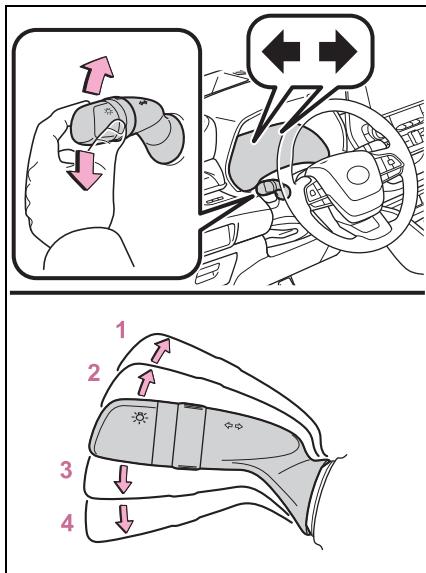
This may indicate a malfunction in the hybrid transmission system. Have the vehicle inspected by your Toyota dealer immediately. (In this situation, the hybrid transmission will operate in the same manner as when the shift lever is in D.)

■ **S mode**

- You can choose from 6 levels of accelerating force and engine braking force.
- A lower shift range will provide greater accelerating force and engine braking force than a higher shift range, and the engine revolutions will also increase.
- To prevent the engine from over-revving, upshifting may automatically occur when the shift range is 4 or lower.
- When the shift range is 4 or lower, holding the shift lever toward "+" sets the shift range to 6.

■ **Downshifting restrictions warning buzzer**

To help ensure safety and driving performance, downshifting operation may

**Turn signal lever****Operating instructions**

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

■ **Turn signals can be operated when**  
The power switch is in ON.

■ **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.

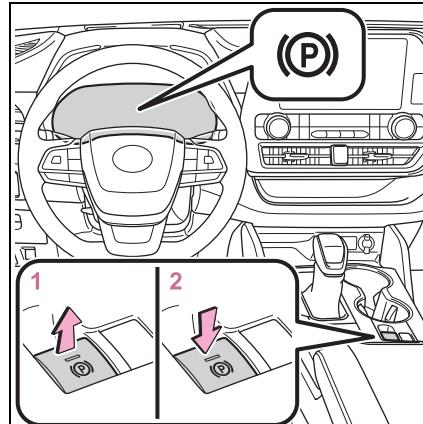
In automatic mode, the parking brake can be set or released automatically according to the shift lever operation. Also, even in automatic mode, the parking brake can be set or released manually.

**Operating instructions****Using the manual mode**

The parking brake can be set and released manually.

4

Driving



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

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

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

## 170 4-2. Driving procedures

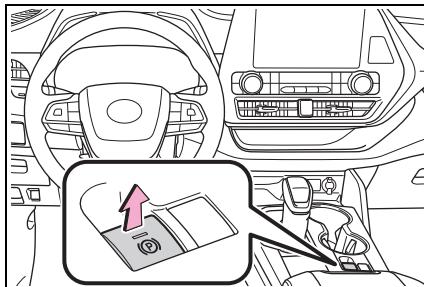
- 2 Push the switch to release the parking brake
- Operate the parking brake switch while depressing the brake pedal.
  - Parking brake automatic release function (→P.170)

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

If the parking brake indicator light and parking brake light flashes, operate the switch again. (→P.374)

### ■ Turns automatic mode on

While the vehicle is stopped, pull and hold the parking brake switch until a “EPB Shift Interlock Function Activated” is shown on the multi-information display.



When the automatic mode is turned on, the parking brake operates as follows.

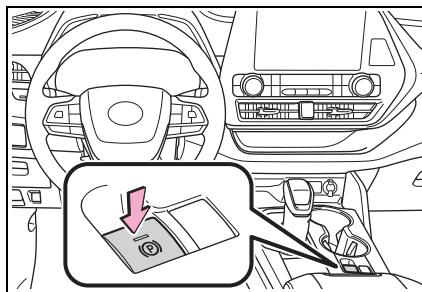
- When the shift lever is moved out of P, the parking brake will be released, and the parking brake indicator light and parking brake light turn off.
- When the shift lever is moved into P, the parking brake will be set, and the parking brake indicator light and parking brake light

turn on.

Operate the shift lever with the brake pedal depressed.

### ■ Turns automatic mode off

While the vehicle is stopped, press and hold the parking brake switch until a “EPB Shift Interlock Function Deactivated” is shown on the multi-information display.



### ■ Parking brake operation

- When the power switch is not in ON, the parking brake cannot be released using the parking brake switch.
- When the power switch is not in ON, automatic mode (automatic brake setting and releasing) is not available.

### ■ Parking brake automatic release function

The parking brake will be released automatically when the accelerator pedal is slowly depressed under the following conditions:

- The driver's door is closed
- The driver is wearing the seat belt
- The shift lever is in a forward or reverse position.
- The malfunction indicator lamp or brake system warning light is not illuminated

If the automatic release function does not operate, release the parking brake manually.

**■ 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 immediately.

**■ Parking brake operation sound**

When the parking brake operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

**■ Parking brake indicator light and parking brake light**

- Depending on the power switch mode, the parking brake indicator light and parking brake light will turn on and stay on as described below:  
ON: Comes on until the parking brake is released.  
Not in ON: Stays on for approximately 15 seconds.
- When the power switch is turned off with the parking brake set, the parking brake indicator light and parking brake light will stay on for about 15 seconds. This does not indicate a malfunction.

**■ When the parking brake switch malfunctions**

Automatic mode (automatic brake setting and releasing) will be turned on automatically.

**■ Parking the vehicle**

→P.152

**■ 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.

**■ Warning messages and buzzers**

Warning messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution. If a warning message is shown on the multi-information display, read the message and follow the instructions.

**■ If the brake system warning light comes on**

→P.369

**■ Usage in winter time**

→P.266

4

Driving

**⚠ WARNING**

**■ When parking the vehicle**

Do not leave a child in the vehicle alone. The parking brake may be released unintentionally and there is the danger of the vehicle moving that may lead to an accident resulting in death or serious injury.

**■ Parking brake switch**

Do not set any objects near the parking brake switch. Objects may interfere with the switch and may lead the parking brake to unexpectedly operate.

**⚠ NOTICE**

**■ When parking the vehicle**

Before you leave the vehicle, shift the shift lever to P, set the parking brake and make sure that the vehicle does not move.

**■ When the system malfunctions**

Stop the vehicle in a safe place and check the warning messages.

 NOTICE

**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.

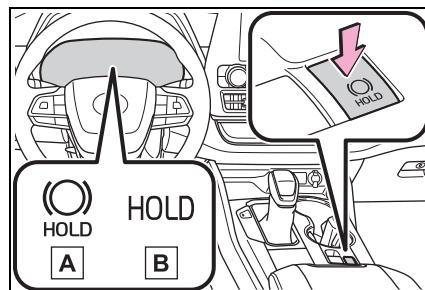
**Brake Hold**

The brake hold system keeps the brake applied when the shift lever is in D, S or N with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in D or S to allow smooth start off.

**Enabling the system**

Turns 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.
- The parking brake is engaged.

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.169)

#### ■ 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.375

**4**

Driving

#### ⚠ WARNING

##### ■ When the vehicle is on a steep incline

When using the brake hold system on a steep incline, exercise caution. The brake hold function may not hold the vehicle in such a situation.

##### ■ When stopped on a slippery road

The system cannot stop the vehicle when the gripping ability of the tires has been exceeded. Do not use the system when stopped on a slippery road.



**NOTICE**

**■ When parking the vehicle**

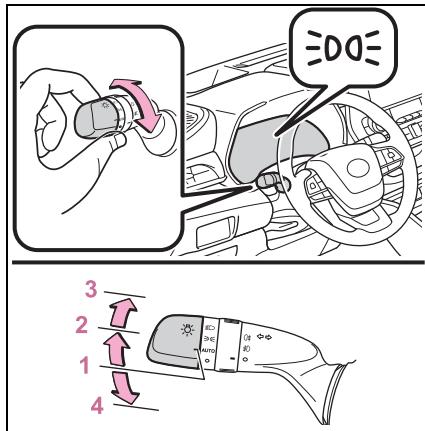
The brake hold system is not designed for use when parking the vehicle for a long period of time. Turning the power switch off while the system is holding the brake may release the brake, which would cause the vehicle to move. When operating the power switch, depress the brake pedal, shift the shift lever to P and set the parking brake.

## Headlight switch

**The headlights can be operated manually or automatically.**

### Operating instructions

Operating the  switch turns on the lights as follows:



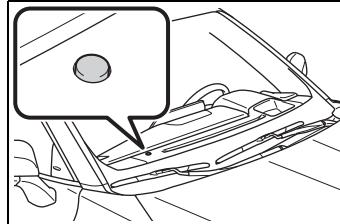
- 1  The headlights, daytime running lights (→P.175) and all the lights listed below turn on and off automatically. (When the power switch is in ON.)
- 2  The front position, tail, license plate and instrument panel lights turn on.
- 3  The headlights and all the lights listed above turn on.
- 4  The daytime running lights turn on. (→P.175)

### ■ Daytime running light system

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever the hybrid system is started and the parking brake is released with the headlight switch in

 or  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

The headlights and all lights turn off after the power switch is turned off and the driver's door is opened.

To turn the lights on again, turn the power switch to ON, or turn the light switch to the  or  position once and then back to the  or  position.

### ■ 12-volt battery-saving function

In order to prevent the 12-volt battery of the vehicle from discharging, if the headlights and/or tail lights are on when the power switch is turned off the 12-volt battery-saving function will operate and automatically turn off all the lights after approximately 20 minutes. When the

4

Driving

## 176 4-3. Operating the lights and wipers

power switch is turned to ON, the 12-volt battery-saving function will be disabled. When any of the following are performed, the 12-volt battery-saving function is canceled once and then reactivated. All the lights will turn off automatically 20 minutes after the 12-volt battery-saving function has been reactivated:

- When the headlight switch is operated
- When a door is opened or closed

### ■ Customization

Some functions can be customized.  
(→P.418)

#### NOTICE

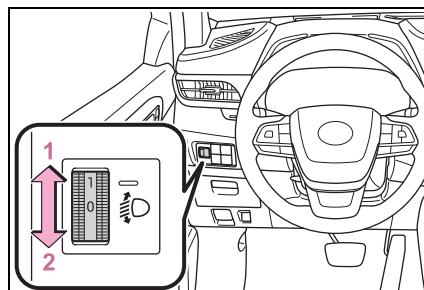
##### ■ To prevent 12-volt battery discharge

Do not leave the lights on longer than necessary when the hybrid system is off.

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.



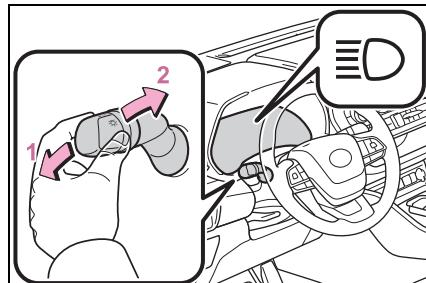
- 1 Raises the level of the headlights
- 2 Lowers the level of the headlights

### ■ Guide to dial settings

- Vehicles without BSM (Blind Spot Monitor)

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
Driver	None	0
Driver and front passenger	None	0

### 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

Occupancy and luggage load conditions		Dial position	Occupancy and luggage load conditions		Dial position
Occupants	Luggage load		Occupants	Luggage load	
Driver, front passenger and all passengers in the rear seats farthest to the rear	None	1	All seats occupied	Full luggage loading	3
All seats occupied	None	2	Driver	Full luggage loading	4.5
All seats occupied	Full luggage loading	4			
Driver	Full luggage loading	5			

4

Driving

► Vehicles with BSM (Blind Spot Monitor)

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
Driver	None	0
Driver and front passenger	None	0
Driver, front passenger and all passengers in the rear seats farthest to the rear	None	1
All seats occupied	None	2

### Automatic High Beam\*

\*: If equipped

**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

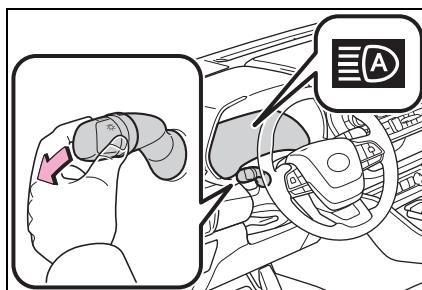
Do not overly rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beams on or off manually if necessary.

##### To prevent incorrect operation of the Automatic High Beam system

Do not overload the vehicle.

- Push the lever away from you with the headlight switch in the AUTO or  position.

The Automatic High Beam indicator will come on when the system is operating.



#### Conditions to turn the high beams on/off automatically

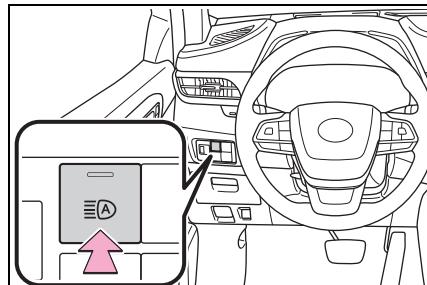
- When all of the following conditions are met, the high beams will be turned on automatically (after approximately 1 second):
  - The vehicle speed is approximately 30 km/h (19 mph) or more.
  - The area ahead of the vehicle is dark.
  - There are no vehicles ahead with headlights or tail lights turned on.
  - There are few streetlights on the road ahead.
- If any of the following conditions is met, the high beams will turn off automatically:
  - The vehicle speed is below approximately 25 km/h (16 mph).
  - The area ahead of the vehicle is not dark.
  - Vehicles ahead have their headlights or tail lights turned on.
  - There are many streetlights on the road ahead.

#### 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

### Activating the Automatic High Beam

- Press the Automatic High Beam switch.



- 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, street lights, traffic signals, and illuminated billboards or signs and other reflective objects may cause the high beams to change to the low beams, or the low beams to remain on.
- The following factors may affect the amount of time taken for the high beams to turn on or off:
  - The brightness of the headlights, fog lights, and tail lights of vehicles ahead
  - The movement and direction of vehicles ahead
  - When a vehicle ahead only has operational lights on one side
  - When a vehicle ahead is a two-wheeled vehicle
  - The condition of the road (gradient, curve, condition of the road surface, etc.)
  - The number of passengers and amount of luggage in the vehicle
- The high beams may turn on or off unexpectedly.
- Bicycles or similar vehicles may not be detected.
- In the following situations the system may not be able to correctly detect the surrounding brightness level. This may cause the low beams to remain on or the high beams to flash or dazzle pedestrians or vehicles ahead. In such a case, it is necessary to manually switch between the high and low beams.
  - When driving in inclement weather (heavy rain, snow, fog, sandstorms, etc.)
  - When the windshield is obscured by fog, mist, ice, dirt, etc.
  - When the windshield is cracked or damaged
  - When the camera sensor is deformed or dirty
  - When the temperature of the camera sensor is extremely high
  - When the surrounding brightness level is equal to that of headlights, tail lights or fog lights
  - When headlights or tail lights of vehicles ahead are turned off, dirty, changing color, or not aimed properly
  - When the vehicle is hit by water, snow, dust, etc. from a preceding vehicle
  - When driving through an area of intermittently changing brightness and darkness
  - When frequently and repeatedly driving ascending/descending roads, or roads with rough, bumpy or uneven surfaces (such as stone-paved roads, gravel roads, etc.)
  - When frequently and repeatedly taking curves or driving on a winding road
  - When there is a highly reflective object ahead of the vehicle, such as a sign or mirror
  - When the back of a preceding vehicle is highly reflective, such as a container on a truck
  - When the vehicle's headlights are damaged or dirty, or are not aimed properly
  - When the vehicle is listing or titling due to a flat tire, a trailer being towed, etc.
  - When the headlights are changed between the high beams and low beams repeatedly in an abnormal manner
  - When the driver believes that the high beams may be flashing or dazzling pedestrians or other drivers
  - When the vehicle is used in an area in which vehicles travel on the opposite side of the road of the country for which the vehicle was designed, for example using a vehicle designed for

right-hand traffic in a left-hand traffic area, or vice versa

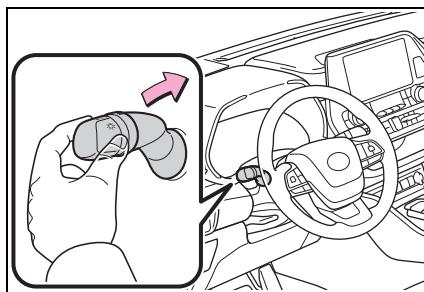
### Turning the high beams on/off manually

#### ■ Switching to the low beams

Pull the lever to its original position.

The Automatic High Beam indicator will turn off.

Push the lever away from you to activate the Automatic High Beam system again.

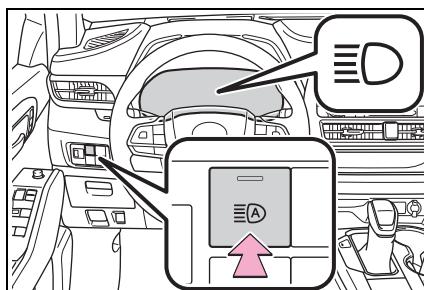


#### ■ Switching to the high beams

Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off and the high beam indicator will turn on.

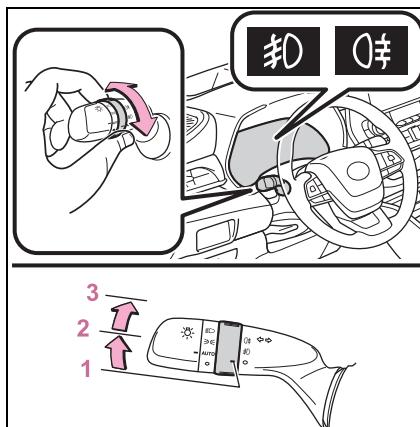
Press the switch to activate the Automatic High Beam system again.



### Fog light switch

**The fog lights secure excellent visibility in difficult driving conditions, such as in rain and fog.**

### Operating instructions



1 0 Turns the front and rear fog lights off

2 F Turns the front fog lights on

3 FF Turns both front and rear fog lights on

Releasing the switch ring returns it to

0.

Operating the switch ring again turns only the rear fog lights off.

#### ■ Fog lights can be used when

Front fog lights: The headlights or front position lights are turned on.

Rear fog lights: The front fog lights are turned on.

## Windshield wipers and washer

**Operating the lever can switch between automatic operation and manual operation, or can use the washer.**

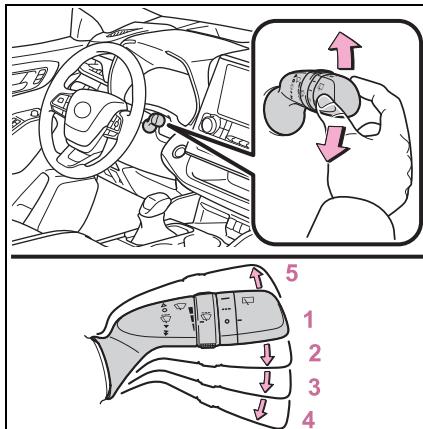
### NOTICE

- When the windshield is dry  
Do not use the wipers, as they may damage the windshield.

## Operating the wiper lever

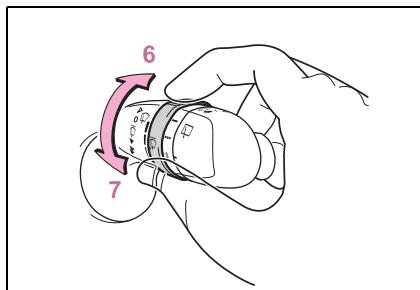
Operate the  lever operates the wipers or washer as follows.

- Intermittent windshield wipers with interval adjuster



### 5 Temporary operation

Wiper intervals can be adjusted when intermittent operation is selected.

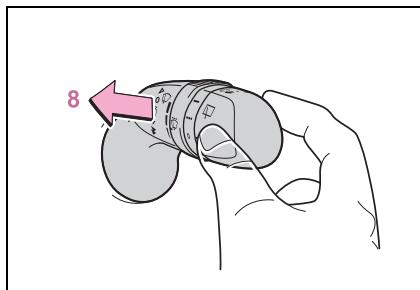


6 Increases the intermittent windshield wiper frequency

7 Decreases the intermittent windshield wiper frequency

4

Driving



### 8 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

Wipers will automatically operate a couple of times after the washer squirts.

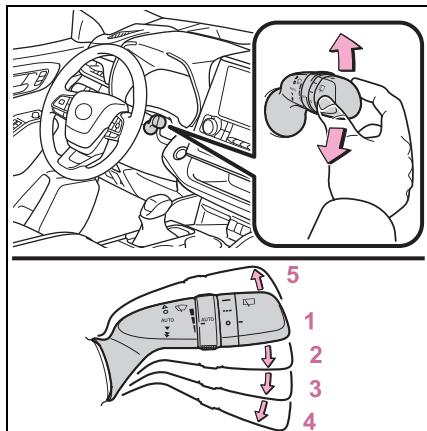
### ► Rain-sensing windshield wipers

When "AUTO" is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain vol-

## 182 4-3. Operating the lights and wipers

ume and vehicle speed.

The sensor sensitivity can be adjusted when "AUTO" is selected.



**1** ● Off

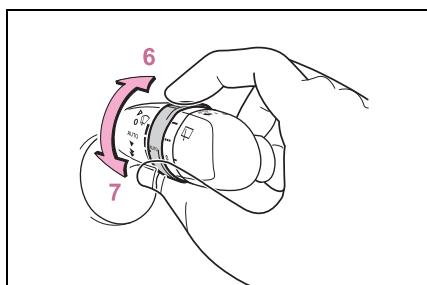
**2** AUTO Rain-sensing operation

**3** ▼ Low speed operation

**4** ▽ High speed operation

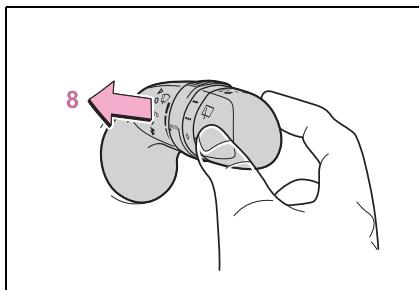
**5** △ Temporary operation

When AUTO mode is selected, the sensor sensitivity can be adjusted by turning the switch ring.



**6** Increases the sensitivity

**7** Decreases the sensitivity



**8** Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

The wipers will automatically operate a couple of times after the washer squirts.

### ■ The windshield wipers and washer can be operated when

The power switch is in ON.

### ■ Dripping prevention wiper sweep

After washing and wiping operation several times, the wipers operate one more time after a short delay to prevent dripping. However, this function will not operate while driving.

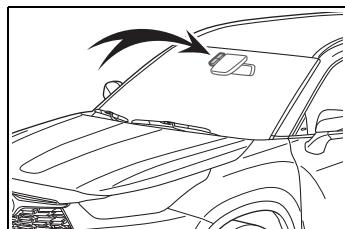
### ■ Effects of vehicle speed on wiper operation

Vehicle speed affects the intermittent wiper interval.

### ■ Raindrop sensor (vehicles with rain-sensing windshield wipers)

● The raindrop sensor judges the amount of raindrops.

An optical sensor is adopted. It may not operate properly when sunlight from the rising or setting of the sun intermittently strikes the windshield, or if bugs, etc. are present on the windshield.



- If the wiper switch is turned to the "AUTO" position while the power switch is in ON, the wipers will operate once to show that AUTO mode is activated.
- When the sensor sensitivity ring is turned toward high while in "AUTO" position, the wipers will operate once to indicate that the sensor sensitivity is enhanced.
- If the temperature of the raindrop sensor is 85°C (185°F) or higher, or -15°C (5°F) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than AUTO mode.

**■ If no windshield washer fluid sprays**

Check that the washer nozzles are not blocked, if there is washer fluid in the washer fluid tank.

**■ Front door opening linked windshield wiper stop function (vehicles with rain-sensing windshield wipers)**

When "AUTO" is selected and the windshield wipers are operating, if a front door is opened, the operation of the windshield wipers will be stopped to prevent anyone entering/exiting the vehicle from being sprayed by water from the wipers, provided the vehicle is stopped with the parking brake applied or the shift lever in P. When the front door is closed, wiper operation will resume.

**⚠ WARNING**

**■ Caution regarding the use of windshield wipers in AUTO mode (vehicles with rain-sensing windshield wipers)**

The windshield wipers may operate unexpectedly if the sensor is touched or the windshield is subject to vibration in AUTO mode. Take care that your fingers, etc. do not become caught in the windshield wipers.

**■ Caution regarding the use of washer fluid**

When it is cold, do not use the washer fluid until the windshield becomes warm. The fluid may freeze on the windshield and cause low visibility. This may lead to an accident, resulting in death or serious injury.

4

Driving

**⚠ NOTICE**

**■ When the washer fluid tank is empty**

Do not operate the switch continually as the washer fluid pump may overheat.

**■ When a nozzle becomes blocked**

In this case, contact your Toyota dealer.

Do not try to clear it with a pin or other object. The nozzle will be damaged.

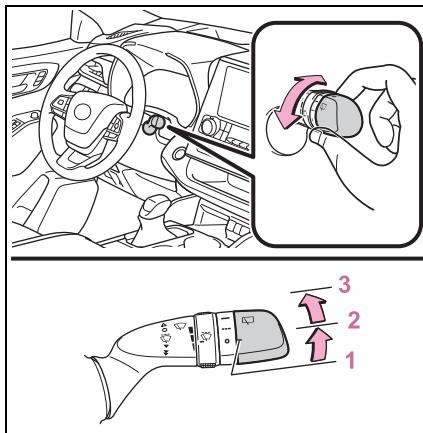
### Rear windshield wiper and washer

#### NOTICE

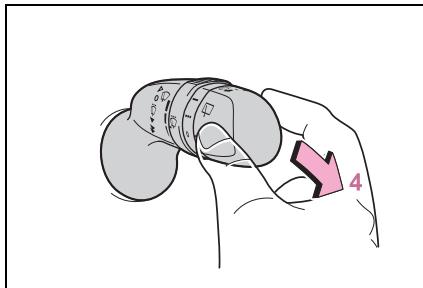
- When the rear window is dry**  
Do not use the wiper, as it may damage the rear window.

### Operating the wiper lever

Operating the  switch operates the rear wiper as follows.



- 1**  Off
- 2**  Intermittent operation
- 3**  Normal operation



#### 4 Washer/wiper dual operation

Pushing the lever operates the wiper and washer.

The wiper will automatically operate a couple of times after the washer squirts. The washer will automatically operate and clean the camera for rear camera\*.

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

#### ■ The rear window wiper and washer can be operated when

The power switch is in ON.

#### ■ If no washer fluid sprays

Check that the washer nozzle is not blocked if there is washer fluid in the washer fluid tank.

#### ■ Reverse-linked rear window wiper function

When the shift lever is shifted to R when the front wipers are operating, the rear window wiper will operate once.

#### ■ Customization

Setting of the reverse-linked function can be changed. (→P.418)

#### NOTICE

- When the washer fluid tank is empty**

Do not operate the switch continually as the washer fluid pump may overheat.

## Opening the fuel tank cap

**Perform the following steps to open the fuel tank cap:**

### Before refueling the vehicle

- Close all the doors and windows, and turn the power switch off.
- Confirm the type of fuel.

#### Fuel types

→P.417

#### 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 of the filler neck and cause injury.

- Do not allow anyone that has not discharged static electricity from their body to come close to an open fuel tank.
- Do not inhale vaporized fuel. Fuel contains substances that are harmful if inhaled.
- Do not smoke while refueling the vehicle. Doing so may cause the fuel to ignite and cause a fire.
- Do not return to the vehicle or touch any person or object that is statically charged. This may cause static electricity to build up, resulting in a possible ignition hazard.

#### When refueling

Observe the following precautions to prevent fuel overflowing from the fuel tank:

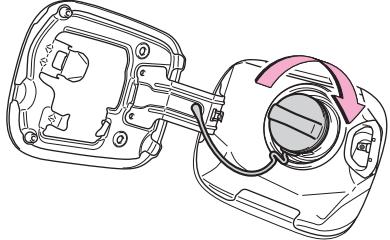
- Securely insert the fuel nozzle into the fuel filler neck.
- Stop filling the tank after the fuel nozzle automatically clicks off.
- Do not top off the fuel tank.

**NOTICE**

**■ Refueling**

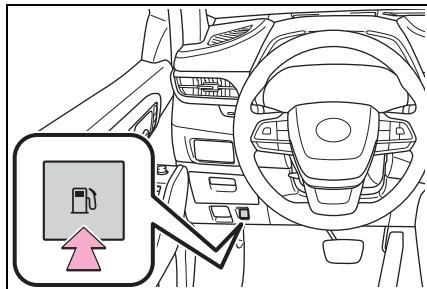
Do not spill fuel during refueling. Doing so may damage the vehicle, such as causing the emission control system to operate abnormally or damaging fuel system components or the vehicle's painted surface.

cap until you hear a click. Once the cap is released, it will turn slightly in the opposite direction.

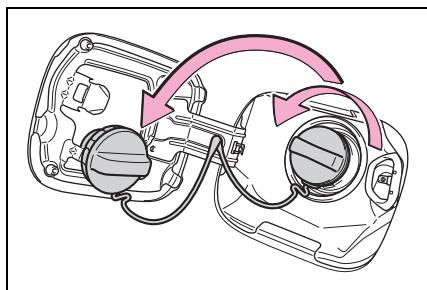


**Opening the fuel tank cap**

- 1 Press the switch to open the fuel filler door.



- 2 Turn the fuel tank cap slowly to remove it and hang it on the back of the fuel filler door.



**■ If the fuel filler door cannot be opened**

→P.394

**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.

**Closing the fuel tank cap**

After refueling, turn the fuel tank

**Toyota Safety Sense\***

\*: If equipped

**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.192

**■ LTA (Lane Tracing Assist)\***

→P.200

\*: If equipped

**■ LDA (Lane Departure Alert with steering control)\***

→P.210

\*: If equipped

**■ AHB (Automatic High Beam)**

→P.178

**■ Dynamic radar cruise control with full-speed range\***

→P.218

\*: If equipped

**■ Dynamic radar cruise control\***

→P.228

\*: If equipped

**⚠ WARNING****■ Toyota Safety Sense**

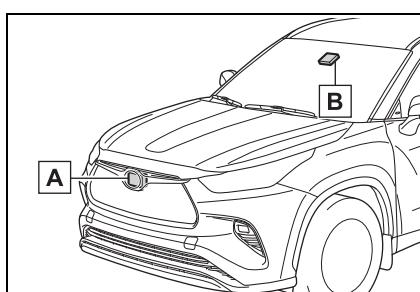
The Toyota Safety Sense is designed to operate under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants and the vehicle in the case of a collision or assist the driver in normal driving conditions.

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**

4

Driving

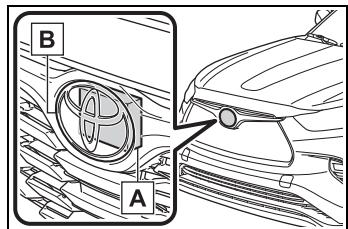
**A** Radar sensor**B** Front camera

**⚠ 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**

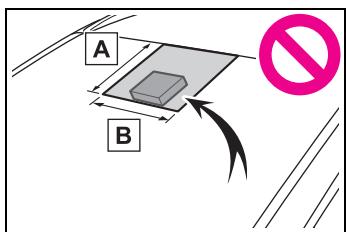
Observe the following precautions.

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.273)
- 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.

## 190 4-5. Using the driving support systems

### ■ Certification

- For vehicles sold in Jordan

For Vehicles sold in Jordan  
TRC approval number: TRC/LPD/2016/506

### ■ 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.273).
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

## 192 4-5. Using the driving support systems

### PCS (Pre-Collision System)<sup>\*</sup>

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

The pre-collision system uses a radar sensor and front camera to detect objects (→P.192) 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.195)

### Detectable objects

Regions	Detectable objects	Countries/areas
A	<ul style="list-style-type: none"><li>• Vehicles</li><li>• Bicyclists</li><li>• Pedestrians</li></ul>	Bahrain, Qatar, Kuwait, United Arab Emirates, Saudi Arabia, Oman
B	Vehicles	Jordan, Lebanon

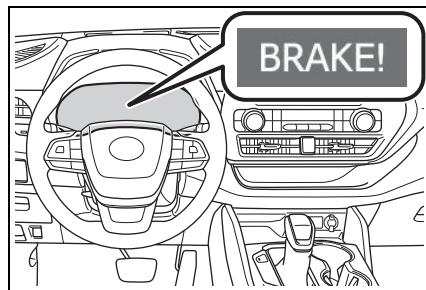
The countries and areas for each region listed in the table are current as of February 2020. However, depending on when the vehicle was sold, the

countries and areas of each region may be different. Contact your Toyota dealer for details.

## 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.197
  - Conditions under which the system may not operate properly: →P.198
- 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.

4

Driving

## 194 4-5. Using the driving support systems

### WARNING

#### ■ 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 hybrid system on and the tires are allowed to rotate freely
- When inspecting the vehicle using a drum tester such as a chassis dynamometer or speedometer tester, or when using an on vehicle wheel balancer
- When a strong impact is applied to the front bumper or front grille, due to an accident or other reasons
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning
- When the vehicle is driven in a sporty manner or off-road
- When the tires are not properly inflated
- When the tires are very worn
- When tires of a size other than specified are installed
- When tire chains are installed
- When a compact spare tire or an emergency tire puncture repair kit is used
- If equipment (snow plow, etc.) that may obstruct the radar sensor or front camera is temporarily installed to the vehicle

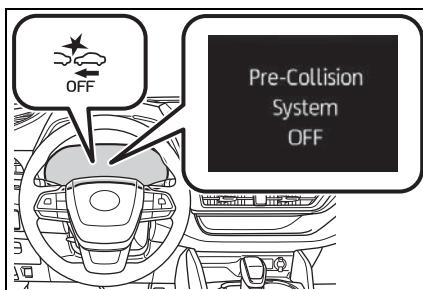
## Changing settings of the pre-collision system

### ■ Enabling/disabling the pre-collision system

The pre-collision system can be enabled/disabled on  (→P.77, 86) of the multi-information display.

The system is automatically enabled each time the power 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

#### ■ Operational conditions

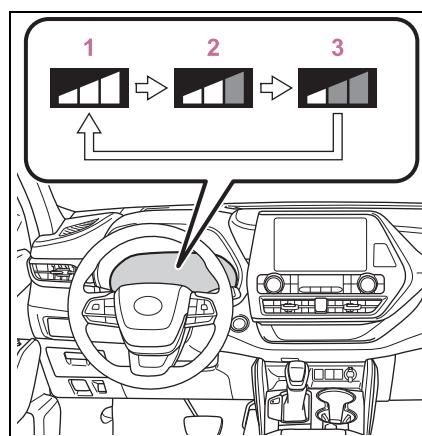
The pre-collision system is enabled and the system determines that the possibility of a frontal collision with a detected object is high.

Each function is operational at the following speed

- Pre-collision warning

can be changed on  (→P.77, 86) of the multi-information display.

The warning timing setting is retained when the power switch is turned OFF. However, if the pre-collision system is disabled and re-enabled, the operation timing will return to the default setting (middle).



**4**

Driving

## 196 4-5. Using the driving support systems

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)

\*: Applicable to vehicles designed for regions that detection of pedestrians and/or bicyclists is possible (→P.192)

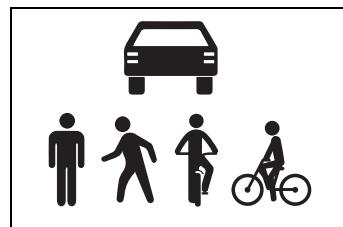
The system may not operate in the following situations:

- If a 12-volt battery terminal has been disconnected and reconnected and then the vehicle has not been driven for a certain amount of time
- If the shift lever is in R
- When the VSC OFF indicator is illuminated (only the pre-collision warning function will be operational)

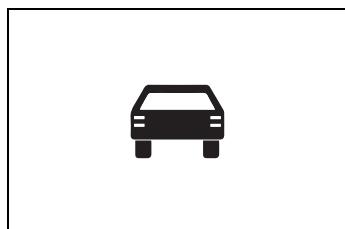
■ Object detection function

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.198)  
The illustration shows an image of detectable objects.

► Region A



## ► Region B

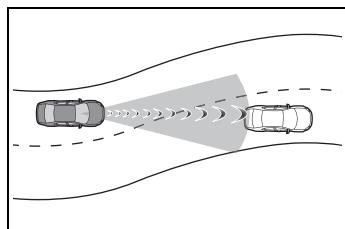
**■ Cancellation of the pre-collision braking**

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.

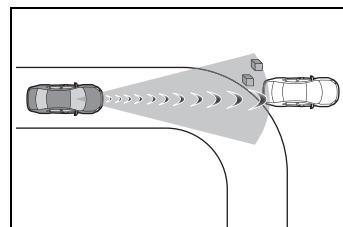
**■ Conditions under which the system may operate even if there is no possibility of a collision**

- 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

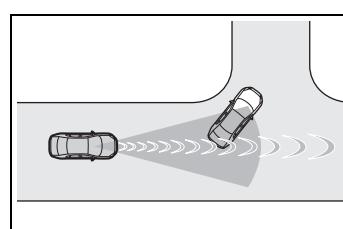


- When rapidly closing on a detectable object, etc.
- When approaching objects on the roadside, such as detectable objects, guardrails, utility poles, trees, or walls

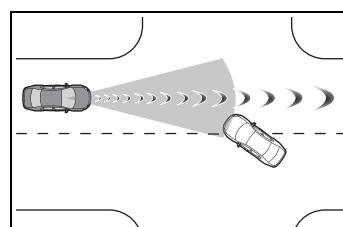
- When there is a detectable object or other object by the roadside at the entrance of a curve



- 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



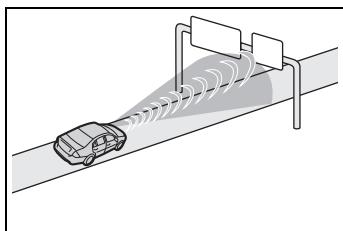
- When passing a detectable object in an oncoming lane that is stopped to make a right/left turn



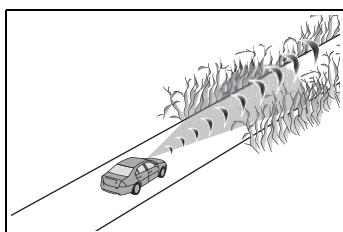
- When a detectable object approaches very close and then stops before entering the path of your vehicle
- If the front of your vehicle is raised or lowered, such as when on an uneven or undulating road surface
- When driving on a road surrounded by a structure, such as in a tunnel or on an iron bridge
- When there is a metal object (man-

## 198 4-5. Using the driving support systems

- 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

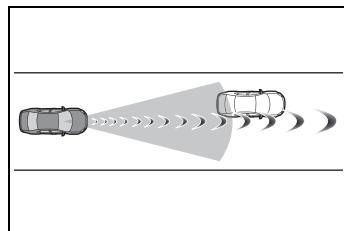


- When driving through steam or smoke
- When driving near an object that reflects radio waves, such as a large truck or guardrail
- When driving near a TV tower, broadcasting station, electric power plant, or other location where strong radio waves or electrical noise may be present

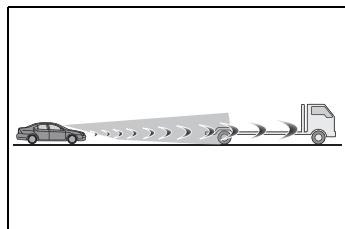
### Situations in which the system may not operate properly

- 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

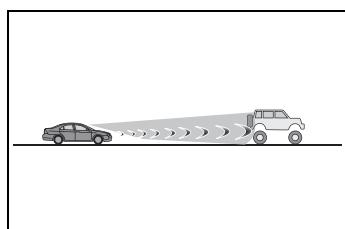
- If a detectable object makes an abrupt maneuver (such as sudden swerving, acceleration or deceleration)
- When your vehicle approaches a detectable object rapidly
- When a detectable object is not directly in front of your vehicle



- 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 bicycle<sup>\*1</sup> or 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



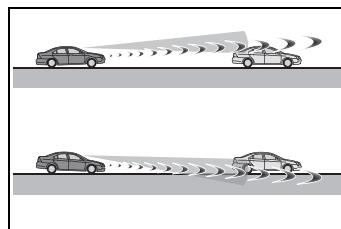
- If a vehicle ahead has extremely high ground clearance



- 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.)<sup>\*2</sup>
- If a pedestrian/or the riding height of a bicyclist ahead is shorter than approximately 1 m (3.2 ft.) or taller than approximately 2 m (6.5 ft.)<sup>\*2</sup>
- If a pedestrian/bicyclist is wearing oversized clothing (a rain coat, long skirt, etc.), making their silhouette obscure<sup>\*2</sup>
- If a pedestrian is bending forward or squatting or bicyclist is bending forward<sup>\*2</sup>
- If a pedestrian/bicyclist is moving fast<sup>\*2</sup>
- If a pedestrian is pushing a stroller, wheelchair, bicycle or other vehicle<sup>\*2</sup>
- When driving in inclement weather such as heavy rain, fog, snow or a sandstorm
- When driving through steam or smoke
- When the surrounding area is dim,

such as at dawn or dusk, or while at night or in a tunnel, making a detectable object appear to be nearly the same color as its surroundings

- When driving in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a tunnel
- After the hybrid system has started the vehicle has not been driven for a certain amount of time
- While making a left/right turn and for a few seconds after making a left/right turn
- While driving on a curve and for a few seconds after driving on a curve
- If your vehicle is skidding
- If the front of the vehicle is raised or lowered



- If the wheels are misaligned
- If a wiper blade is blocking the front camera
- The vehicle is being driven at extremely high speeds
- When driving on a hill
- If the radar sensor or front camera is misaligned
- In some situations such as the following, sufficient braking force may not be obtained, preventing the system from performing properly:
  - If the braking functions cannot operate to their full extent, such as when the brake parts are extremely cold, extremely hot, or wet
  - If the vehicle is not properly maintained (brakes or tires are excessively worn, improper tire inflation pressure, etc.)
  - When the vehicle is being driven on a gravel road or other slippery surface

<sup>\*1</sup>: Applicable to vehicles designed for

## 200 4-5. Using the driving support systems

countries/areas that detection of bicyclists is not possible (→P.192)

\*<sup>2</sup>: Applicable to vehicles designed for countries/areas that detection of pedestrians and/or bicyclists is possible (→P.192)

### ■ If VSC is disabled

- If VSC is disabled (→P.260), the pre-collision brake assist and pre-collision braking functions are also disabled.
- The PCS warning light will turn on and "VSC Turned OFF Pre-Collision Brake System Unavailable" will be displayed on the multi-information display.

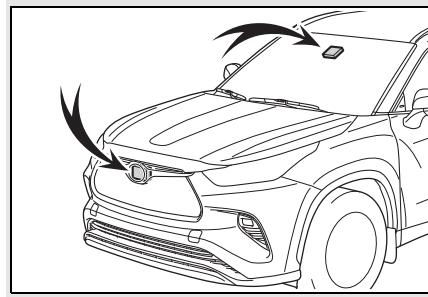
### LTA (Lane Tracing Assist)\*

\*: 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 freeways.

- 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.

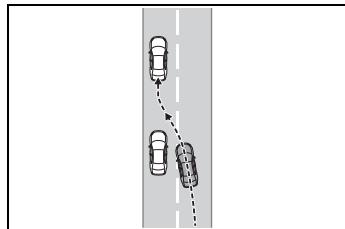
### ■ Conditions in which functions may not operate properly

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.

## 202 4-5. Using the driving support systems

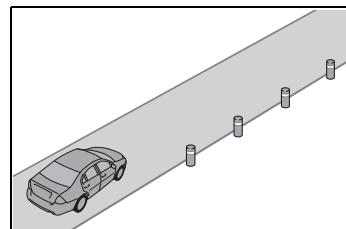
### **⚠ WARNING**

- When the follow-up cruising display is displayed (→P.206) and the preceding vehicle changes lanes. (Your vehicle may follow the preceding vehicle and also change lanes.)

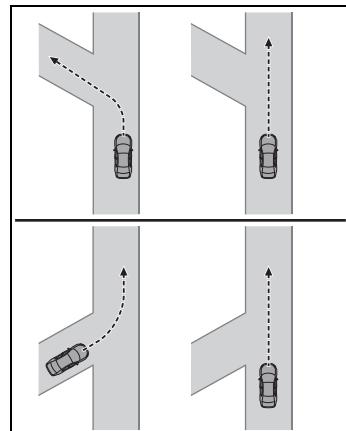


- When the follow-up cruising display is displayed (→P.206) and the preceding vehicle is swaying. (Your vehicle may sway accordingly and depart from the lane.)
- When the follow-up cruising display is displayed (→P.206) and the preceding vehicle departs from its lane. (Your vehicle may follow the preceding vehicle and depart from the lane.)
- When the follow-up cruising display is displayed (→P.206) 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.

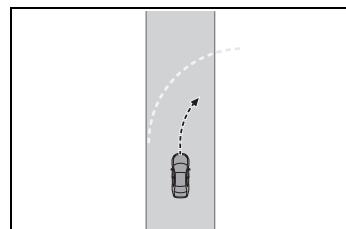
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, reflective poles, etc.).



- 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 cross-wind.
- 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.

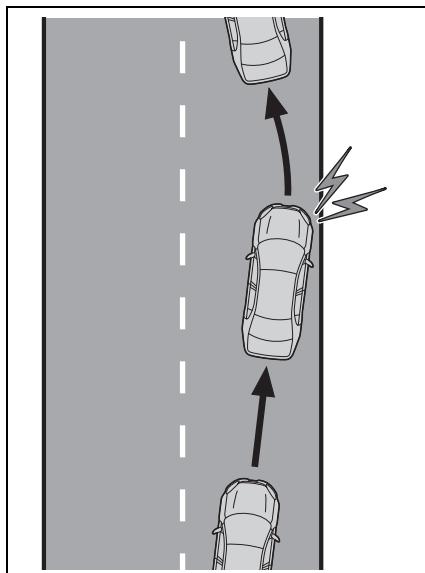
When the warning buzzer sounds, check the area around your vehicle and carefully operate the steering wheel to move the vehicle back to the center of

## 204 4-5. Using the driving support systems

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

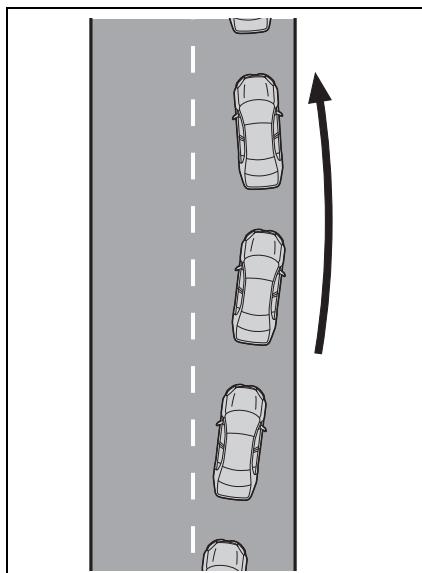
When the system determines that the vehicle might depart from its lane or course\*, the system provides assistance as necessary by operating the steering wheel in small amounts for a short period of time to keep the vehicle in its lane.

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.

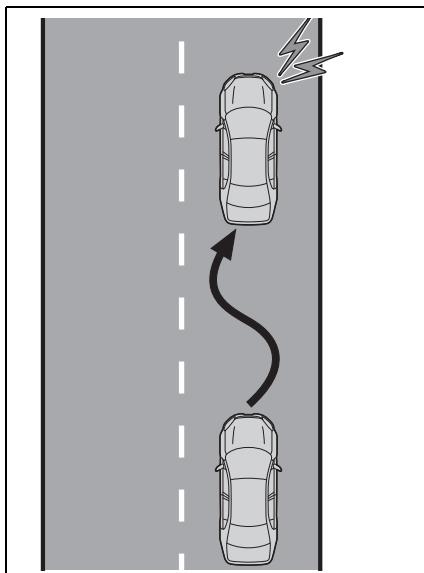
Vehicle with BSM: When the system determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the steering assist function will operate even if the turn signals are operating.

\*: 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

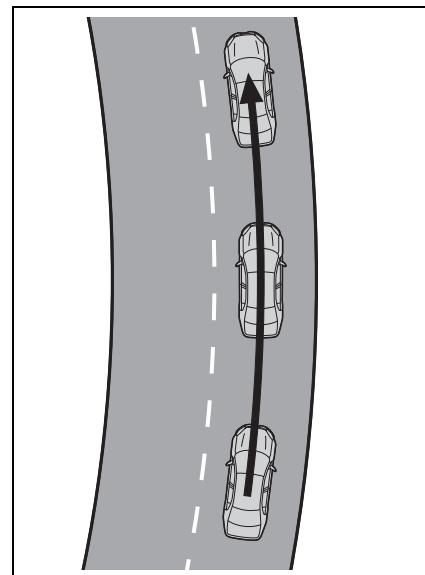
This function is linked with dynamic radar cruise control with full-speed range and provides the required assistance by operating the steering wheel to keep the vehicle in its current lane.

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.

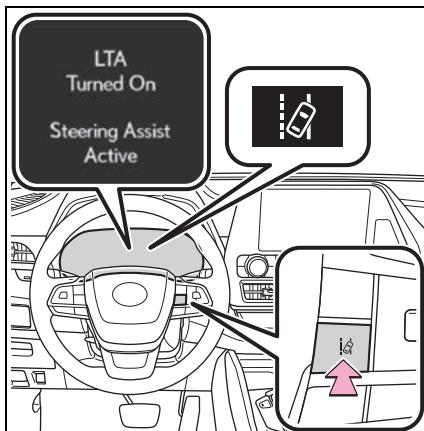
Press the LTA switch again to turn the LTA system off.

When the LTA system is turned on or off, operation of the LTA system continues in the same condition the next time the hybrid system is started.

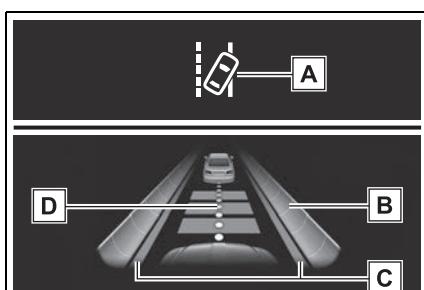
**4**

Driving

## 206 4-5. Using the driving support systems



**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 assist system information display.

Indicates that steering wheel assistance of the steering assist function or lane centering function is operating.

Both outer sides of the lane are displayed: Indicates that steering wheel assist of the lane centering function is operating.

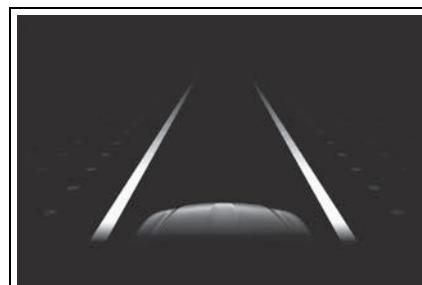
One outer side of the lane is displayed: Indicates that steering wheel assist of the steering assist function is operating.

Both outer sides of the lane are flashing: Alerts the driver that their input is necessary to stay in the center of the lane (lane centering function).

**C** Lane departure alert function display

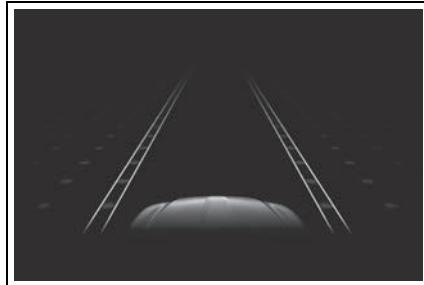
Displayed when the multi-information display is switched to the driving assist system information display.

► 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<sup>\*</sup> or is temporarily canceled.

<sup>\*</sup>: 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 assist system information display.

Indicates that steering assist of the lane centering function is operating by monitoring the position of a preceding vehicle.

When the follow-up cruising display is displayed, if the preceding vehicle moves, your vehicle may move in the same way. Always pay careful attention to your surroundings and operate the steering wheel as necessary to correct the path of the vehicle and ensure safety.

#### ■ 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.<sup>\*1</sup>
- System recognizes white (yellow) lane lines or a course<sup>\*2</sup>. (When a white [yellow] line or course<sup>\*2</sup> 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.209)

<sup>\*1</sup>: The function operates even if the vehicle speed is less than approximately 50 km/h (32 mph) when the lane centering function is operating.

<sup>\*2</sup>: 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.77, 86)
- 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.208)

##### ● 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

4

Driving

## 208 4-5. Using the driving support systems

"ON". (→P.77, 86)

- 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.209)

### ● 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.77, 86)
- 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.209)
- 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.208)
- The vehicle is being driven in the center of a lane.
- Steering assist function is not operating.

### ■ Temporary cancelation of functions

- When operation conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function is automatically restored. (→P.207)

- If the operation conditions (→P.207) 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.

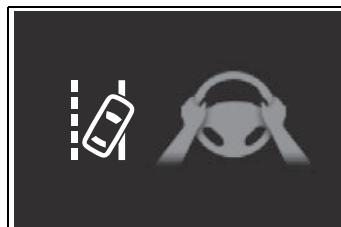
- Vehicle with BSM: It may not be possible for the system to determine if there is a danger of a collision with a vehicle in an adjacent lane.

- 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.

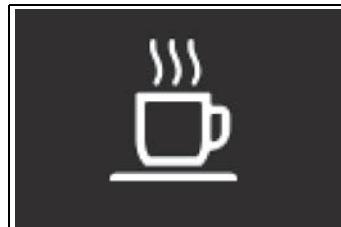
- When the system determines that the driver is driving without holding the steering wheel while the steering wheel assist of the steering assist function is operating.

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 simultaneously displayed on the multi-information display.



Depending on the vehicle and road conditions, the warning may not operate.

#### ■ Warning message

If the following warning message is displayed on the multi-information display and the LTA indicator illuminates in orange, follow the appropriate troubleshooting procedure. Also, if a different warning message is displayed, follow the instructions displayed on the screen.

- “LTA Malfunction Visit Your Dealer”

The system may not be operating properly. Have the vehicle inspected by your Toyota dealer.

- “LTA Unavailable”

The system is temporarily canceled due to a malfunction in a sensor other than the front camera. Turn the LTA system off, wait for a little while, and then turn the LTA system back on.

- “LTA Unavailable at Current Speed”

The function cannot be used as the vehicle speed exceeds the LTA operation range. Drive slower.

#### ■ Customization

Function settings can be changed.  
(Customizable features:→P.418)

4

Driving

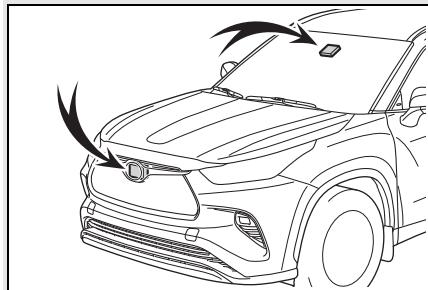
### LDA (Lane Departure Alert with steering control)\*

\*: 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.

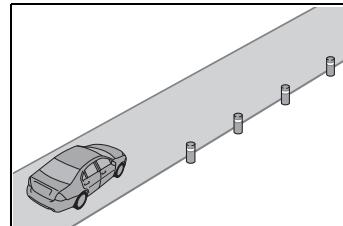
- A spare tire, tire chains, etc. are equipped.

- When the tires have been excessively worn, or when the tire inflation pressure is low.

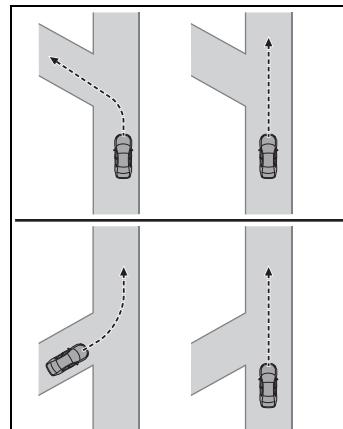
**⚠ WARNING**

- When tires of a size other than specified are installed.
- Vehicle is driven in traffic lanes other than that highways and freeways.
- 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.

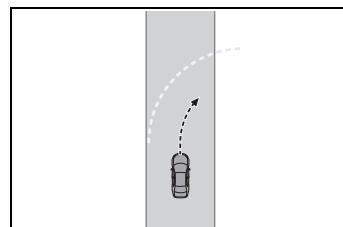
- Objects or patterns that could be mistaken for white (yellow) lines are present on the side of the road (guardrails, reflective poles, etc.).



- 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.

4

Driving

## 212 4-5. Using the driving support systems

### 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 cross-wind.
- 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

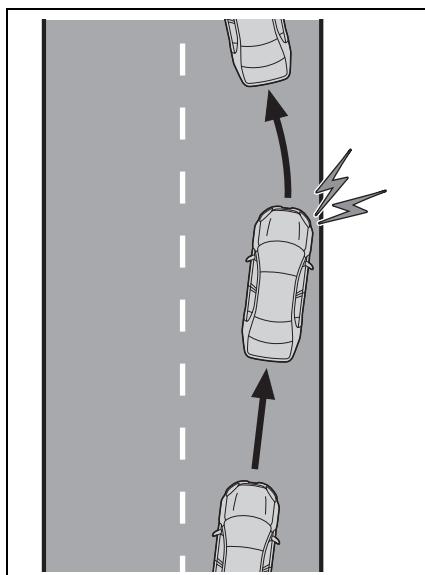
When the system determines that the vehicle might depart from its lane or course\*, a warning is displayed on the multi-information display, and a warning buzzer will sound to alert the driver.

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

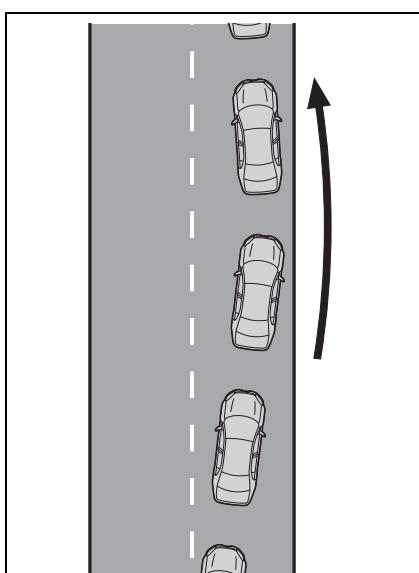
When the system determines that the vehicle might depart from its lane or course\*, the system provides assistance as necessary by operating the steering wheel in small amounts for a short period of time to keep the vehicle in its lane.

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

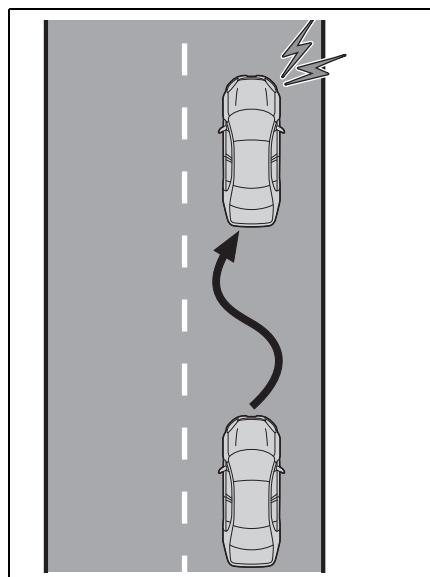
determines that the vehicle might depart from its lane and that the possibility of a collision with an overtaking vehicle in the adjacent lane is high, the steering assist function will operate even if the turn signals are operating.

\*: Boundary between asphalt and the side of the road, such as grass, soil, or a curb

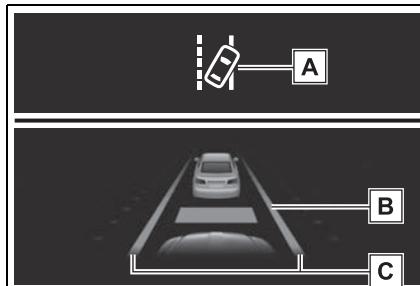


#### ■ Vehicle sway warning function

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.



### 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.

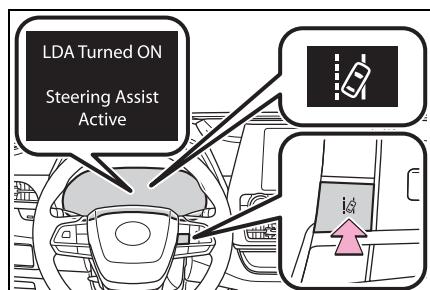
#### B Operation display of steering wheel operation support

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.

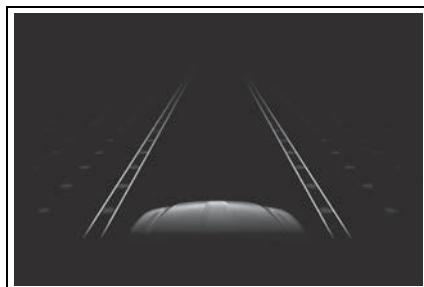


- ▶ Inside of displayed lines is white



Indicates that the system is recognizing white (yellow) lines or a course<sup>\*</sup>. 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<sup>\*</sup> or is temporarily canceled.

<sup>\*</sup>: 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<sup>\*</sup>. (When a white [yellow] line or course<sup>\*</sup> 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.217)

<sup>\*</sup>: 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.77, 86)
- 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.216)

##### ● 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.77, 86)
- Vehicle speed is approximately 50 km/h (32 mph) or more.
- Width of traffic lane is approximately 3

4

Driving

## 216 4-5. Using the driving support systems

m (9.8 ft.) or more.

- No system malfunctions are detected.  
(→P.217)

### ■ 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.215)

### ■ 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

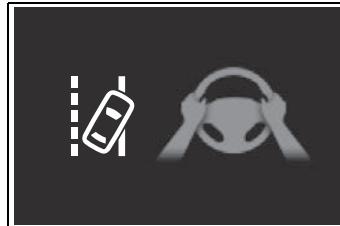
- The warning buzzer may be difficult to hear due to external noise, audio playback, etc.
- If the edge of the course<sup>\*</sup> is not clear or straight, the lane departure alert function may not operate.
- Vehicle with BSM: It may not be possible for the system to determine if there is a danger of a collision with a vehicle in an adjacent lane.
- Do not attempt to test the operation of the lane departure alert function.

<sup>\*</sup>: 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

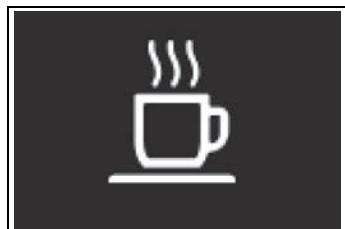
Depending on the vehicle condition and road conditions, the warning may not operate. Also, if the system determines that the vehicle is driving around a curve, warnings will occur earlier than during straight-lane driving.

- 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 simultaneously displayed on the multi-information display.



Depending on the vehicle and road conditions, the warning may not operate.

more.

**■ Customization**

Function settings can be changed.  
(Customizable features:→P.418)

**4**

Driving

**■ 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

### Dynamic radar cruise control with full-speed range\*

\*: If equipped

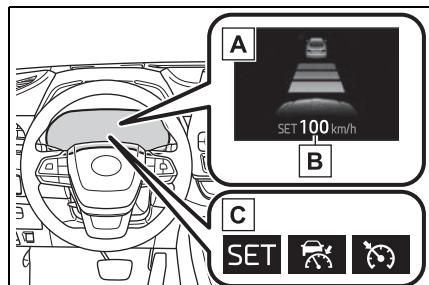
**In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates, decelerates and stops to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.**

**Use the dynamic radar cruise control with full-speed range on freeways and highways.**

- Vehicle-to-vehicle distance control mode (→P.220)
- Constant speed control mode (→P.225)

### System Components

#### Meter display

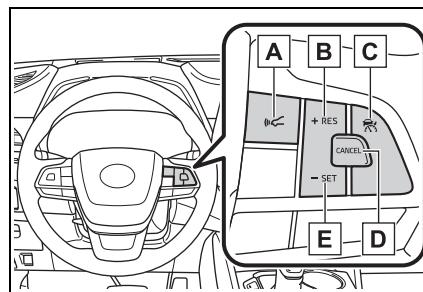


**A** Multi-information display

**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.227

### **WARNING**

- Conditions under which the vehicle-to-vehicle distance control mode may not function correctly:  
→P.227
- 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.

#### **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.

## 220 4-5. Using the driving support systems

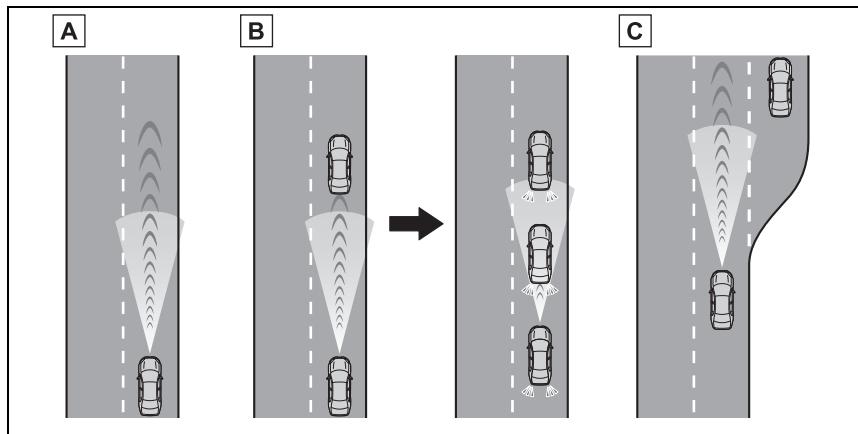
### WARNING

- Roads where there are pedestrians, cyclists, etc.
- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients  
Vehicle speed may exceed the set speed when driving down a steep hill.
- At entrances to freeways and highways
- When weather conditions are bad enough that they may prevent the sensors from detecting correctly (fog, snow, sandstorm, heavy rain, etc.)
- When there is rain, snow, etc. on the front surface of the radar or front camera
- In traffic conditions that require frequent repeated acceleration and deceleration
- During emergency towing
- When an approach warning buzzer is heard often

### Driving in vehicle-to-vehicle distance control mode

This mode employs a radar to detect the presence of vehicles up to approximately 100 m (328 ft.) ahead, determines the current vehicle-to-vehicle following distance, and operates to maintain a suitable following distance from the vehicle ahead. The desired vehicle-to-vehicle distance can also be set by operating the vehicle-to-vehicle distance switch.

When driving on downhill slopes, the vehicle-to-vehicle distance may become shorter.

**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 a left lane while driving at 80 km/h (50 mph) or more, the vehicle will quickly accelerate to help to overtake a passing vehicle.

**C Example of acceleration**

When there are no longer any preceding vehicles driving slower than the set speed

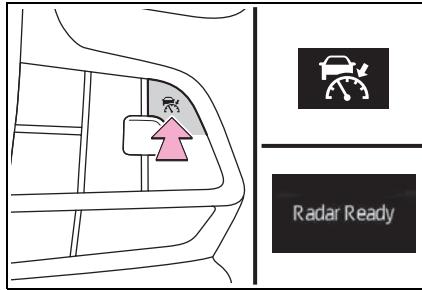
The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

### Setting the vehicle speed (vehicle-to-vehicle distance control mode)

- 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.225)

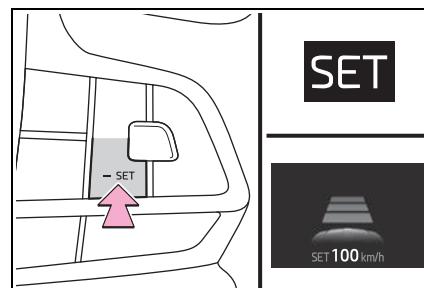


- Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the "-SET" switch to set the speed.

Cruise control "SET" indicator will come on.

The vehicle speed at the moment the switch is released becomes the set

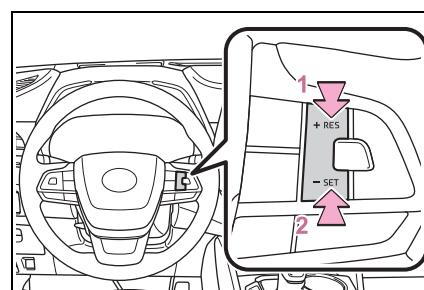
speed.



### Adjusting the set speed

- Adjusting the set speed by the switch

To change the set speed, press the "+RES" or "-SET" switch until the desired set speed is displayed.



- Increases the speed (Except when the vehicle has been stopped by system control in vehicle-to-vehicle distance control mode)

- 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)<sup>\*1</sup> or 1 mph (1.6 km/h)<sup>\*2</sup> each time the switch is pressed

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)<sup>\*1</sup> or 5 mph (8 km/h)<sup>\*2</sup> increments for as long as the switch is held

In the constant speed control mode (→P.225), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph) or 1 mph (1.6 km/h)<sup>\*2</sup> each time the switch is pressed

Large adjustment: The speed will continue to change while the switch is held.

<sup>\*1</sup>: When the set speed is shown in "km/h"

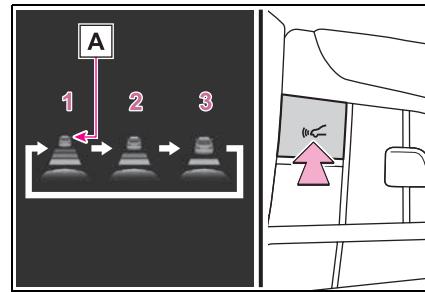
<sup>\*2</sup>: When the set speed is shown in "MPH"

- Increasing the set speed by the accelerator pedal

- 1 Accelerate with accelerator pedal operation to the desired vehicle speed
- 2 Press the "-SET" switch

### Changing the vehicle-to-vehicle distance (vehicle-to-vehicle distance control mode)

Pressing the switch changes the vehicle-to-vehicle distance as follows:



**1** Long

**2** Medium

**3** Short

The vehicle-to-vehicle distance is set automatically to long mode when the power switch is turned to ON.

If a vehicle is running ahead of you, the preceding vehicle mark **A** will also be displayed.

**4**

Driving

### 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.

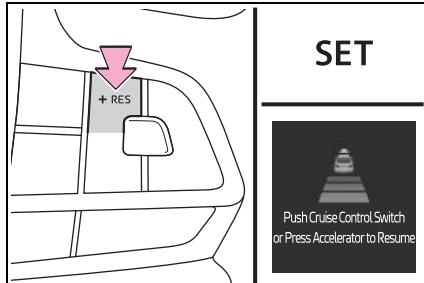
## 224 4-5. Using the driving support systems

Distance options	Vehicle-to-vehicle distance
Long	Approximately 50 m (160 ft.)
Medium	Approximately 40 m (130 ft.)
Short	Approximately 30 m (100 ft.)

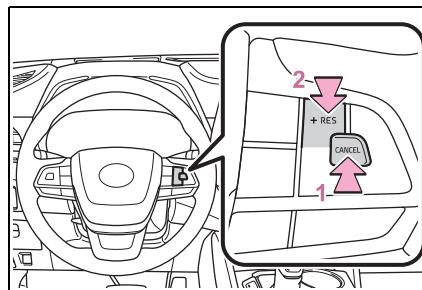
### Resuming follow-up cruising when the vehicle has been stopped by system control (vehicle-to-vehicle distance control mode)

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.



### Cancelling and resuming the speed control



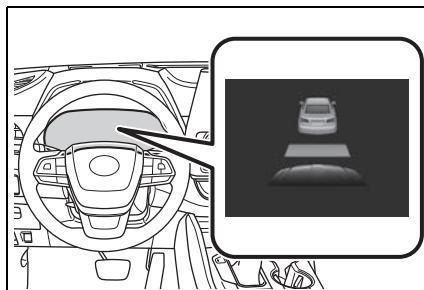
- 1 Pressing the cancel switch cancels the speed control.

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

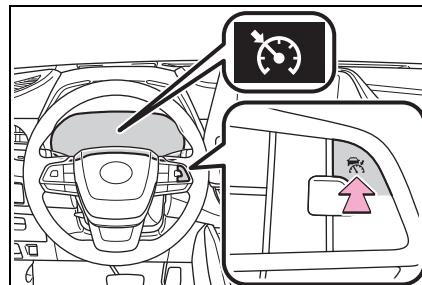
**Selecting constant speed control mode**

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.

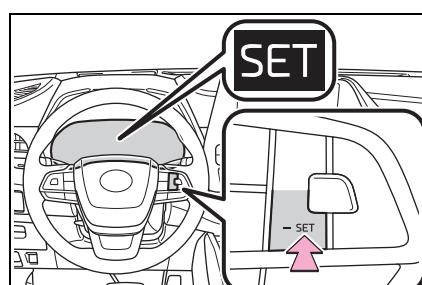


- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the “-SET” switch to set the speed.

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.222  
Canceling and resuming the speed setting: →P.224



**■ Dynamic radar cruise control with full-speed range can be set when**

- The shift lever is in D.

4

Driving

## 226 4-5. Using the driving support systems

- The desired set speed can be set when the vehicle speed is approximately 30 km/h (20 mph) or more. (However, when the vehicle speed is set while driving at below approximately 30 km/h [20 mph], the set speed will be set to approximately 30 km/h [20 mph].)

### ■ Accelerating after setting the vehicle speed

The vehicle can accelerate by operating the accelerator pedal. After accelerating, the set speed resumes. However, during vehicle-to-vehicle distance control mode, the vehicle speed may decrease below the set speed in order to maintain the distance to the preceding vehicle.

### ■ When the vehicle stops while follow-up cruising

- Pressing the “+RES” switch while the vehicle ahead stops will resume follow-up cruising if the vehicle ahead starts off within approximately 3 seconds after the switch is pressed.
- If the vehicle ahead starts off within 3 seconds after your vehicle stops, follow-up cruising will be resumed.

### ■ Automatic cancelation of vehicle-to-vehicle distance control mode

Vehicle-to-vehicle distance control mode is automatically canceled in the following situations.

- VSC is activated.
- TRC is activated for a period of time.
- When the VSC or TRC system is turned off.
- The sensor cannot detect correctly because it is covered in some way.
- 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.
- The parking brake is operated.

If constant speed control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

### ■ Brake operation

A brake operation sound may be heard and the brake pedal response may change, but these are not malfunctions.

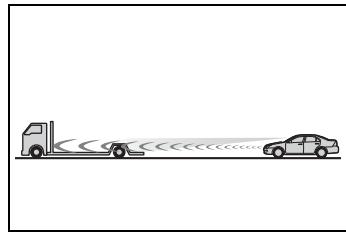
### ■ Warning messages and buzzers for dynamic radar cruise control with full-speed range

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.190, 377)

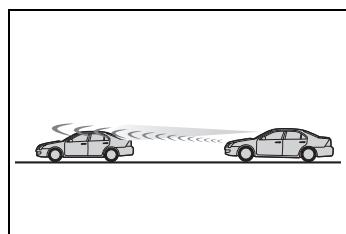
**■ When the sensor may not be correctly detecting the vehicle ahead**

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.224) may not be activated.

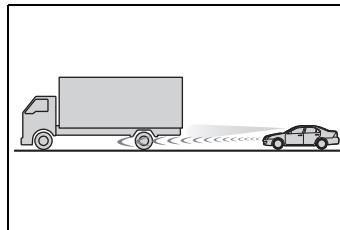
- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving in the same lane
- Vehicles with small rear ends (trailers with no load on board, etc.)



- 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

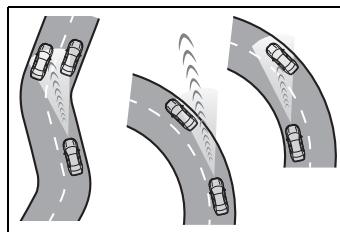


**■ Conditions under which the vehicle-to-vehicle distance control mode may not function correctly**

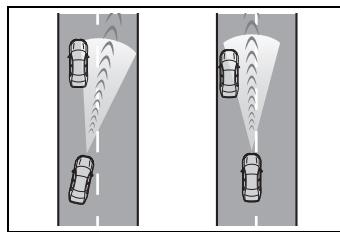
In the case of the following conditions, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

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

4

Driving

### Dynamic radar cruise control\*

\*: If equipped

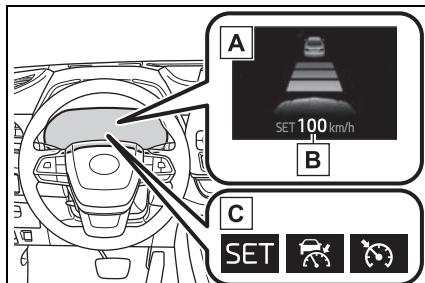
**In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates and decelerates to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed.**

**Use the dynamic radar cruise control on freeways and highways.**

- Vehicle-to-vehicle distance control mode (→P.230)
- Constant speed control mode (→P.234)

### System Components

#### Meter display

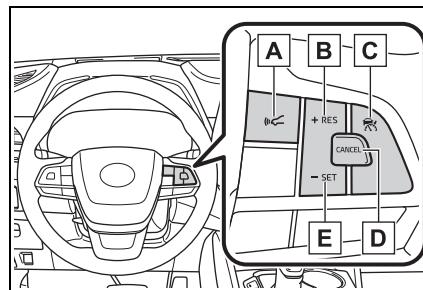


**A** Multi-information display

**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.235
  - Conditions under which the vehicle-to-vehicle distance control mode may not function correctly: →P.236

### **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 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.

## 230 4-5. Using the driving support systems

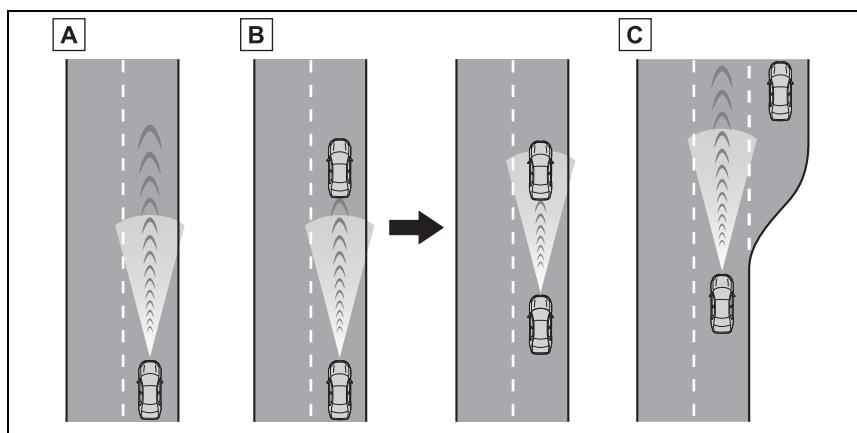
### **⚠ WARNING**

- 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
- 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 a left lane while driving at 80 km/h (50 mph) or more, the vehicle will quickly accelerate to help to overtake a passing vehicle.

**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.

4

Driving

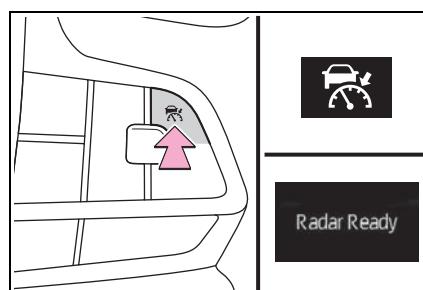
**Setting the vehicle speed  
(vehicle-to-vehicle distance  
control mode)**

- 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.234)



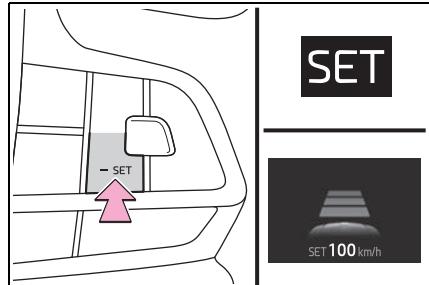
- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the "-SET" switch to set the speed.

Cruise control "SET" indicator will come on.

The vehicle speed at the moment the

## 232 4-5. Using the driving support systems

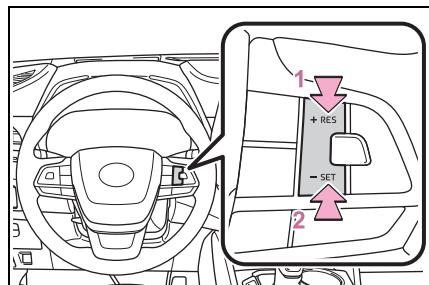
switch is released becomes the set speed.



### Adjusting the set speed

- Adjusting the set speed by the switch

To change the set speed, press the "+RES" or "-SET" switch until the desired set speed is displayed.



1 Increases the speed

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)<sup>\*1</sup> or 1 mph (1.6 km/h)<sup>\*2</sup> each time

the switch is pressed

Large adjustment: Increases or decreases in 5 km/h (3.1 mph)<sup>\*1</sup> or 5 mph (8 km/h)<sup>\*2</sup> increments for as long as the switch is held

In the constant speed control mode (→P.234), the set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph)<sup>\*1</sup> or 1 mph (1.6 km/h)<sup>\*2</sup> each time the switch is pressed

Large adjustment: The speed will continue to change while the switch is held.

\*<sup>1</sup>: When the set speed is shown in "km/h"

\*<sup>2</sup>: When the set speed is shown in "MPH"

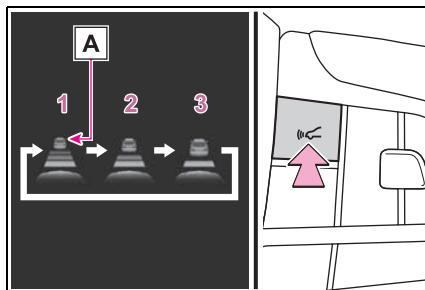
- Increasing the set speed by the accelerator pedal

1 Accelerate with accelerator pedal operation to the desired vehicle speed

2 Press the "-SET" switch

### Changing the vehicle-to-vehicle distance (vehicle-to-vehicle distance control mode)

Pressing the switch changes the vehicle-to-vehicle distance as follows:

**1** Long**2** Medium**3** Short

The vehicle-to-vehicle distance is set automatically to long mode when the power switch is turned to ON.

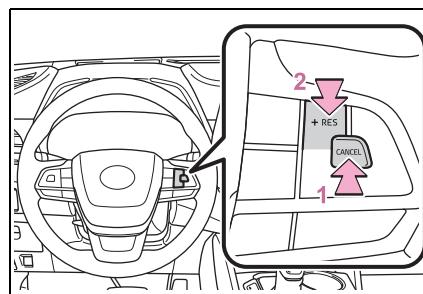
If a vehicle is running ahead of you, the preceding vehicle mark **A** will also be displayed.

#### **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.)

#### **Cancelling 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.

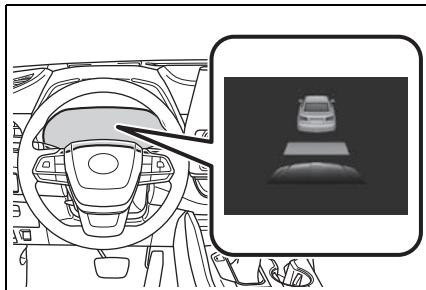
However, cruise control does not resume when the vehicle speed is approximately 25 km/h (16 mph) or less.

**4**

Driving

#### **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**

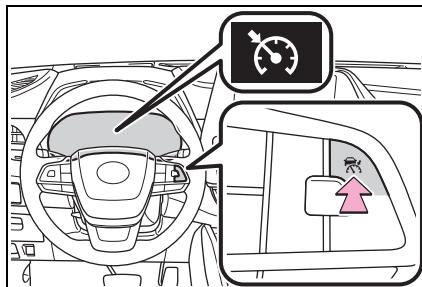
When constant speed control mode is selected, your vehicle will maintain a set speed without controlling the vehicle-to-vehicle distance.

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.



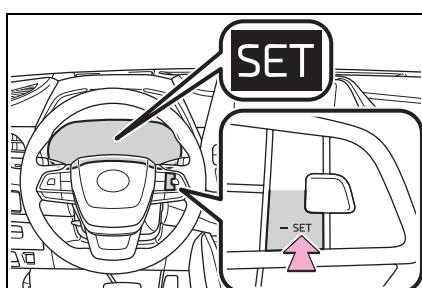
- 2 Accelerate or decelerate, with accelerator pedal operation, to the desired vehicle speed (at or above approximately 30 km/h [20 mph]) and press the “-SET” switch to set the speed.

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.232)

Canceling and resuming the speed setting: (→P.233)



**■ Dynamic radar cruise control can be set when**

- The shift lever is in D.

- 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.

#### ■ 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.
- The parking brake is operated.

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.
- The parking brake is operated.

If constant speed control mode is automatically canceled for any reasons other than the above, there may be a malfunction in the system. Contact your Toyota dealer.

#### ■ 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.190, 377)

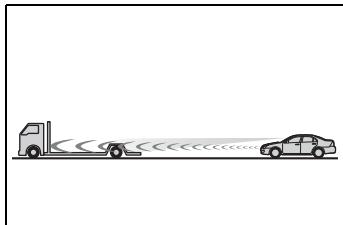
#### ■ When the sensor may not be correctly detecting the vehicle ahead

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.

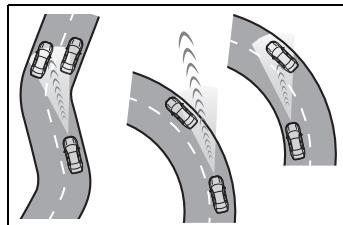
As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P.233) may not be activated.

- 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.)

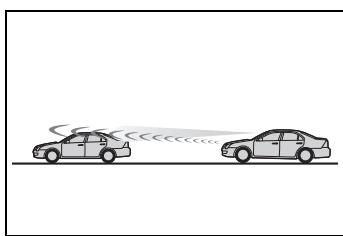
## 236 4-5. Using the driving support systems



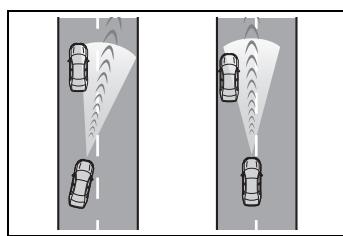
- Motorcycles traveling in the same lane
- When water or snow thrown up by the surrounding vehicles hinders the detecting of the sensor
- When your vehicle is pointing upwards (caused by a heavy load in the luggage compartment, etc.)



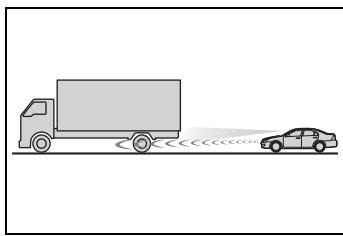
- When steering wheel operation or your position in the lane is unstable



- Preceding vehicle has an extremely high ground clearance



- 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



### ■ 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.

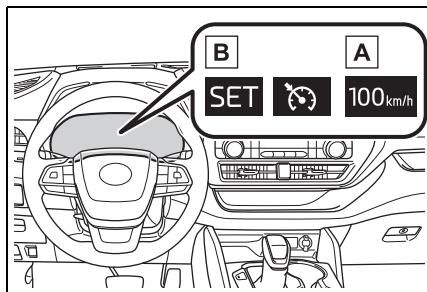
As the sensor may not be able to correctly detect vehicles ahead, the system may not operate properly.

- When the road curves or when the lanes are narrow

**Cruise control\***

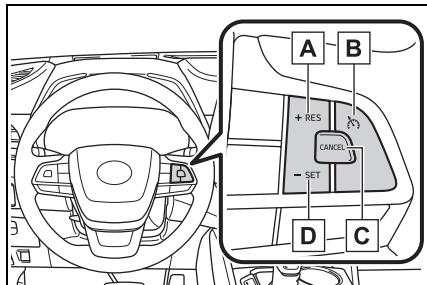
\*: If equipped

**Use the cruise control to maintain a set speed without operating the accelerator pedal.**

**System components****Meter display**

**A** Set speed

**B** Indicators

**Operation switches**

**A** "+RES" switch

**B** Cruise control main switch

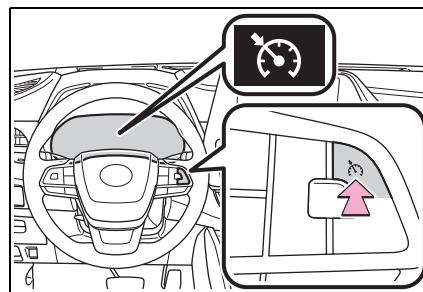
**C** Cancel switch

**D** "-SET" switch

**Setting the vehicle speed**

- 1 Press the cruise control main switch to activate the cruise control.

Cruise control indicator will come on.  
Press the switch again to deactivate the cruise control.



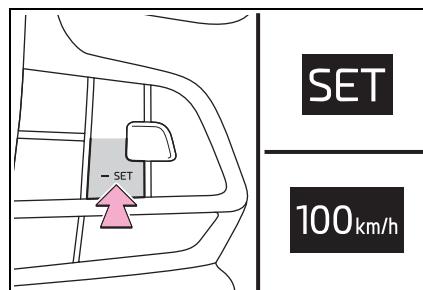
4

Driving

- 2 Accelerate or decelerate the vehicle to the desired speed, and press the "-SET" switch to set the speed.

Cruise control "SET" indicator and set speed will be displayed on the multi-information display.

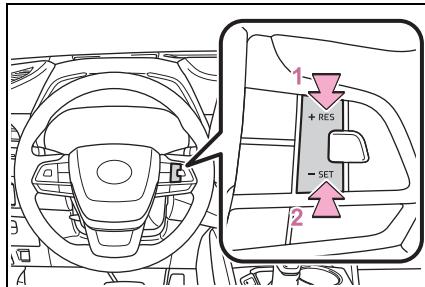
The vehicle speed at the moment the switch is released becomes the set speed.

**Adjusting the set speed**

To change the set speed, press the "+RES" or "-SET" switch until the

## 238 4-5. Using the driving support systems

desired set speed is obtained.



- 1 Increases the speed
- 2 Decreases the speed

Fine adjustment: Press the switch in the desired direction.

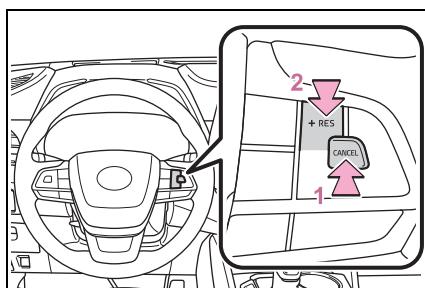
Large adjustment: Press and hold switch.

The set speed will be increased or decreased as follows:

Fine adjustment: By 1 km/h (0.6 mph) each time the switch is pressed

Large adjustment: The set speed can be increased or decreased continually until the switch is released.

### Cancelling and resuming the constant speed control



- 1 Pressing the cancel switch cancels the constant speed control.

The speed setting is also canceled when the brake pedal is depressed.

- 2 Pressing the "+RES" switch resumes the constant speed control.

Resuming is available when the vehicle speed is more than approximately 30km/h (20 mph).

#### ■ Cruise control can be set when

- The shift lever is in D.
- Vehicle speed is above approximately 30 km/h (20 mph).

#### ■ Accelerating after setting the vehicle speed

- The vehicle can be accelerated by operating accelerator pedal. After accelerating, the set speed resumes.
- Even without canceling the cruise control, the set speed can be increased by first accelerating the vehicle to the desired speed and then pressing the "-SET" switch to set the new speed.

#### ■ Automatic cancellation of cruise control

Cruise control is automatically canceled in any of the following situations.

- Actual vehicle speed falls more than approximately 16 km/h (10 mph) below the set speed.
  - Actual vehicle speed is below approximately 30 km/h (20 mph).
  - VSC is activated.
  - TRC is activated for a period of time.
  - When the VSC or TRC system is turned off by pressing the VSC OFF switch.
  - The parking brake is operated.
- If "Cruise Control Malfunction Visit Your Dealer" is displayed on the multi-information display

Press the cruise control main switch once to deactivate the system, and then press the switch again to reactivate the system. If the cruise control speed cannot be set or if the cruise control cancels

immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by your Toyota dealer.

### **WARNING**

#### ■ To avoid operating the cruise control by mistake

Switch the cruise control off using the cruise control main switch when not in use.

#### ■ Situations unsuitable for cruise control

Do not use cruise control in any of the following situations.

Doing so may result in loss of control and could cause an accident resulting in death or serious injury.

- In heavy traffic
  - On roads with sharp bends
  - On winding roads
  - On slippery roads, such as those covered with rain, ice or snow
  - On steep hills
- Vehicle speed may exceed the set speed when driving down a steep hill.
- During emergency towing

### **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**

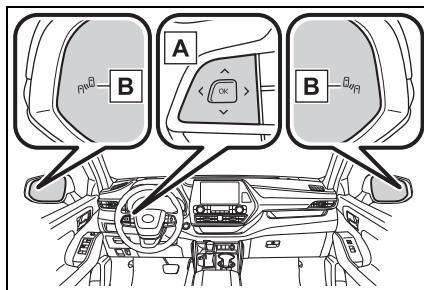
#### ■ Cautions regarding the use of the system

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.  
When the BSM function is disabled, the BSM OFF indicator illuminates.

#### 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.

#### 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.240) 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 or misaligned. Have the vehicle inspected by your Toyota dealer.

#### Customization

Some functions can be customized. (→P.418)

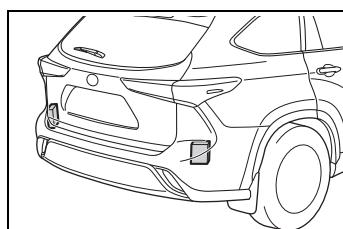
### **WARNING**

#### 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.

- 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.240) 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.242) satisfied for approximately 10 minutes. If the warning message does not disappear, have the vehicle inspected by your Toyota dealer.



**WARNING**

- Do not attach stickers to the sensor or 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.

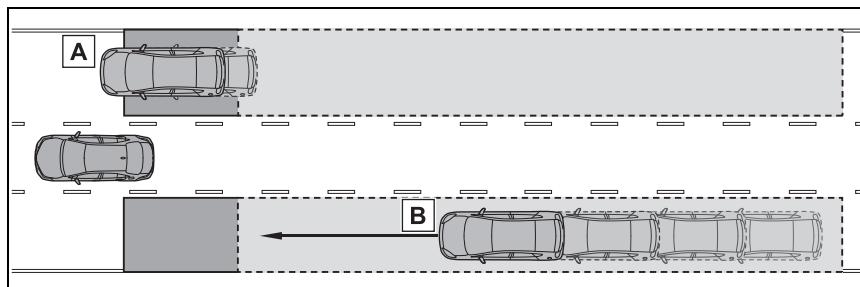
- 1 Press  $\wedge$  or  $\vee$  of the meter control switches and select .
- 2 Press  $<$  or  $>$  of the meter control switches to select  and then press .

4

Driving

**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.

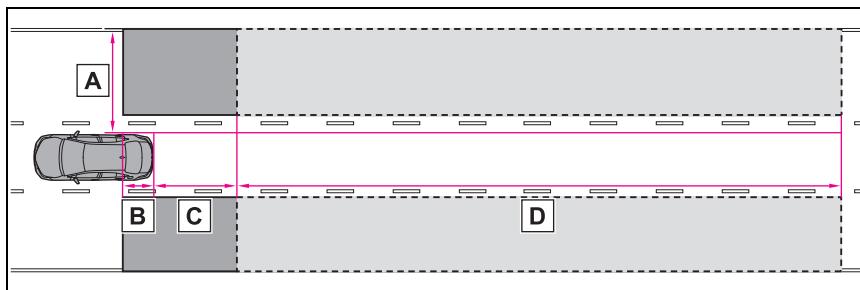


## 242 4-5. Using the driving support systems

- 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<sup>\*1</sup>
- 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<sup>\*2</sup>

<sup>\*1</sup>: The area between the side of the vehicle and 0.5 m (1.6 ft.) from the side of the vehicle cannot be detected.

<sup>\*2</sup>: 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 an 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

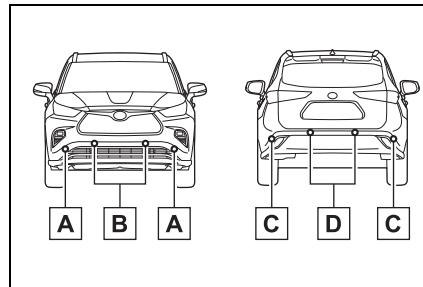
### Toyota parking assist-sensor\*

\*: If equipped

The distance from your vehicle to objects, such as a wall, when parallel parking or maneuvering into a garage is measured by the sensors and communicated via the multi-information display, head-up display, audio system screen and a buzzer. Always check the surrounding area when using this system.

### System components

#### ■ Types of sensors



**A** Front corner sensors

**B** Front center sensors

**C** Rear corner sensors

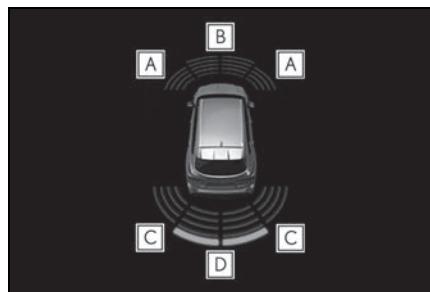
**D** Rear center sensors

#### ■ Display

When the sensors detect an object, such as a wall, a graphic is shown on the multi-information display, head-up display and audio system

screen depending on the position and distance to the object.

- Multi-information display and head-up display



**A** Front corner sensor detection

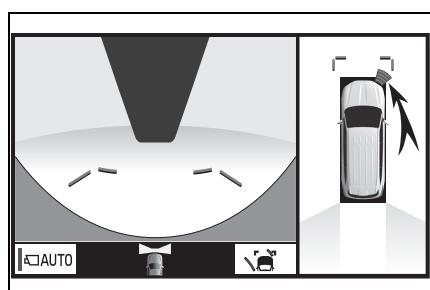
**B** Front center sensor detection

**C** Rear corner sensor detection

**D** Rear center sensor detection

- Audio system screen

A graphic will be displayed on the audio system screen.



### Turning Toyota parking assist-sensor on/off

Use the meter control switches to enable/disable the Toyota parking assist-sensor. (→P.86)

- 1 Press  $\wedge$  or  $\vee$  to select .

- 2 Press  $<$  or  $>$  to select  and then press .

When the Toyota parking assist-sensor function is disabled, the Toyota parking assist-sensor OFF indicator (→P.66) illuminates.

To re-enable the system, select  on the multi-information display, select  and turn it on. If the system is disabled, it will remain off even if the power switch is turned to ON after the power switch has been turned off.

4

Driving

### WARNING

#### When using the Toyota parking assist-sensor

Observe the following precautions. Failing to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

- Do not use the sensor at speeds in excess of 10 km/h (6 mph).
- The sensors' detection areas and reaction times are limited. When moving forward or reversing, check the areas surrounding the vehicle (especially the sides of the vehicle) for safety, and drive slowly, using the brake to control the vehicle's speed.
- Do not install accessories within the sensors' detection areas.
- The area directly under the bumpers is not detected. Thin posts or objects lower than the sensor may not be detected when approached, even if they have been detected once.

### **WARNING**

#### ■ When to disable the function

In the following situations, disable the function as it may operate even though there is no possibility of a collision.

- The vehicle is equipped with a fender pole, wireless antenna or fog lights.
- The front or rear bumper or a sensor receives a strong impact.
- A non-genuine Toyota suspension (lowered suspension, etc.) is installed.
- Towing eyelets are installed.
- A backlit licence plate is installed.

#### ■ When using Toyota parking assist-sensor

In the following situations, the system may not function correctly due to a sensor malfunction, etc. Have the vehicle checked by your Toyota dealer.

- The Toyota parking assist-sensor operation display flashes or shows continuously, and a beep sounds when no objects are detected.
- If the area around a sensor collides with something, or is subjected to strong impact.
- If the bumper or grille collides with something.
- If the display flashes or is displayed continuously and a buzzer does not sound, except when the mute function has been turned on.
- If a display error occurs, first check the sensor.  
If the error occurs even when there is no ice, snow or mud on the sensor, it is likely that the sensor is malfunctioning.

#### ■ Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area.

Doing so may result in the sensor malfunctioning.

- When using a high pressure washer to wash the vehicle, do not spray the sensors directly, as doing so may cause a sensor to malfunction.
- When using steam to clean the vehicle, do not direct steam too close to the sensors as doing so may cause a sensor to malfunction.

#### ■ The system can be operated when

- The power switch is in ON.
- Toyota parking assist-sensor function is on.
- The vehicle speed is less than about 10 km/h (6 mph).
- A shift lever other than P.

#### ■ If “Parking Assist Unavailable” is displayed on the multi-information display

- Water may be continuously flowing over the sensor surface, such as in a heavy rain. When the system determines that it is normal, the system will return to normal.
- Initialization may not have been performed after a battery terminal was disconnected and reconnected. Initialize the system. (→P.247) If this message continues to be displayed even after initialization, have the vehicle inspected by your Toyota dealer.

#### ■ If “Parking Assist Unavailable Clean Parking Assist Sensor” is displayed on the multi-information display

A sensor may be covered with ice, snow, dirt, etc. Remove the ice, snow, dirt, etc., from the sensor to return the system to normal.

Also, due to ice forming on a sensor at low temperatures, a warning message may be displayed or the sensor may not be able to detect an object. Once the ice melts, the system will return to normal.

#### ■ If a 12-volt battery terminal has been disconnected and reconnected

The system needs to be initialized. To initialize the system, drive the vehicle straight ahead for 5 seconds or more at a speed of approximately 35 km/h (22 mph) or more.

#### ■ Sensor detection information

- The following situations may occur during use.

- The sensor's detection areas are limited to the areas around the vehicle front and rear bumpers.
- Depending on the shape of the object and other factors, the detection distance may shorten, or detection may be impossible.
- If an object is extremely close to a sensor, it may not be detected.
- There will be a short delay between object detection and display. Even at low speeds, there is a possibility that the object will come within the sensor's detection areas before the display is shown and the warning beep sounds.
- It might be difficult to hear the buzzer due to the volume of the audio system or air flow noise of the air conditioning system.
- It may be difficult to hear the buzzer if buzzers for other systems are sounding.

#### ■ Conditions under which the function may not function correctly

Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect objects. Particular instances where this may occur are listed below.

- There is dirt, snow or ice on a sensor. (Cleaning the sensors will resolve this problem.)

- A sensor is frozen. (Thawing the area will resolve this problem.)

In especially cold weather, if a sensor is frozen the sensor display may be displayed abnormally, or objects, such as a wall, may not be detected.

- A sensor is covered in any way.
- When a sensor or the area around a sensor is extremely hot or cold.
- On an extremely bumpy road, on an incline, on gravel, or on grass.
- The vicinity of the vehicle is noisy due to vehicle horns, motorcycle engines, air brakes of large vehicles, or other loud noises producing ultrasonic waves.
- There is another vehicle equipped with parking assist sensors in the vicinity.
- A sensor is coated with a sheet of spray or heavy rain.

- If a sensor is hit by a large amount of water, such as when driving on a flooded road.
- If the vehicle is significantly tilted.
- The vehicle is approaching a tall or curved curb.
- If objects draw too close to the sensor.

#### ■ Objects which may not be properly detected

The shape of the object may prevent the sensor from detecting it. Pay particular attention to the following objects:

- Wires, fences, ropes, etc.
- Cotton, snow and other materials that absorb sound waves
- Sharply-angled objects
- Low objects
- Tall objects with upper sections projecting outwards in the direction of your vehicle

People may not be detected if they are wearing certain types of clothing.

### Setting the buzzer volume

#### Adjusting the buzzer volume

The buzzer volume can be adjusted on the multi-information display.

Use the meter control switches to change settings. (→P.86)

1 Press  $\wedge$  or  $\vee$  to select .

2 Press  $<$  or  $>$  to select and  then press and hold .

3 Select the volume and then press .

Each time the switch is pressed, the volume level will change between 1, 2, and 3.

#### Muting a buzzer temporarily

A mute button will be displayed on the multi-information display when an object is detected. To mute the

buzzer, press .

Mute will be canceled automatically in the following situations:

- When the shift lever is changed.
- When the vehicle speed exceeds a certain speed.
- When there is malfunction in a sensor or the system is temporarily unavailable.

#### Multi-information display, head-up display and audio system screen

When an object is detected by a sensor, the approximate distance to the object will be displayed on the multi-information display, audio system screen, and head-up display. (As the distance to the object becomes short, the distance segments may blink.)

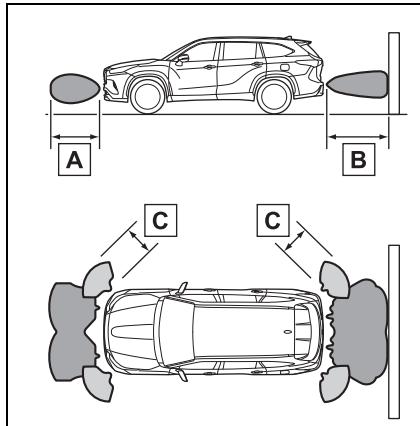
- Approximate distance to object: 150 cm (4.9 ft.) to 60 cm (2.0 ft.)<sup>\*</sup> (Rear

- When the operating function is disabled manually.

- When the power switch is turned off.

### Sensor detection display, object distance

#### Detection range of the sensors



**A** Approximately 100 cm (3.3 ft.)

**B** Approximately 150 cm (4.9 ft.)

**C** Approximately 60 cm (2.0 ft.)

The diagram shows the detection range of the sensors. Note that the sensors cannot detect objects that are extremely close to the vehicle.

The range of the sensors may change depending on the shape of the object, etc.

center sensor)

Multi-information display	Audio system screen	Head-up display
		

\*: Automatic buzzer mute function is enabled. (→P.250)

- Approximate distance to object: 100 cm (3.3 ft.) to 60 cm (2.0 ft.)\* (Front center sensor)

Multi-information display	Audio system screen	Head-up display
		

\*: Automatic buzzer mute function is enabled. (→P.250)

- Approximate distance to object: 60 cm (2.0 ft.) to 45 cm (1.5 ft.)\*

Multi-information display	Audio system screen	Head-up display
		

\*: Automatic buzzer mute function is enabled. (→P.250)

- Approximate distance to object: 45 cm (1.5 ft.) to 30 cm (1.0 ft.)\*

Multi-information display	Audio system screen	Head-up display
		

\*: Automatic buzzer mute function is enabled. (→P.250)

- Approximate distance to object: 30 cm (1.0 ft.) to 15 cm (0.5 ft.)\*<sup>1</sup>

Driving  
4

## 250 4-5. Using the driving support systems

Multi-information display <sup>*2</sup>	Audio system screen <sup>*2</sup>	Head-up display

<sup>\*1</sup>: Automatic buzzer mute function is disabled. (→P.250)

<sup>\*2</sup>: The distance segments will blink slowly.

- Approximate distance to object: Less than 15 cm (0.5 ft.)<sup>\*1</sup>

Multi-information display <sup>*2</sup>	Audio system screen <sup>*2</sup>	Head-up display

<sup>\*1</sup>: Automatic buzzer mute function is disabled. (→P.250)

<sup>\*2</sup>: The distance segments will blink rapidly.

### ■ Buzzer operation and distance to an object

A buzzer sounds when the sensors are operating.

- The buzzer beeps faster as the vehicle approaches an object. When the vehicle comes within approximately 30 cm (1.0 ft.) of the object, the buzzer sounds continuously.
- When 2 or more objects are detected simultaneously, the buzzer sounds for the nearest object. If one or more objects come within approximately 30 cm (1.0 ft.) of the vehicle, the buzzer will repeat a long tone, followed by fast beeps.

- Automatic buzzer mute function: After a buzzer begins sounding, if the distance between the vehicle and the detected object does not become shorter, the buzzer will be muted automatically. (However, if the distance between the vehicle and object is 30 cm (1.0 ft.) or less, this function will not operate.)

The buzzer sounds volume can be adjusted. (→P.248)

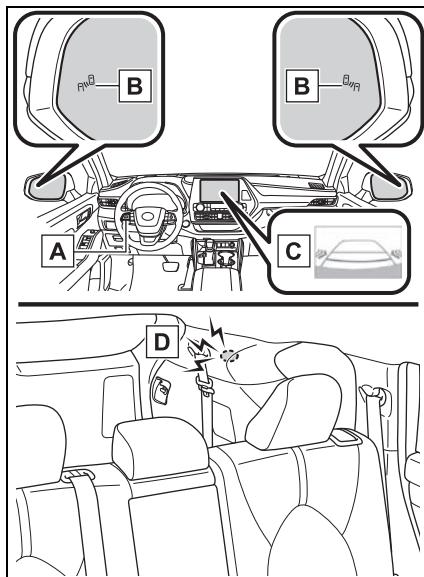
cle and the detected object does not become shorter, the buzzer will be muted automatically. (However, if the distance between the vehicle and object is 30 cm (1.0 ft.) or less, this function will not operate.)

### 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 screen

If a vehicle approaching from the right or left at the rear of the vehicle is detected, the RCTA icon (→P.253) for the detected side will be displayed on the audio system screen. 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.

#### Turning the RCTA function on/off

Use the meter control switches to enable/disable the RCTA function. (→P.86)

- 1 Press  $\wedge$  or  $\vee$  to select .
- 2 Press  $<$  or  $>$  to select "RCTA" and then press .

When the RCTA function is disabled, the RCTA OFF indicator (→P.66) illuminates on the multi-information display. (Each time the power switch is turned off then changed to ON, the RCTA function will be enabled automatically.)

4

Driving

### **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.

### **NOTICE**

#### ■ Before using the RCTA function

Do not place objects near the sensors.

#### ■ Rear side radar sensors

→P.240

### **Setting the buzzer volume**

#### ■ Adjusting the buzzer volume

The buzzer volume can be adjusted on the multi-information display.

Use the meter control switches to change settings. (→P.86)

- 1 Press  $\wedge$  or  $\vee$  to select .
- 2 Press  $<$  or  $>$  to select and "RCTA" then press and hold .
- 3 Select the volume and then press .

Each time the switch is pressed, the volume level will change between 1, 2, and 3.

#### ■ Muting a buzzer temporarily

A mute button will be displayed on the multi-information display when an object is detected. To mute the buzzer, press .

Mute will be canceled automatically in the following situations:

- When the shift lever is changed.
- When the vehicle speed exceeds a certain speed.
- When the operating function is temporarily canceled.
- When the operating function is disabled manually.
- When the power switch is turned off.

#### ■ 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

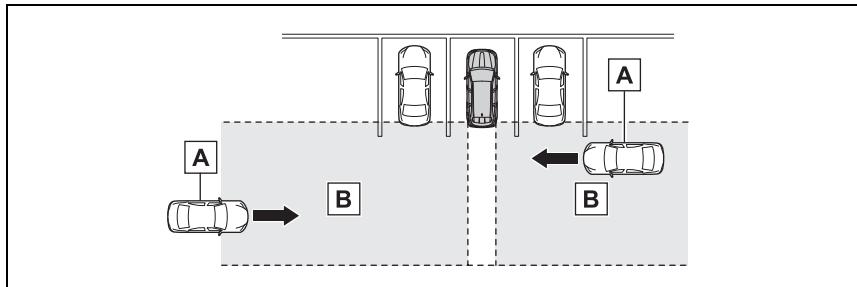
Water, ice, snow, mud, etc., may be attached to the rear bumper around the sensors. (→P.240) Removing the water, ice, snow, mud, etc., from the attached to the rear bumper around the sensors to return the function to normal.

Additionally, the function may not operate normally when driving in extremely hot or cold environments.

## 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.



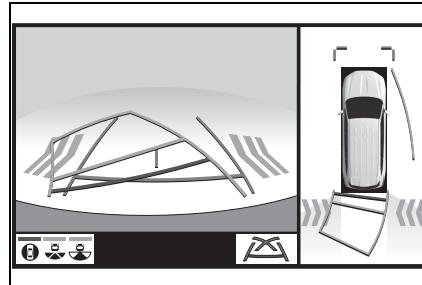
**A** Approaching vehicles

**B** Detection areas of approaching vehicles

### ■ RCTA icon display

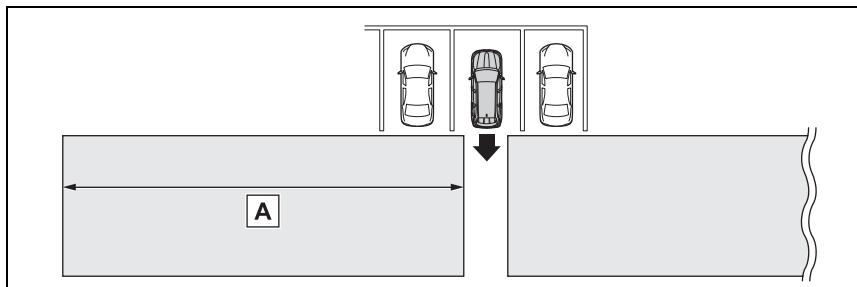
When a vehicle approaching from the right or left at the rear of the vehicle is detected, the following will be displayed on the audio system screen.

Example (Panoramic view 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.



## 254 4-5. Using the driving support systems

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 power 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

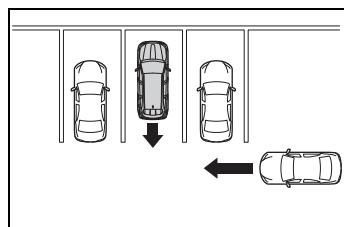
● Vehicles approaching from the parking spaces next to your vehicle \*

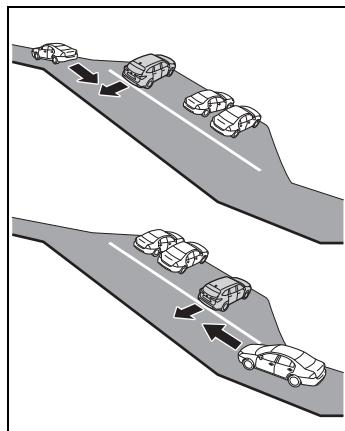
\*: Depending on the conditions, detection of a vehicle and/or object may occur.

### ■ Conditions under which the RCTA function may not function correctly

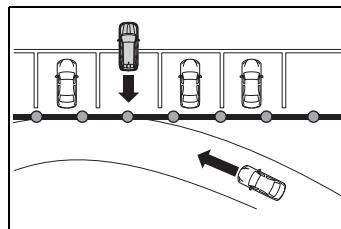
● The RCTA function may not detect vehicles correctly in the following situations:

- 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

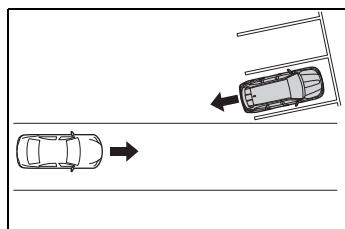




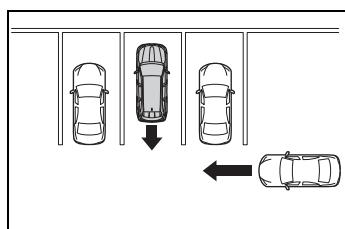
- When backing out of a shallow angle parking spot



- 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



- Immediately after the RCTA function is turned on
- Immediately after the hybrid system is started with the RCTA function on
- When the sensors cannot detect a vehicle due to obstructions

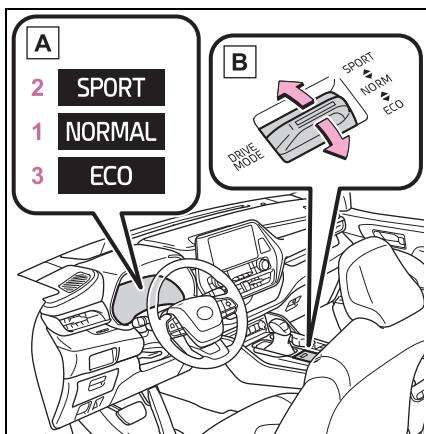


- Instances of the RCTA function unnecessarily detecting a vehicle and/or object may increase in the following situations:
  - When a vehicle passes by the side of your vehicle
  - When the parking space faces a street and vehicles are being driven on the street

### Driving mode select switch

**The driving modes can be selected to suit the driving and usage conditions.**

#### Selecting a driving mode



**A** Multi-information display

**B** Driving mode select switch

Operate the driving mode select switch forward or backward to select the desired driving mode on the multi-information display.

##### 1 Normal mode

Provides an optimal balance of fuel economy, quietness, and dynamic performance. Suitable for normal driving.

##### 2 Sport mode

Controls the hybrid system 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 Sport mode is selected, Sport mode indicator comes on.

##### 3 Eco drive mode

Helps the driver accelerate in an eco-friendly manner and improve fuel economy through moderate throttle characteristics and by controlling the operation of the air conditioning system (heating/cooling).

When Eco drive mode is selected, Eco drive mode indicator comes on.

#### Air conditioning system operation in Eco drive mode

In Eco drive mode, heating/cooling operations and the fan speed is controlled to improve fuel efficiency. Perform the following procedures to increase the air conditioning performance.

- Adjust the fan speed (→P.273)
- Cancel Eco drive mode

#### Cancelling a driving mode

- Sport mode is automatically canceled and the driving mode returns to normal mode when the power switch is off.
- Normal mode and Eco drive mode are not canceled until another driving mode is selected. (Even if the power switch is off, normal mode and Eco drive mode will not be automatically canceled.)

## Trail Mode (AWD vehicles)

**Trail Mode is a system that performs integrated control for the AWD, brake and drive force control systems to assist the drive power on bumpy roads, etc.**

### WARNING

#### Before using Trail Mode

Make sure to observe the following precautions. Failure to observe these precautions may result in an unexpected accident.

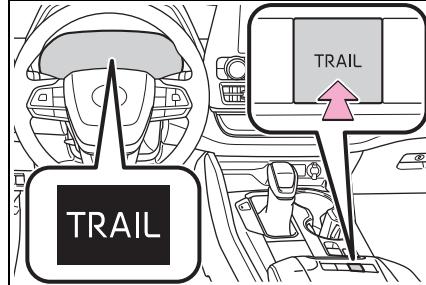
- Check that the Trail Mode indicator is illuminated before driving. Trail Mode will not operate when the indicator is off.
- Trail Mode is not intended to expand the limits of the vehicle. Thoroughly check the road conditions and drive with caution.
- Thoroughly check the road conditions before driving. As Trail Mode is suitable for driving on bumpy roads, there is a chance that Trail Mode may not be the most appropriate in terms of other road conditions.

## Turning Trail Mode on

Press the Trail Mode switch

When the switch is pressed, Trail Mode turns on and the Trail Mode indicator illuminates on the multi-information display.

When the switch is pressed again, the Trail Mode indicator turns off.



#### Trail Mode

- Trail Mode is intended for use when driving on bumpy roads. Do not turn the switch on in other situations.
- Trail Mode controls the vehicle so that it can use the maximum amount of drive force when driving on bumpy roads. As a result, fuel efficiency may diminish when compared to driving with Trail Mode off.
- If Trail Mode is continuously used for a long period of time, the load on related parts increases and the system may be unable to operate effectively.

4

Driving

#### When Trail Mode is canceled

In the following situations, Trail Mode is automatically canceled even if it is turned on.

- When the driving mode is changed (→P.256)
- When the power switch is turned off

#### During Trail Mode operation

The following types of situations may occur, but they are not malfunctions.

- Vibrations may be felt throughout the vehicle or steering wheel
- Operating noise may be heard from the engine compartment

#### When an inspection at your Toyota dealer is necessary

In the following situations, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer immediately.

## 258 4-5. Using the driving support systems

- When the slip indicator illuminates while Trail Mode is on
- When the Trail Mode indicator does not illuminate even though the Trail Mode switch is pressed

### 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

##### ■ ECB (Electronically Controlled Brake System)

The electronically controlled system generates braking force corresponding to the brake operation

##### ■ ABS (Anti-lock Brake System)

Helps to prevent wheel lock when the brakes are applied suddenly, or if the brakes are applied while driving on a slippery road surface

##### ■ Brake assist

Generates an increased level of braking force after the brake pedal is depressed when the system detects a panic stop situation

##### ■ VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces

Provides cooperative control of the ABS, TRC, VSC and EPS.

Helps to maintain directional stabil-

ity 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

#### ■ **E-Four**

Electronic On-Demand AWD system. Automatically switches from front-wheel drive to all-wheel drive (AWD) according to the driving conditions, helping to ensure reliable handling and stability. Examples of conditions where the system will switch to AWD are when cornering, going uphill, starting off or accelerating, and when the road surface is slippery due to snow, rain, etc.

#### ■ **VDIM (Vehicle Dynamics Integrated Management)**

Provides integrated control of the ABS, brake assist, TRC, VSC, hill-start assist control and EPS systems

Helps to maintain vehicle stability when swerving on slippery road surfaces by controlling the brakes, hybrid system output and steering assist.

#### ■ **Emergency brake signal**

When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehicle behind.

#### ■ **The Secondary Collision Brake (if equipped)**

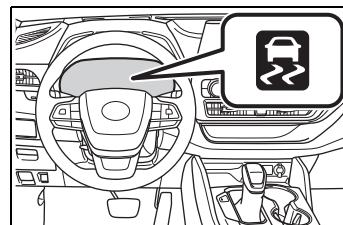
When the SRS airbag sensor detects a collision and the system operates, the brakes and brake lights are automatically controlled to reduce the vehicle speed and help reduce the possibility of further damage due to a secondary collision.

#### ■ **When the TRC/VSC/ABS systems are operating**

The slip indicator light will flash while the TRC/VSC/ABS systems are operating.

4

Driving

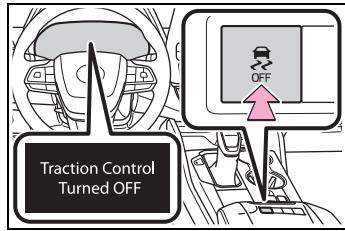


### ■ Disabling the TRC system

If the vehicle gets stuck in mud, dirt or snow, the TRC system may reduce power from the hybrid system to the wheels. Pressing the  switch 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  switch.

The "Traction Control Turned OFF" will be shown on the multi-information display.

Press the  switch 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 the  switch 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 the  switch again to turn the system back on.

\* : On vehicles with PCS (Pre-Collision System), PCS will also be disabled (only Pre-Collision warning is available). The PCS warning light will come on and a message will be displayed on the multi-information display. (→P.192)

### ■ When the message is displayed on the multi-information display showing that TRC has been disabled even if the switch has not been pressed

TRC is temporary deactivated. If the information continues to show, contact your Toyota dealer.

### ■ Operating conditions of hill-start assist control

When the following four conditions are met, the hill-start assist control will operate:

- The shift lever is in a position other than P or N (when starting off forward/backward on an upward incline)
- The vehicle is stopped
- The accelerator pedal is not depressed
- The parking brake is not engaged

### ■ Automatic system cancelation of hill-start assist control

The hill-start assist control will turn off in any of the following situations:

- The shift lever is shifted to P or N
- The accelerator pedal is depressed
- The parking brake is engaged
- 2 seconds at maximum elapsed after the brake pedal is released

### ■ Sounds and vibrations caused by the ABS, brake assist, VSC, TRC and hill-start assist control systems

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the hybrid system is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in any of these systems.
- Any of the following conditions may occur when the above systems are operating. None of these indicates that a malfunction has occurred.
  - Vibrations may be felt through the

vehicle body and steering.

- A motor sound may be heard also after the vehicle comes to a stop.

#### **■ ECB operating sound**

ECB operating sound may be heard in the following cases, but it does not indicate that a malfunction has occurred.

- Operating sound heard from the engine compartment when the brake pedal is operated.
- Motor sound of the brake system heard from the front part of the vehicle when the driver's door is opened.
- Operating sound heard from the engine compartment when one or two minutes passed after the stop of the hybrid system.

#### **■ Active Cornering Assist operation sounds and vibrations**

When 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.

#### **■ Reduced effectiveness of the EPS system**

The effectiveness of the EPS system is reduced to prevent the system from overheating when there is frequent steering input over an extended period of time. The steering wheel may feel heavy as a result. Should this occur, refrain from excessive steering input or stop the vehicle and turn the hybrid system off. The EPS system should return to normal within 10 minutes.

#### **■ Automatic reactivation of TRC and VSC systems**

After turning the TRC and VSC systems off, the systems will be automatically re-enabled in the following situations:

- When the power switch is turned OFF
- If only the TRC system is turned off,

the TRC will turn on when vehicle speed increases

If both the TRC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases.

#### **■ Operating conditions of Active Cornering Assist**

The system operates when the following occurs.

- TRC/VSC can operate
- The driver is attempting to accelerate while turning
- The system detects that the vehicle is drifting to the outer side
- The brake pedal is released

#### **■ 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 it is not a sudden braking operation

#### **■ Secondary Collision Brake operating conditions (if equipped)**

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)

## 262 4-5. Using the driving support systems

- Components are damaged
- **Secondary Collision Brake automatic cancellation (if equipped)**  
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 potholes or uneven surfaces

### ■ **TRC/VSC may not operate effectively when**

Directional control and power may not be achievable while driving on slippery road surfaces, even if the TRC/VSC system is operating. Drive the vehicle carefully in conditions where stability and power may be lost.

### ■ **Active Cornering Assist does not operate effectively when**

- Do not overly rely on Active Cornering Assist. Active Cornering Assist may not operate effectively when accelerating down slopes or driving on slippery road surfaces.
- When Active Cornering Assist frequently operates, Active Cornering Assist may temporarily stop operating to ensure proper operation of the brakes, TRC and VSC.

### ■ **Hill-start assist control does not operate effectively when**

- Do not overly rely on hill-start assist control. Hill-start assist control may not operate effectively on steep inclines and roads covered with ice.
- Unlike the parking brake, hill-start assist control is not intended to hold the vehicle stationary for an extended period of time. Do not attempt to use hill-start assist control to hold the vehicle on an incline, as doing so may lead to an accident.

### ■ **When the TRC/ABS/VSC is activated**

The slip indicator light flashes. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator light flashes.

**⚠ WARNING****■ When the TRC/VSC systems are turned off**

Be especially careful and drive at a speed appropriate to the road conditions. As these are the systems to help ensure vehicle stability and driving force, do not turn the TRC/VSC systems off unless necessary.

**■ Replacing tires**

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.

The ABS, TRC and VSC systems will not function correctly if different tires are installed on the vehicle.

Contact your Toyota dealer for further information when replacing tires or wheels.

**■ Handling of tires and the suspension**

Using tires with any kind of problem or modifying the suspension will affect the driving assist systems, and may cause a system to malfunction.

**■ Secondary Collision Brake (if equipped)**

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.

### Hybrid vehicle driving tips

**For economical and ecological driving, pay attention to the following points:**

#### Using Eco drive mode

When using Eco drive mode, the torque corresponding to the accelerator pedal depression amount can be generated more smoothly than it is in normal conditions. In addition, the operation of the air conditioning system (heating/cooling) will be minimized, improving the fuel economy. (→P.256)

#### Use of Hybrid System Indicator

Eco-friendly driving is possible by keeping the Hybrid System Indicator within the Eco area. (→P.70)

#### Shift lever operation

Shift the shift lever to D when stopped at a traffic light, or driving in heavy traffic, etc. Shift the shift lever to P when parking. When using N, there is no positive effect on fuel consumption. In N, the gasoline engine operates but electricity cannot be generated. Also, when using the air conditioning system, etc., the hybrid battery (traction battery) power is consumed.

### Accelerator pedal/brake pedal operation

- Drive your vehicle smoothly. Avoid abrupt acceleration and deceleration. Gradual acceleration and deceleration will make more effective use of the electric motor (traction motor) without having to use gasoline engine power.
- Avoid repeated acceleration. Repeated acceleration consumes hybrid battery (traction battery) power, resulting in poor fuel consumption. Battery power can be restored by driving with the accelerator pedal slightly released.

#### When braking

Make sure to operate the brakes gently and in a timely manner. A greater amount of electrical energy can be regenerated when slowing down.

#### Delays

Repeated acceleration and deceleration, as well as long waits at traffic lights, will lead to bad fuel economy. Check traffic reports before leaving and avoid delays as much as possible. When driving in a traffic jam, gently release the brake pedal to allow the vehicle to move forward slightly while avoid-

ing overuse of the accelerator pedal. Doing so can help control excessive gasoline consumption.

### Highway driving

Control and maintain the vehicle at a constant speed. Before stopping at a toll booth or similar, allow plenty of time to release the accelerator and gently apply the brakes. A greater amount of electrical energy can be regenerated when slowing down.

### Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive gasoline consumption.

In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.

In winter: Because the gasoline engine will not automatically cut out until it and the interior of the vehicle are warm, it will consume fuel. Also, fuel consumption can be improved by avoiding overuse of the heater.

### Checking tire inflation pressure

Make sure to check the tire inflation pressure frequently. Improper tire

inflation pressure can cause poor fuel economy.

Also, as snow tires can cause large amounts of friction, their use on dry roads can lead to poor fuel economy. Use tires that are appropriate for the season.

### Luggage

Carrying heavy luggage will lead to poor fuel economy. Avoid carrying unnecessary luggage. Installing a large roof rack will also cause poor fuel economy.

### Warming up before driving

Since the gasoline engine starts up and cuts out automatically when cold, warming up the engine is unnecessary. Moreover, frequently driving short distances will cause the engine to repeatedly warm up, which can lead to excess fuel consumption.

### Winter driving tips

**Carry out the necessary preparations and inspections before driving the vehicle in winter. Always drive the vehicle in a manner appropriate to the prevailing weather conditions.**

### Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
  - Engine oil
  - Engine/power control unit coolant
  - Washer fluid
- Have a service technician inspect the condition of the 12-volt battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the front tires.

Ensure that all tires are the same size and brand, and that chains match the size of the tires.

#### WARNING

##### ■ Driving with snow tires

Observe the following precautions to reduce the risk of accidents. Failure to do so may result in a loss of vehicle control and cause death or serious injury.

- Use tires of the specified size.
- Maintain the recommended level of air pressure.

- Do not drive at speeds in excess of the speed limit or the speed limit specified for the snow tires being used.

- Use snow tires on all, not just some wheels.

##### ■ Driving with tire chains

Observe the following precautions to reduce the risk of accidents. Failure to do so may result in the vehicle being unable to be driven safely, and may cause death or serious injury.

- Do not drive in excess of the speed limit specified for the tire chains being used, or 50 km/h (30 mph), whichever is lower.
- Avoid driving on bumpy road surfaces or over potholes.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.
- Do not use the LTA (Lane Tracing Assist) system. (if equipped)
- Do not use the LDA (Lane Departure Alert with steering control) system. (if equipped)

#### NOTICE

##### ■ Repairing or replacing snow tires

Request repairs or replacement of snow tires from Toyota dealers or legitimate tire retailers.

This is because the removal and attachment of snow tires affects the operation of the tire pressure warning valves and transmitters.

### Before driving the vehicle

Perform the following according to the driving conditions:

- Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.
- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- Check for and remove any excess ice or snow that may have accumulated on the exterior lights, vehicle's roof, chassis, around the tires or on the brakes.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

### When driving the vehicle

Accelerate the vehicle slowly, keep a safe distance between you and the vehicle ahead, and drive at a reduced speed suitable to road conditions.

### When parking the vehicle

- Park the vehicle and move the shift lever to P without setting the parking brake. The parking brake may freeze up, preventing it from being released. If the vehicle is

parked without setting the parking brake, make sure to block the wheels. Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an accident.

When the parking brake is in automatic mode, release the parking brake after shifting the shift lever to P. (→P.169)

- 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.

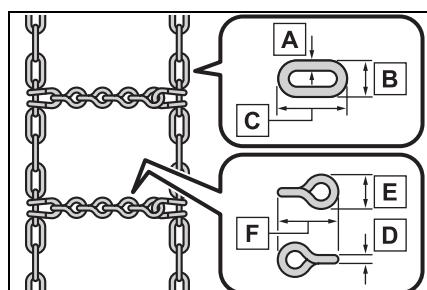
4

Driving

### 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)
- 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 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.



#### NOTICE

##### Fitting tire chains

The tire pressure warning valves and transmitters may not function correctly when tire chains are fitted.

### Utility vehicle precautions

This vehicle belongs to the utility vehicle class, which has higher ground clearance and narrower tread in relation to the height of its center of gravity.

### Utility vehicle feature

- Specific design characteristics give it a higher center of gravity than ordinary passenger cars. This vehicle design feature causes this type of vehicle to be more likely to rollover. And, utility vehicles have a significantly higher rollover rate than other types of vehicles.
- An advantage of the higher ground clearance is a better view of the road allowing you to anticipate problems.
- It is not designed for cornering at the same speeds as ordinary passenger cars any more than low-slung sports cars are designed to perform satisfactorily under off-road conditions. Therefore, sharp turns at excessive speeds may cause the vehicle to rollover.

### **WARNING**

#### ■ Utility vehicle precautions

Always observe the following precautions to minimize the risk of death, serious injury or damage to your vehicle:

- In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seat belt. Therefore, the driver and all passengers should always fasten their seat belts.
- Avoid sharp turns or abrupt maneuvers, if at all possible. Failure to operate this vehicle correctly may result in loss of control or vehicle rollover causing death or serious injury.
- Loading cargo on the roof luggage carrier (if equipped) will make the center of the vehicle gravity higher. Avoid high speeds, sudden starts, sharp turns, sudden braking or abrupt maneuvers, otherwise it may result in loss of control or vehicle rollover due to failure to operate this vehicle correctly.
- Always slow down in gusty cross-winds. Because of its profile and higher center of gravity, your vehicle is more sensitive to side winds than an ordinary passenger car. Slowing down will allow you to have better control.
- Do not drive horizontally across steep slopes. Driving straight up or straight down is preferred. Your vehicle (or any similar off-road vehicle) can tip over sideways much more easily than forward or backward.

### **Off-road driving**

When driving your vehicle off-road, please observe the following pre-

cautions to ensure your driving enjoyment and to help prevent the closure of areas to off-road vehicles:

- Drive your vehicle only in areas where off-road vehicles are permitted to travel.
- Respect private property. Get owner's permission before entering private property.
- Do not enter areas that are closed. Honor gates, barriers and signs that restrict travel.
- Stay on established roads. When conditions are wet, driving techniques should be changed or travel delayed to prevent damage to roads.

### **WARNING**

#### ■ Off-road driving precautions

Always observe the following precautions to minimize the risk of death, serious injury or damage to your vehicle:

- Drive carefully when off the road. Do not take unnecessary risks by driving in dangerous places.
- Do not grip the steering wheel spokes when driving off-road. A bad bump could jerk the wheel and injure your hands. Keep both hands and especially your thumbs on the outside of the rim.
- Always check your brakes for effectiveness immediately after driving in sand, mud, water or snow.

 **WARNING**

- After driving through tall grass, mud, rock, sand, rivers, etc., check that there is no grass, bush, paper, rags, stone, sand, etc. adhering or trapped on the underbody. Clear off any such matter from the underbody. If the vehicle is used with these materials trapped or adhering to the underbody, a breakdown or fire could occur.
- When driving off-road or in rugged terrain, do not drive at excessive speeds, jump, make sharp turns, strike objects, etc. This may cause loss of control or vehicle rollover causing death or serious injury. You are also risking expensive damage to your vehicle's suspension and chassis.

 **When you drive through water**

If driving through water, such as when crossing shallow streams, first check the depth of the water and the bottom of the riverbed for firmness. Drive slowly and avoid deep water.

 **Inspection after off-road driving**

- Sand and mud that has accumulated in brake drums and around brake discs may affect braking efficiency and may damage brake system components.
- Always perform a maintenance inspection after each day of off-road driving that has taken you through rough terrain, sand, mud, or water.

 **NOTICE**

 **To prevent water damage**

Take all necessary safety measures to ensure that water damage to the hybrid battery (traction battery), hybrid system or other components does not occur.

- Water entering the engine compartment may cause severe damage to the hybrid system. Water entering the interior may cause the hybrid battery (traction battery) stowed under the rear seats to short circuit.
- Water entering the hybrid transmission will cause deterioration in transmission quality. The malfunction indicator may come on, and the vehicle may not be drivable.
- Water can wash the grease from wheel bearings, causing rusting and premature failure, and may also enter the hybrid transmission case, reducing the gear oil's lubricating qualities.

**5-1. Using the air conditioning system and defogger**

Front automatic air conditioning system .....	272
Rear automatic air conditioning system .....	278
Seat heaters/seat ventilators .....	281

**5-2. Using the interior lights**

Interior lights list.....	283
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**5-3. Using the storage features**

List of storage features .....	286
Luggage compartment features .....	290

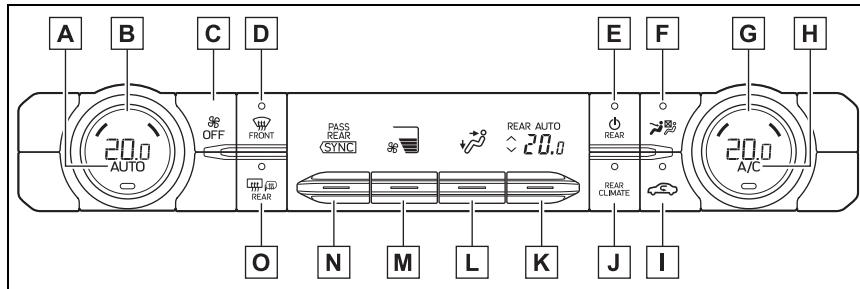
**5-4. Using the other interior features**

Other interior features.....	294
Compass .....	298

### Front automatic air conditioning system

Air outlets and fan speed are automatically adjusted according to the temperature setting.

### Air conditioning controls



- [A] Automatic mode switch (→P.275)
  - [B] Left-hand side temperature control switch
  - [C] “OFF” switch
  - [D] Windshield defogger switch
  - [E] Rear air conditioning system on/off switch (→P.279)
  - [F] S-FLOW mode switch (→P.276)
  - [G] Right-hand side temperature control switch
  - [H] “A/C” switch
  - [I] Outside/recirculated air mode switch
  - [J] “REAR CLIMATE” switch (→P.279)
  - [K] Rear seat temperature control knob (→P.279)
  - [L] Airflow mode control knob
  - [M] Fan speed control knob
  - [N] “SYNC” control knob
  - [O] Rear window defogger and outside rear view mirror defoggers switch
- **Adjusting the temperature setting**
- Turn driver's side temperature control switch clockwise to increase the temperature and turn the switch counterclockwise to decrease the

temperature.

If "A/C" switch is not pressed, the system will blow ambient temperature air or heated air.

The temperature for the driver, front passenger and rear seats can be adjusted separately when:

- "SYNC" control knob is moved upward or downward. (The "PASS" and "REAR" displays disappear)
- The passenger's side temperature control switch is turned. (The "PASS" display disappears)
- The rear seat temperature control knob is moved upward or downward. (The "REAR" display disappears)

To the air conditioning system switches between individual and simultaneous modes move "SYNC" control knob upward or downward.

#### ■ Setting the fan speed

To set the fan speed, move the fan speed control knob upward or downward.

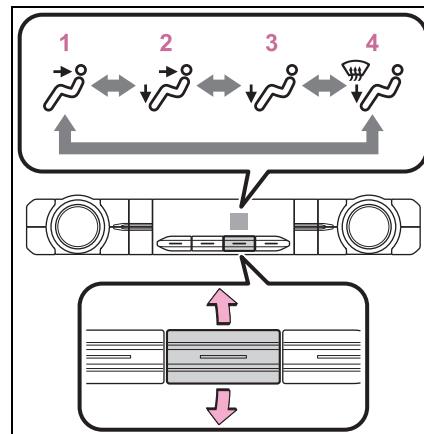
Upward: Increases the fan speed

Downward: Decreases the fan speed

Pressing the "OFF" switch turns off the fan.

#### ■ Change the airflow mode

To change the airflow mode, move the airflow mode control knob upward or downward.



- 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.

5

Interior features

## 274 5-1. Using the air conditioning system and defogger

Set the outside/recirculated air mode switch to outside air mode if the recirculated air mode is used.

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 raindrops, dew and frost from the outside rear view mirrors.

Press the rear window defogger and outside rear view mirror defoggers switch.

When the rear window defogger and outside rear view mirror defoggers switch is on, the indicator illuminates on the rear window defogger and outside rear view mirror defoggers switch.

The defoggers will automatically turn off after a while.

### ■ 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.

### ■ Operation of the air conditioning system in Eco drive mode

- In Eco drive mode, the air conditioning system is controlled as follows to prioritize fuel efficiency:
  - Engine speed and compressor operation controlled to restrict heating/cooling capacity
  - Fan speed restricted when automatic mode is selected
- To improve air conditioning performance, perform the following operations:
  - Adjust the fan speed
  - Turn off Eco drive mode (→P.256)

### ■ When the outside temperature is low

The dehumidification function may not operate even when the "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.

#### ■ Air conditioning filter

→P.340

#### ■ Customization

Some functions can be customized.  
(→P.418)

#### **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 rear view mirror surfaces when the outside rear view mirror defoggers are on.

#### **NOTICE**

##### ■ To prevent 12-volt battery discharge

Do not leave the air conditioning system on longer than necessary when the hybrid system is off.

#### **Using automatic mode**

- Press the automatic mode switch.

The dehumidification function begins to operate. Air outlets and fan speed are automatically adjusted according to the temperature setting and humidity.

- Adjust the temperature setting.

- 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 is pressed.

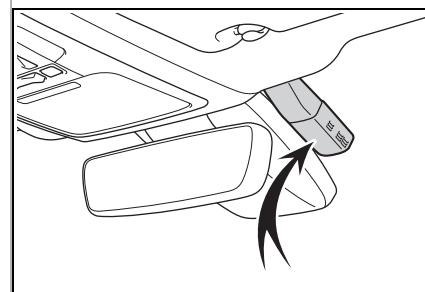
#### **NOTICE**

##### ■ Humidity sensor

In order to detect fog on the windshield, a sensor which monitors the temperature of the windshield, the surround humidity, etc. is installed.

Follow these points to avoid damaging the sensor:

- Do not disassemble the sensor
- Do not spray glass cleaner on the sensor or subject it to strong impacts
- Do not stick anything on the sensor



### Using front seat concentrated airflow mode (S-FLOW)

Directing airflow to the front seats only and to all seats can be switched via switch operation. When the front passenger seat is not occupied, airflow may switch to only the driver's seat. Unnecessary air conditioning is suppressed, contributing to increased fuel efficiency.

Press the S-FLOW mode switch on the air conditioning operation panel and switch the airflow.

- Indicator illuminated: Airflow to the front seats only
- Indicator off: Airflow to all the seats

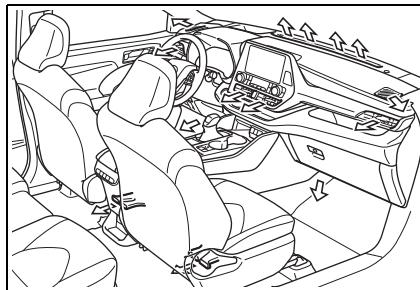
#### Operation of airflow control

Even if the function is switched to directing airflow to only the front seats, when a rear seat is occupied, it may automatically direct airflow to all seats.

### Air outlet layout and operations

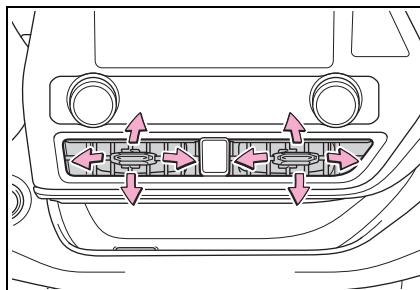
#### Location of air outlets

The air outlets and air volume change according to the selected air flow mode.



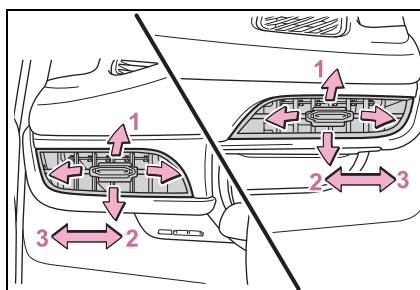
#### Adjusting the air flow direction and opening/closing the air outlets

##### Front center outlets



Direct air flow to the left or right, up or down

##### Front side outlets



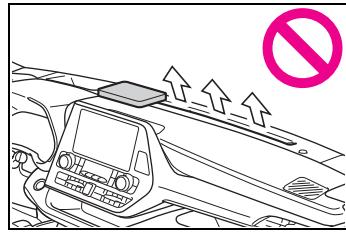
**1** Direct air flow to the left or right, up or down

**2** Open the vent

**3** Close the vent

**⚠ WARNING****■ To not interrupt the windshield defogger from operating**

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.



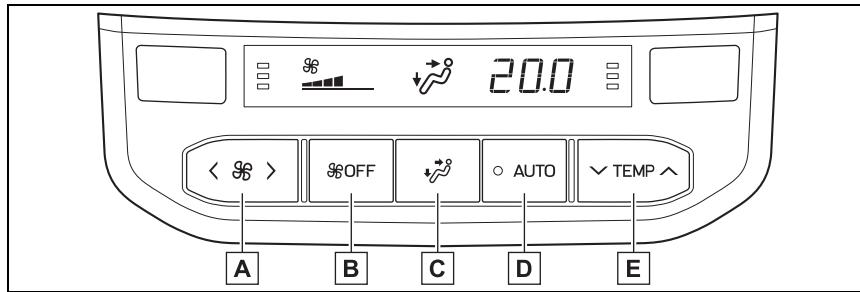
### Rear automatic air conditioning system

The air outlets and fan speed are automatically adjusted according to the temperature setting.

The rear air conditioning system can be operated using the front air conditioning control panel and rear air conditioning control panel. Press the “REAR CLIMATE” switch on the front air conditioing control panel to change the rear air conditioning control mode.

### Rear air conditioning control operation

#### ■ Rear air conditioning control panel



#### A Adjust the rear seats fan speed setting

Press to increase the fan speed and to decrease the fan speed.

#### B “OFF” switch

Pressing the “OFF” switch turns off the fan.

#### C Air flow mode control switch

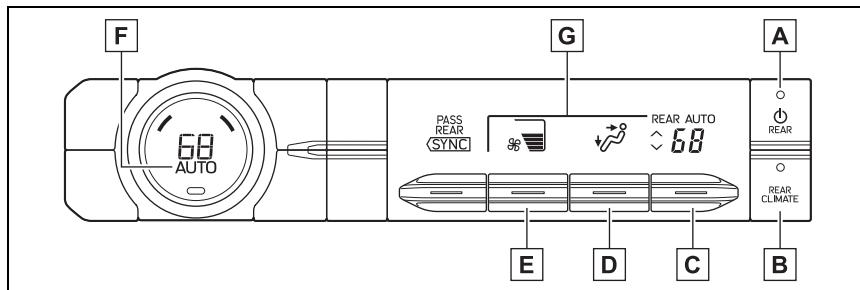
#### D Automatic mode switch

When the function is on, the indicator illuminates on the control screen.

#### E Adjust the rear seats temperature setting

Press to increase the temperature and to decrease the temperature.

### ■ Front air conditioning control panel



**A** Rear air conditioning system on/off switch

**B** "REAR CLIMATE" switch

The mode switches between the rear air conditioning control mode and front air conditioning control mode each time the "REAR CLIMATE" switch is pressed.

**C** Rear seat temperature control knob

To set temperature, move the rear seat temperature control knob upward or downward.

Upward: Increases the temperature

Downward: Decreases the temperature

**D** Airflow mode control knob

The airflow mode control knob can be operated while the rear air conditioning control indicator is appeared.

**E** Adjust the rear seats fan speed setting

Rear seats fan speed setting can be adjusted while the rear air conditioning control indicator is appeared.

To set the fan speed, move the fan speed control knob upward or downward.

Upward: Increases the fan speed

Downward: Decreases the fan speed

**F** Automatic mode switch (→P.280)

The automatic mode switch can be operated when the rear air conditioning control indicator is displayed.

**G** Rear air conditioning control indicator

When the "REAR CLIMATE" switch is pressed, the rear air conditioning control indicator is displayed for several seconds.

### Change the airflow mode

### panel

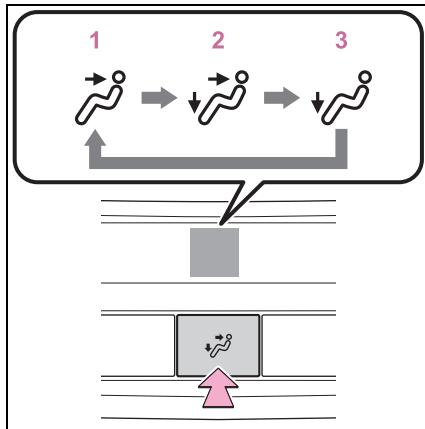
To change the airflow mode, press

### ■ Rear air conditioning control

## 280 5-1. Using the air conditioning system and defogger

the airflow mode control switch.

The air outlets used are switched each time the switch is pressed.



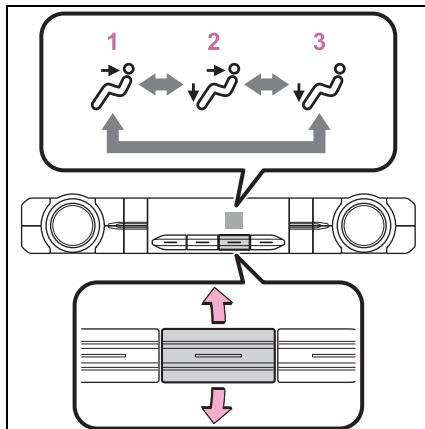
**1** Upper body

**2** Upper body and feet

**3** Feet

### Front air conditioning control panel

To change the airflow mode, move the airflow mode control knob upward or downward.



**1** Upper body

**2** Upper body and feet

**3** Feet

### 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

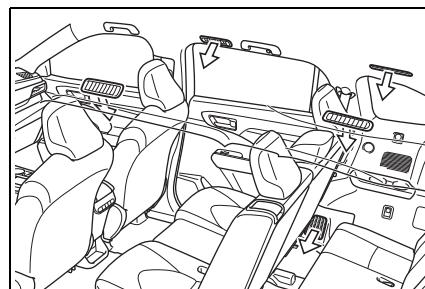
Fan speed is adjusted automatically according to the temperature setting and the ambient conditions.

Therefore, the fan may stop for a while until warm or cool air is ready to flow immediately after the automatic mode switch is pressed.

### Air outlets

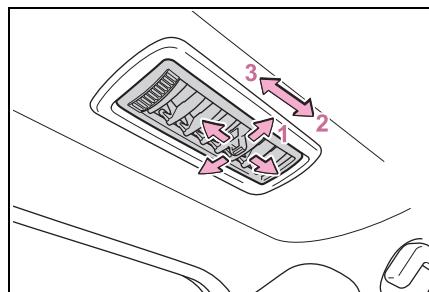
#### Location of air outlets

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**

Adjusting the position of and opening and closing the air outlets



- 1 Direct air flow to the left or right, up or down
- 2 Open the vent
- 3 Close the vent

**! NOTICE**

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

Do not leave the air conditioning system on longer than necessary when the hybrid system is off.

**Seat heaters<sup>\*</sup>/seat ventilators<sup>\*</sup>**

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

● Seat heaters

Warm up the seat upholstery

● Seat ventilators

Maintain good ventilation using a fan built into the seat

**! WARNING**

**■ To prevent minor burn injuries**

Care should be taken if anyone in the following categories comes in contact with the steering wheel or 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.)

**5**

Interior features

**! 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 12-volt battery discharge**

Do not use the functions when the hybrid system is off.

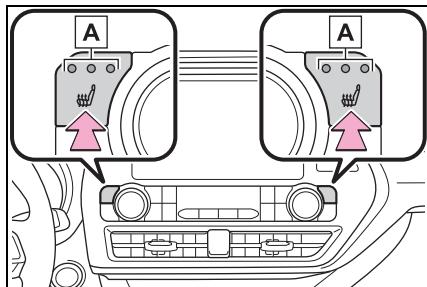
### Seat heaters

#### Front

Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit)→Mid (2 segments lit)→Lo (1 segment lit)→Off

The level indicator (amber) **A** lights up during operation.

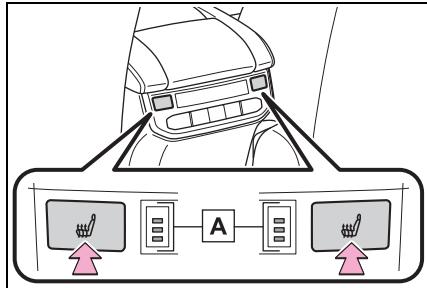


#### Rear

Each time the switch is pressed, the operation condition changes as follows.

Hi (3 segments lit)→Mid (2 segments lit)→Lo (1 segment lit)→Off

The level indicator (amber) **A** lights up during operation.



#### Operation condition

The power switch is in ON.

### WARNING

#### To prevent overheating and minor burn injuries

Observe the following precautions when using the seat heaters.

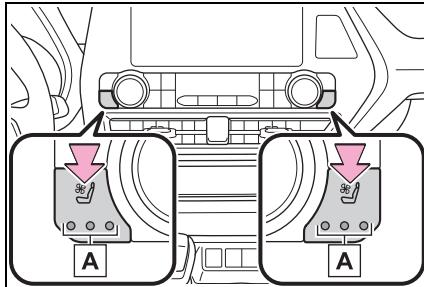
- Do not cover the seat with a blanket or cushion when using the seat heater.
- Do not use seat heater more than necessary.

### Seat ventilators

Each time the switch is pressed, the operation condition changes as follows.

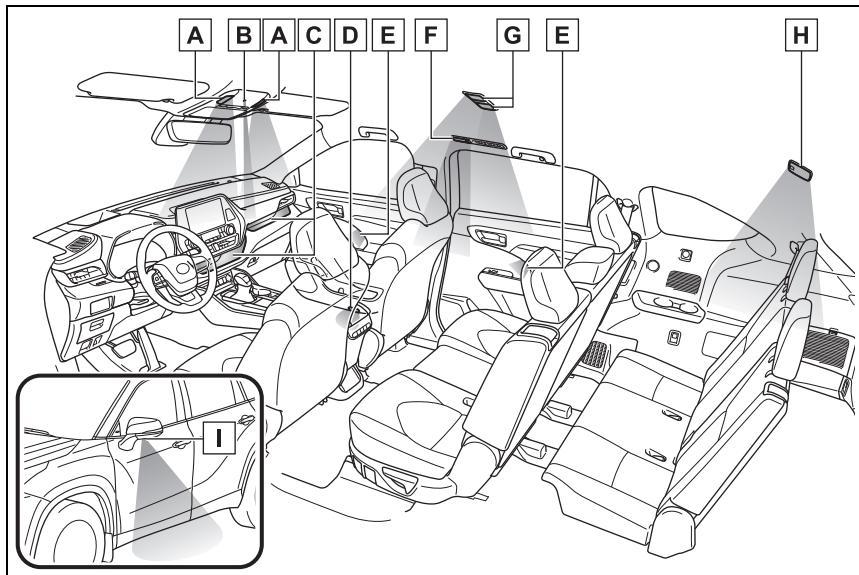
Hi (3 segments lit)→Mid (2 segments lit)→Lo (1 segment lit)→Off

The level indicator (green) **A** lights up during operation.



#### Operation condition

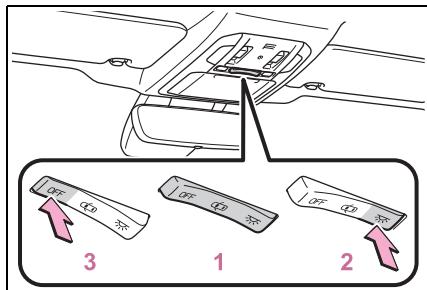
The power switch is in ON.

**Interior lights list****Location of the interior lights**

- A** Front personal lights (→P.284)  
Front interior lights (→P.284)
- B** Shift lever light
- C** Open tray lights (if equipped)
- D** Door courtesy lights
- E** Ambient lights (if equipped)
- F** Rear personal lights (if equipped) (→P.284)
- G** Rear personal lights (if equipped) (→P.284)
- H** Rear interior light (→P.284)
- I** Outer foot lights (if equipped)

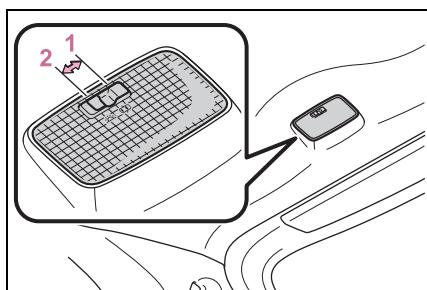
### Operating the interior lights

#### ■ Front interior lights

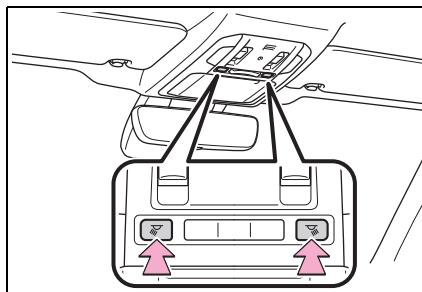


- 1 Turns the lights on/off linked to door positions
- 2 Turns the lights on
- 3 Turns the lights off

#### ■ Rear interior lights



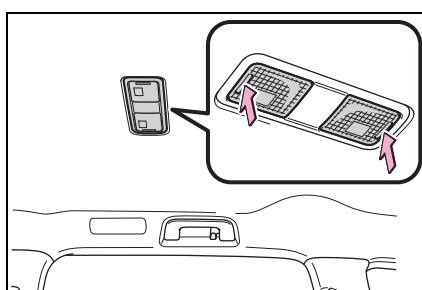
- 1 Turns the door position on  
The rear interior light turns on/off together with the front interior lights.  
When a door is opened while the front and rear interior light door position is on, the lights turn on.
- 2 Turns the light on



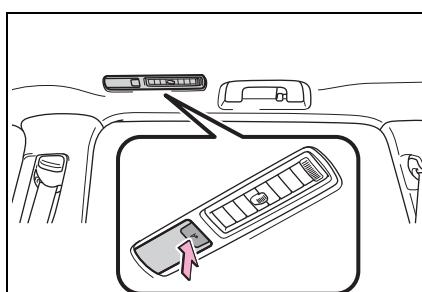
#### ■ Rear personal lights

Turns the lights on/off

- ▶ Vehicles without panoramic moon roof



- ▶ Vehicles with panoramic moon roof



#### ■ Illuminated entry system

The lights automatically turn on/off according to the power switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are opened/closed.

### Operating the personal lights

#### ■ Front personal lights

Turns the lights on/off

**■ To prevent the 12-volt battery from being discharged**

If the interior lights remain on when the power 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 20minutes.

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.418)

5

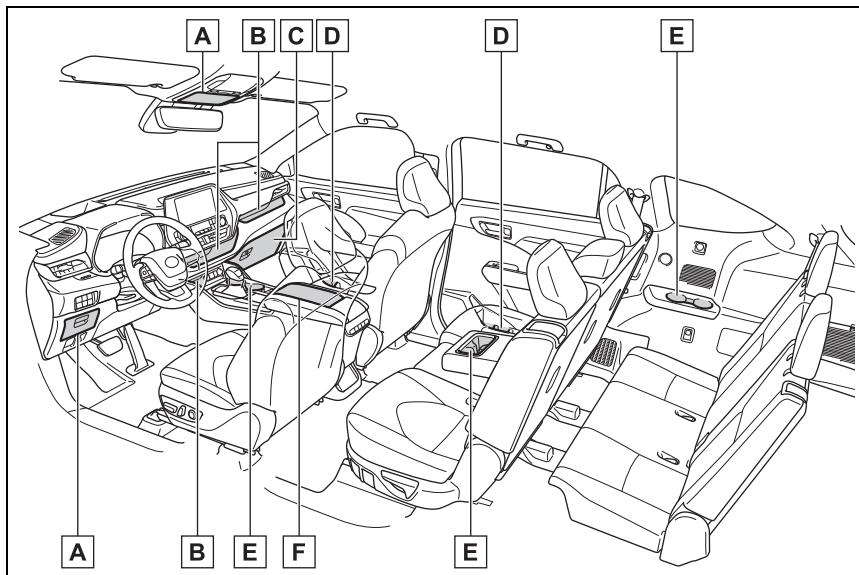
Interior features

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

Do not leave the lights on longer than necessary when the hybrid system is off.

**List of storage features**

**Location of the storage features**



- A** Auxiliary boxes (if equipped) (→P.288)
- B** Open tray (→P.289)
- C** Glove box (→P.287)
- D** Bottle holders (→P.288)
- E** Cup holders (→P.287)
- F** Console box (→P.287)

**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.

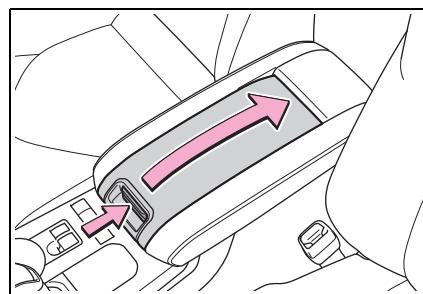
● Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.

### **⚠ WARNING**

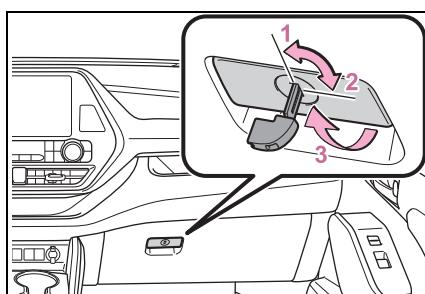
#### **■ When storage compartments are not in use**

When driving or when the storage compartments are not in use, keep the lids closed.

In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by an open lid or the items stored inside.



### **Glove box**



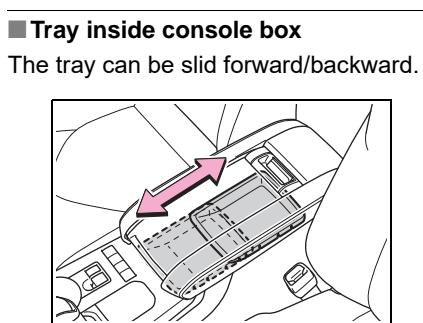
- 1** Unlock with the mechanical key
- 2** Lock with the mechanical key
- 3** Open (pull lever)

#### **■ Glove box light**

The glove box light turns on when the tail lights are on.

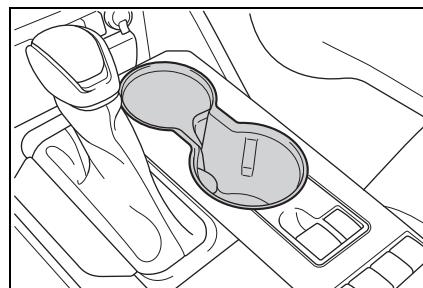
### **Console box**

Push the tab and slide the console box lid.



### **Cup holders**

- ▶ Front seats



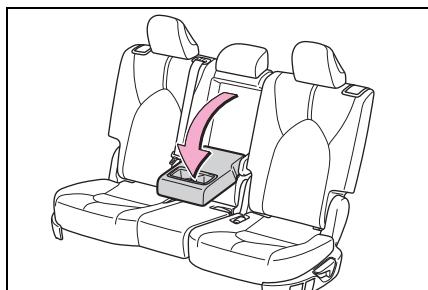
**5**

Interior features

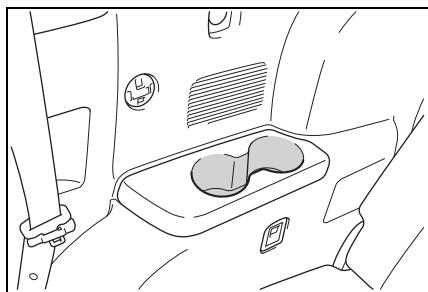
## 288 5-3. Using the storage features

### ► Second seats

Pull the armrest down.

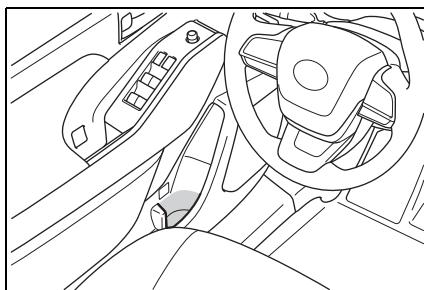


### ► Third seats

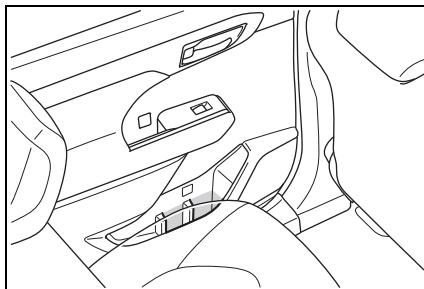


### Bottle holders

#### ► Front doors



#### ► Rear doors



### ⚠ WARNING

#### ■ Items unsuitable for the cup holder

Do not place anything other than cups, aluminum cans, or water bottles in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking, possibly causing injury. If possible, cover hot drinks to prevent burns.

### ■ Bottle holders

- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.

### ⚠ NOTICE

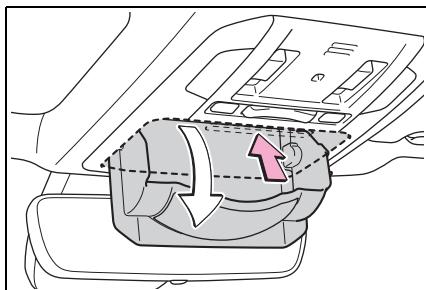
#### ■ Items unsuitable for the bottle holders

Do not place open bottle, glass or paper cups containing liquid in the bottle holders. Otherwise, contained liquid may be spilled. Glass cups may break if used in the bottle holders.

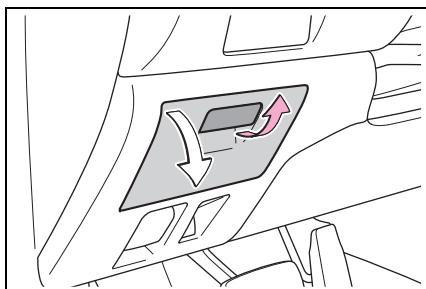
### Auxiliary boxes

#### ► Overhead

Push the lid.

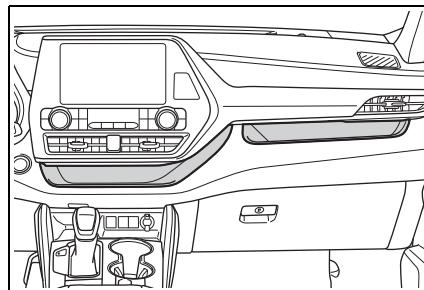


► Driver's side instrument panel  
Pull the tab to open.

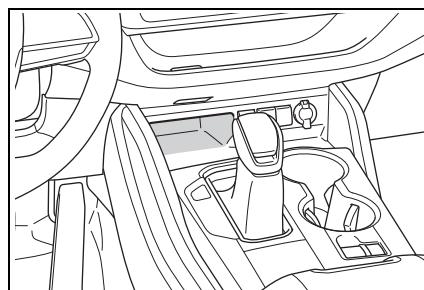


### Open tray

► Instrument panel



► Front of console



#### **WARNING**

##### ■ Items unsuitable for storing (Overhead)

Do not store items heavier than 200 g (0.44 lb.).

Doing so may cause the auxiliary box to open and the items inside may fall out, resulting in an accident.

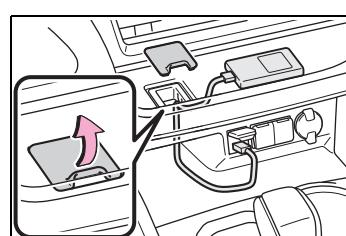
##### ■ Caution while driving (Driver's side instrument panel)

Keep the auxiliary box closed while driving.

Injuries may result in the event of an accident or sudden braking.

5

Interior features



##### ■ Cable pass through (Instrument panel)

The open tray is provided with a hole that allows cables to be passed through the tray from the USB port, USB charging ports or power outlet.

Remove the cover.

### **⚠ WARNING**

■ **Items unsuitable for the open tray**

Observe the following precautions when putting items in the open tray. Failure to do so may cause items to be thrown out of the tray in the event of sudden braking or steering. In these cases, the items may interfere with pedal operation or cause driver distraction, resulting in an accident.

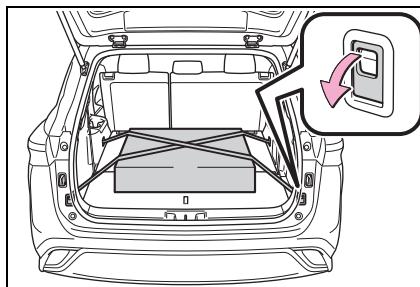
- Do not store items in the tray that can easily shift or roll out.
- Do not stack items in the tray higher than the tray's edge.
- Do not put items in the tray that may protrude over the tray's edge.

### **Luggage compartment features**

#### **Cargo hooks**

Pull down the hook to use.

The cargo hooks are provided for securing loose items.



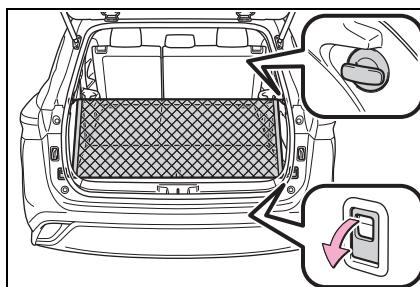
### **⚠ WARNING**

■ **When cargo hooks are not in use**

To avoid injury, always return the hooks to their stowed positions when not in use.

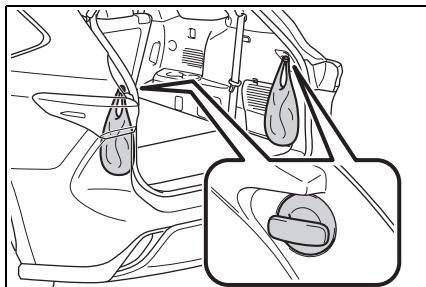
#### **Cargo net hooks**

To hang the cargo net, use the cargo net hooks and cargo hooks.



**WARNING****When the cargo net is not in use**

To avoid injury, always return the hooks to their stowed positions when not in use.

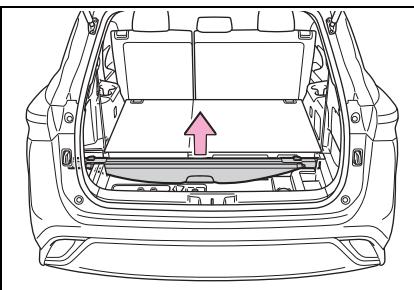
**Grocery bag hooks****NOTICE****To prevent damage to the grocery bag hooks**

Do not hang any object heavier than 3 kg (6.6 lb.) on the grocery bag hooks.

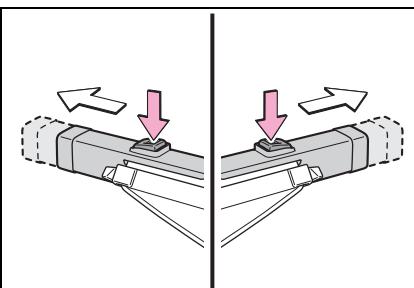
**Luggage cover****Removing the luggage cover unit**

- 1 Fold down the third seats.  
(→P.129)
- 2 Remove the center deck board  
(→P.383) and side deck board

(→P.293) and take out the luggage cover unit.

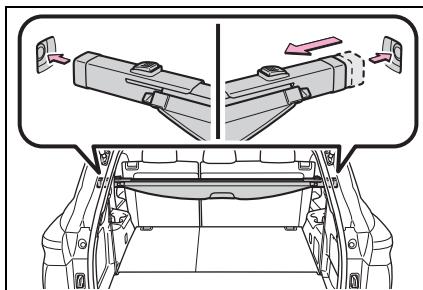
**Installing the luggage cover**

- 1 Fold down the third seats.  
(→P.129)
- 2 Press the lock release buttons to extend the ends of the luggage cover unit.

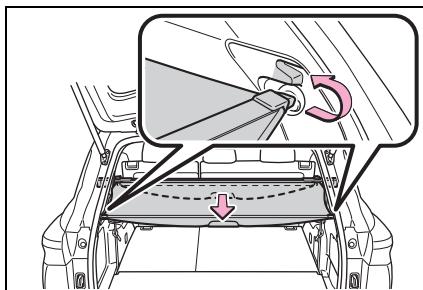


- 3 To install the luggage cover unit, with the lock release buttons facing upward, insert one end into the recess, then compress

the other end and insert it into the other recess.

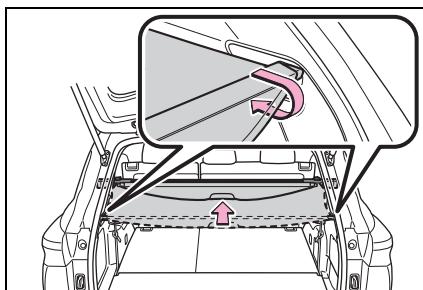


- 4 Pull out the luggage cover and hook it onto the anchors.

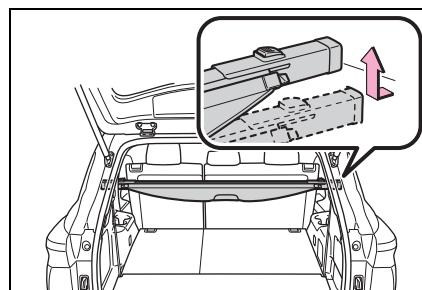


#### ■ Removing the luggage cover

- 1 Release the cover from the left and right anchors and allow it to retract.



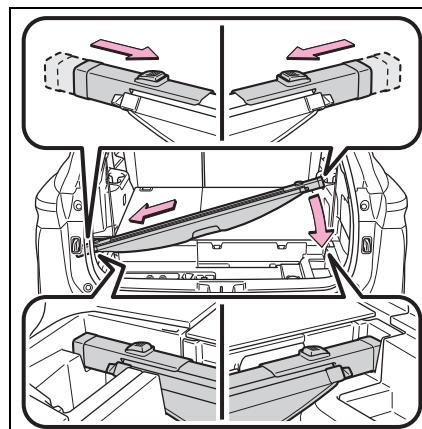
- 2 Compress the end of the luggage cover and lift the luggage cover up.



#### ■ Stowing the luggage cover

- 1 Remove the center deck board (→P.383) and the side deck board. (→P.293)
- 2 To store the luggage cover unit, compress both ends until they lock.

Store the unit with the lock release buttons facing up and the cover portion facing the rear of the vehicle.



### **WARNING**

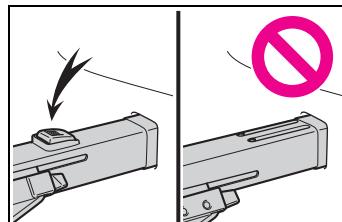
#### ■ **Luggage cover**

- When installing/stowing the luggage cover, make sure that the luggage cover is securely installed/stowed. Failure to do so may result in serious injury in the event of sudden braking or a collision.
- Do not place anything on the luggage cover. In the event of sudden braking or turning, the item may go flying and strike an occupant. This could lead to an unexpected accident, resulting in death or serious injury.
- Do not allow children to climb on the luggage cover. Climbing on the luggage cover could result in damage to the luggage cover, possibly causing death or serious injury to the child.
- Do not point the luggage cover unit at your face or body, as doing so may cause injuries if the cover extends suddenly.

### **NOTICE**

#### ■ **When using the luggage cover**

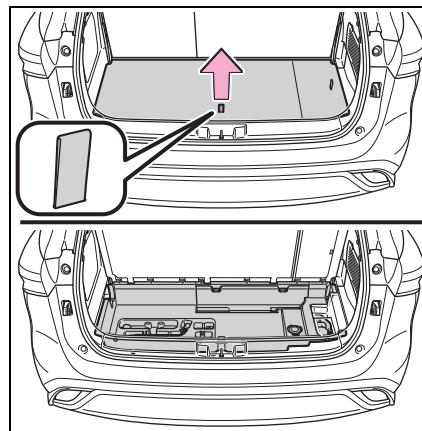
- Do not put heavy items on the luggage cover.
- Install the cover unit in the correct direction so that the lock release button faces upward.



### **Auxiliary boxes**

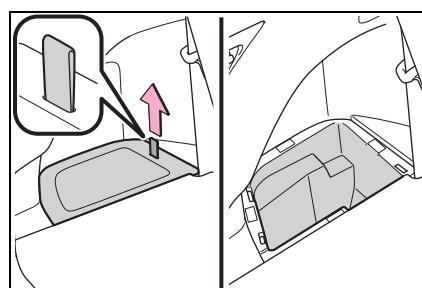
#### ► Center deck under tray

Pull the strap upwards to open the center deck board.



#### ► Deck side box

Pull the strap upwards to open the side deck board.



### **WARNING**

#### ■ **Caution while driving**

Keep the deck board closed. In the event of sudden braking, an accident may occur due to an occupant being struck by the deck board or the items stored under the deck board.

## Other interior features

### USB charging ports

The USB charging ports are used to supply 2.1 A of electricity at 5 V to external devices.

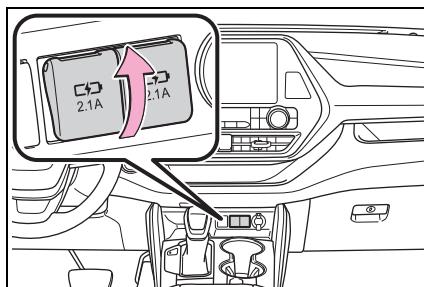
The USB charging ports are for charging only. They are not designed for data transfer or other purposes.

Depending on the external device, it may not charge properly. Refer to the manual included with the device before using a USB charging port.

#### Using the USB charging ports

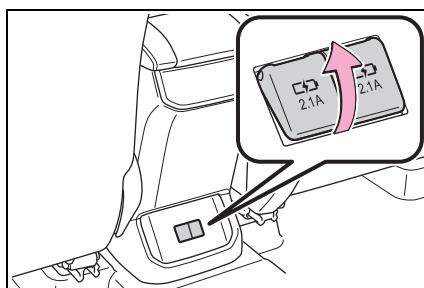
► On the instrument panel

Open the lid.



► Rear of console box

Open the lid.



#### The USB charging ports can be used when

The power switch is in ACC or ON.

#### Situations in which the USB charging ports may not operate correctly

- If a device which consumes more than 2.1 A at 5 V is connected
- If a device designed to communicate with a personal computer, such as a USB memory device, is connected
- If the connected external device is turned off (depending on device)
- If the temperature inside the vehicle is high, such as after the vehicle has been parked in the sun

#### About connected external devices

Depending on the connected external device, charging may occasionally be suspended and then start again. This is not a malfunction.

#### NOTICE

##### To prevent damage to the USB charging ports

- Do not insert foreign objects into the ports.
- Do not spill water or other liquids into the ports.
- When the USB charging ports are not in use, close the lids. If a foreign object or liquid enters a port may cause a short circuit.
- Do not apply excessive force to or impact the USB charging ports.
- Do not disassemble or modify the USB charging ports.

##### To prevent damage to external devices

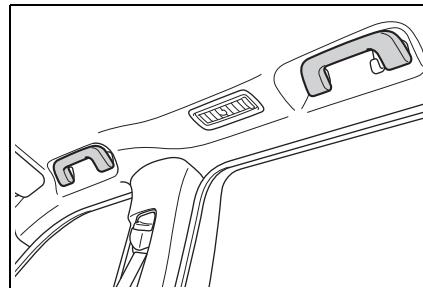
- Do not leave external devices in the vehicle. The temperature inside the vehicle may become high, resulting in damage to an external device.

**NOTICE**

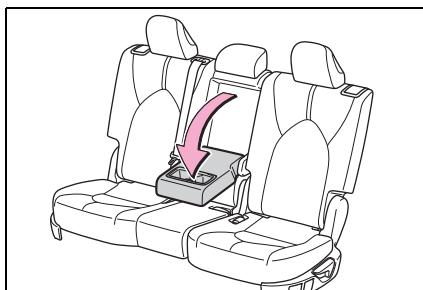
● Do not push down on or apply unnecessary force to an external device or the cable of an external device while it is connected.

**To prevent 12-volt battery discharge**

Do not use the USB charging ports for a long period of time with the hybrid system stopped.

**Armrest**

Pull the armrest down 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**

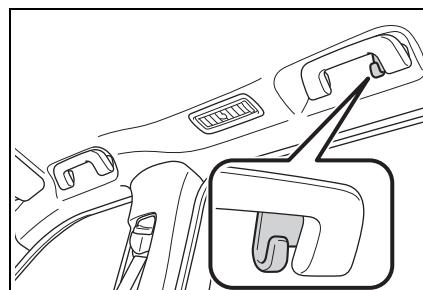
Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

**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**

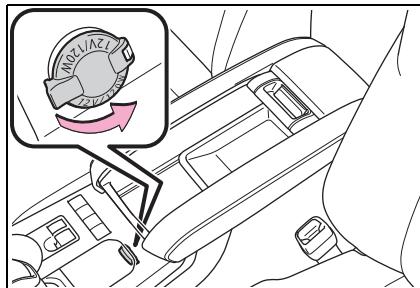
The coat hooks are provided with the rear assist grips.



### **⚠ WARNING**

**■ Items that must not be hung on the 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.



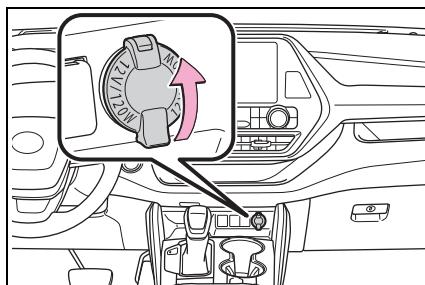
### **Power outlets**

Please use as a power supply for electronic goods that use less than 12 VDC/10 A (power consumption of 120 W).

When using electronic goods, make sure that the power consumption of all the connected power outlets is less than 120 W.

► On the instrument panel

Open the lid.



► Inside the console box

Open the lid.

**■ The power outlet can be used when**

The power switch is in ACC or ON.

**■ When stopping the hybrid system**

Disconnect electrical devices with charging functions, such as mobile battery packs.

If such devices are left connected, the hybrid system may not stop normally.

### **⚠ NOTICE**

**■ To avoid damaging the power outlet**

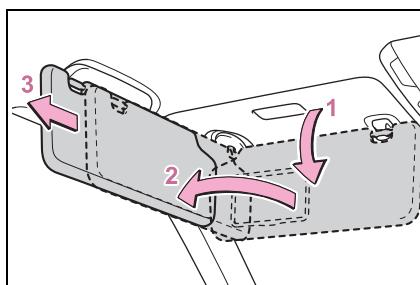
Close the power outlet lid when the power outlet is not in use.

Foreign objects or liquids that enter the power outlet may cause a short circuit.

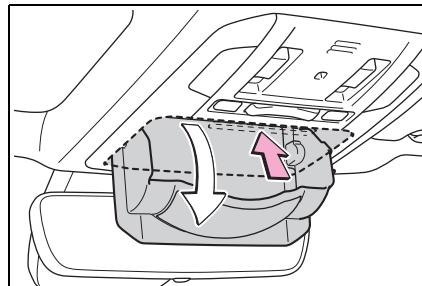
**■ To prevent 12-volt battery discharge**

Do not use the power outlet longer than necessary when the hybrid system is not running.

### **Sun visors**



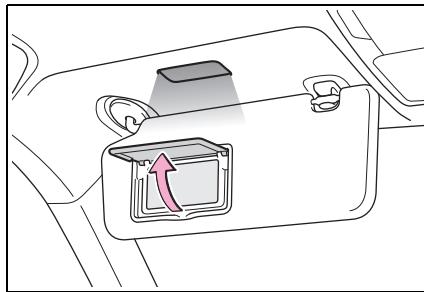
- 1** To set the visor in the forward position, flip it down.
- 2** To set the visor in the side position, flip down, unhook, and swing it to the side.
- 3** To use the side extender, place the visor in the side position, then slide it backward.



### Vanity mirrors

Open the cover.

The light turns on when the cover is opened.



#### To prevent 12-volt battery discharge

If the vanity lights remain on when the power switch is turned off, the lights will go off automatically after 20 minutes.

#### NOTICE

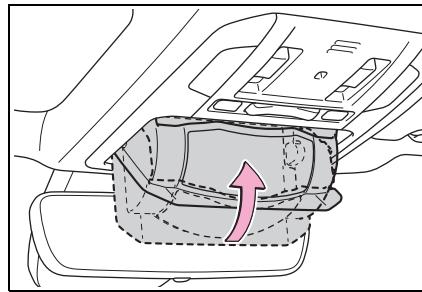
##### To prevent the 12-volt battery from being discharged

Do not leave the vanity lights on for extended periods while the hybrid system is off.

### Conversation mirror

- 1** Push the lid.

- 2** Push the lid back up half way.



#### To use the overhead console from the conversation mirror state

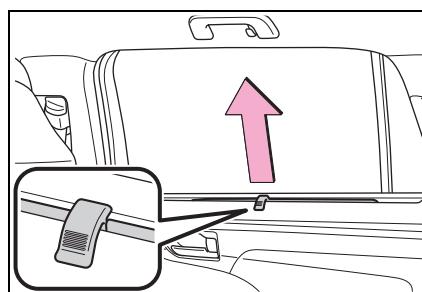
Fully close the lid, then open it again.  
(→P.288)

5

Interior features

### Rear door sunshades (if equipped)

- 1** Pull the tab up.

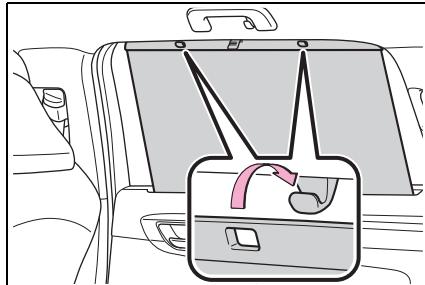


- 2** Hook the sunshade on to the anchors.

To lower the sunshade, pull the tab up

## 298 5-4. Using the other interior features

slightly to unhook the shade from the anchors, and lower it slowly.



### NOTICE

- **To ensure normal operation of the sunshades**
  - Do not put anything in an area where it may interfere with the operation of a rear door sunshade.
  - To prevent damage to the rear door sunshades, do not apply excessive load or attach items to the rear door sunshades.

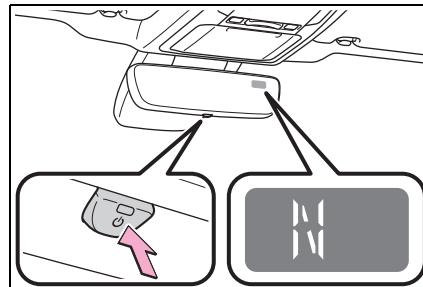
### Compass\*

\*: If equipped

The compass on the inside rear view mirror indicates the direction in which the vehicle is heading.

### Operation and displays

To turn the compass on or off, press and hold the switch for 3 seconds.



Directions are displayed as follows:

Display	Direction
"N"	North
"NE"	Northeast
"E"	East
"SE"	Southeast
"S"	South
"SW"	Southwest
"W"	West
"NW"	Northwest

### Conditions unfavorable to correct operation

The compass may not show the correct direction in the following conditions:

- The vehicle is stopped immediately

after turning.

- The vehicle is on an inclined surface.
- The vehicle is in a place where the earth's magnetic field is subject to interference by artificial magnetic fields (underground car park/parking lot, under a steel tower, between buildings, roof car park/parking lot, near an intersection, near a large vehicle, etc.).
- The vehicle has become magnetized. (There is a magnet or metal object near the inside rear view mirror.)
- The battery has been disconnected.
- A door is open.

### **WARNING**

#### **While driving the vehicle**

Do not adjust the display. Adjust the display only when the vehicle is stopped.

### **NOTICE**

#### **To avoid compass malfunctions**

Do not place magnets or any metal objects near the inside rear view mirror.

Doing this may cause the compass sensor to malfunction.

#### **To ensure normal operation of the compass**

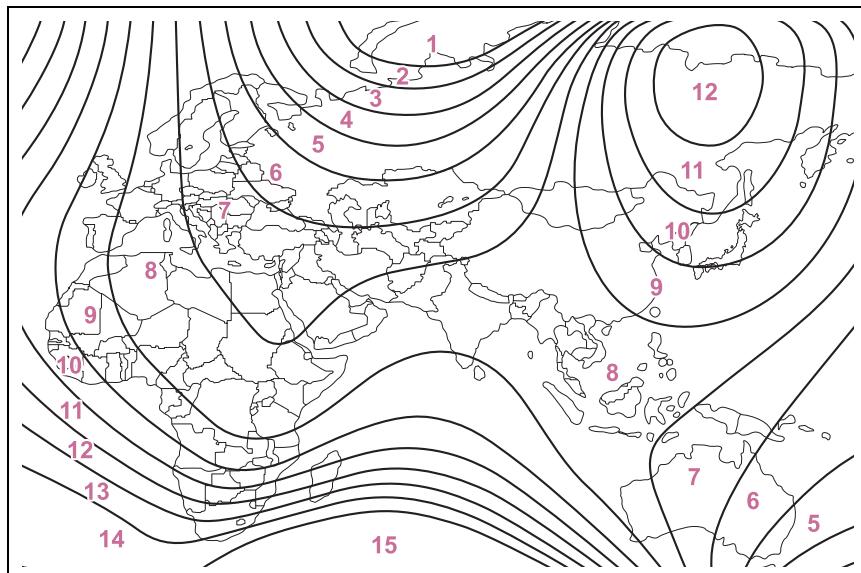
- Do not perform a circling calibration of the compass in a place where the earth's magnetic field is subject to interference by artificial magnetic fields.
- During calibration, do not operate electric systems (moon roof, power windows, etc.) as they may interfere with the calibration.

5

Interior features

## Calibrating the compass

### ■ Deviation



## 300 5-4. Using the other interior features

The direction display deviates from the true direction determined by the earth's magnetic field. The amount of deviation varies according to the geographic position of the vehicle.

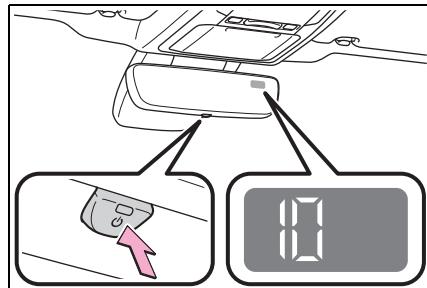
If you cross over a map boundary shown in illustration, the compass will deviate.

To obtain higher precision or perfect calibration, refer to the following.

### ■ Deviation calibration

- 1 Stop the vehicle.
- 2 Press and hold the switch for 6 seconds.

A number (1 to 15) appears on the compass display.



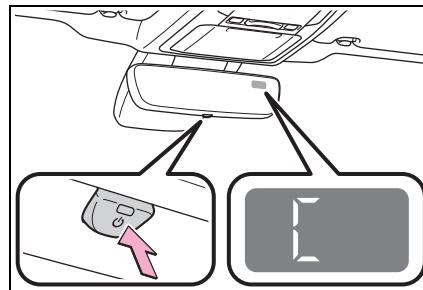
- 3 Press the switch and, referring to the map above, select the number of the zone where you are.

If the direction is displayed several seconds after adjustment, the calibration is complete.

### ■ Circling calibration

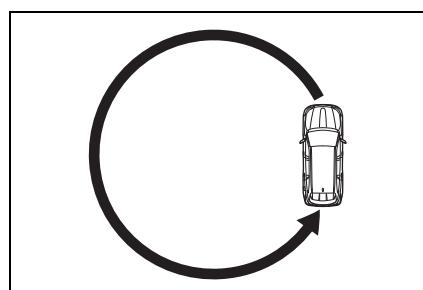
- 1 Stop the vehicle in a place where it is safe to drive in a circle.
- 2 Press and hold the switch for 9 seconds.

"C" appears on the compass display.



- 3 Drive the vehicle at 8 km/h (5 mph) or less in a circle until a direction is displayed.

If there is not enough space to drive in a circle, drive around the block until a direction is displayed.



#### **WARNING**

#### **When doing the circling calibration**

Secure a wide space, and watch out for people and vehicles in the vicinity. Do not violate any local traffic rules while performing circling calibration.

**Maintenance and care****6-1. Maintenance and care**

Cleaning and protecting the vehicle exterior .....	302
Cleaning and protecting the vehicle interior .....	305

**6-2. Maintenance**

Maintenance requirements .....	307
Scheduled maintenance ...	309

**6-3. Do-it-yourself maintenance**

Do-it-yourself service precautions .....	315
Hood .....	317
Positioning a floor jack.....	318
Engine compartment .....	319
12-volt battery .....	325
Tires .....	328
Tire inflation pressure .....	338
Wheels.....	339
Air conditioning filter .....	340
Cleaning the hybrid battery (traction battery) air intake vents and filter .....	342
Electronic key battery .....	345
Checking and replacing fuses .....	346
Light bulbs .....	349

## 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 waterproof coating deteriorates.

If water does not bead on a clean surface, apply wax when the vehicle body is cool.

### ■ Automatic car washes

- Before washing the vehicle:
  - Fold the mirrors
  - Turn off the power back door (if equipped)

Start washing from the front of the vehicle. Extend the mirrors before driving.

- Brushes used in automatic car washes may scratch the vehicle surface, parts (wheel, etc.) and harm your vehicle's paint.
- Rear spoiler may not be washable in some automatic car washes. There

may also be an increased risk of damage to vehicle.

### ■ High pressure car washes

As water may enter the cabin, do not bring the nozzle tip near the gaps around the doors or perimeter of the windows, or spray these areas continuously.

### ■ When using a car wash

If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:

- Place the key in a position 2 m (6 ft.) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P.122)

### ■ 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.

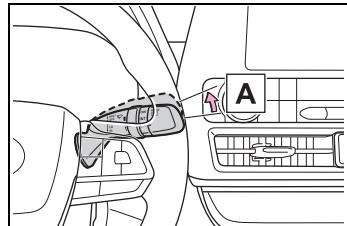
**⚠ WARNING**

**■ 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 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 AUTO**

- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

**■ Precautions regarding the exhaust pipe**

Exhaust gasses cause the exhaust pipe to become quite hot. When washing the vehicle, be careful not to touch the pipe until it has cooled sufficiently, as touching a hot exhaust pipe can cause burns.

**■ Precaution regarding the rear bumper with Blind Spot Monitor (if equipped)**

If the paint of the rear bumper is chipped or scratched, the system may malfunction. If this occurs, consult your Toyota dealer.

**⚠ NOTICE**

**■ To prevent paint deterioration and corrosion on the body and components (aluminum wheels, etc.)**

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If coal tar or tree sap is present on the paint surface
  - If dead insects, insect droppings or bird droppings are present on the paint surface
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
  - If the vehicle becomes heavily soiled with dust or mud
  - If liquids such as benzene and gasoline are spilled on the paint surface
  - If the paint is chipped or scratched, have it repaired immediately.

**NOTICE**

- To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

**Cleaning the exterior lights**

- Wash carefully. Do not use organic substances or scrub with a hard brush.  
This may damage the surfaces of the lights.

- Do not apply wax to the surfaces of the lights.  
Wax may cause damage to the lenses.

**When using an automatic car wash (vehicles with rain-sensing windshield wipers)**

Set the wiper switch to the off position.

If the wiper switch is in "AUTO", the wipers may operate and the wiper blades may be damaged.

**When using a high pressure car wash**

- When washing the vehicle, do not let water of the high pressure washer hit directly or the vicinity of the camera. Due to the shock from the high pressure water, it is possible the device may not operate as normal.

- 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, such as on the floor, in the hybrid battery (traction battery) air vents, and in the luggage compartment. Doing so may cause the hybrid battery, 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.

#### ■ 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.

6

Maintenance and care

### ⚠ NOTICE

#### ■ Cleaning detergents

- Do not use the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:
  - Non-seat portions: Organic substances such as benzene or gasoline, alkaline or acidic solutions, dye, and bleach
  - Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol
- Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

 NOTICE

**■ Preventing damage to leather surfaces**

Observe the following precautions to avoid damage to and deterioration of leather surfaces:

- Remove any dust or dirt from leather surfaces immediately.
- Do not expose the vehicle to direct sunlight for extended periods of time. Park the vehicle in the shade, especially during summer.
- Do not place items made of vinyl, plastic, or containing wax on the upholstery, as they may stick to the leather surface if the vehicle interior heats up significantly.

**■ Water on the floor**

Do not wash the vehicle floor with water.

Vehicle systems such as the audio system may be damaged if water comes into contact with electrical components such as the audio system above or under the floor of the vehicle. Water may also cause the body to rust.

**■ When cleaning the inside of the windshield (vehicles with Toyota Safety Sense)**

Do not allow glass cleaner to contact the lens. Also, do not touch the lens. (→P.187)

**■ 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 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 following maintenance:**

### **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 12-volt battery**

12-volt battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P.325)

## Scheduled maintenance

- Scheduled maintenance should be performed at specified intervals according to the maintenance schedule.

The interval for scheduled maintenance is determined by the odometer reading or the time interval, whichever comes first, shown in the schedule.

Maintenance beyond the last period should be performed at the same intervals.

- Where to go for maintenance service?

It makes good sense to take your vehicle to your local Toyota dealer for maintenance service as well as other inspections and repairs.

Toyota technicians are well-trained specialists receiving the latest service information through technical bulletins, service tips and in-dealership training programs. They learn to work on Toyota before they work on your vehicle, rather than while they are working on it. Doesn't that seem like the best way?

Your Toyota dealer has invested a lot of money in special Toyota tools and service equipment. It helps them to do the job better and at less cost.

Your Toyota dealer's service department will perform all of the scheduled maintenance on your vehicle reliably and economically.

Rubber hoses (for cooling and heater system, brake system and fuel system) should be inspected by a qualified technician according to the Toyota maintenance schedule.

Rubber hoses are particularly important maintenance items. Have any deteriorated or damaged hoses replaced immediately. Note that rubber hoses will deteriorate with age, resulting in swelling, chafing or cracking.

## Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many of the maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools. Simple instructions for how to perform them are presented in this section.

Note, however, that some maintenance tasks require special tools and skills. These are best performed by qualified technicians. Even if you are an experi-

enced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by your Toyota dealer who will keep a record of maintenance on your vehicle. This record could be helpful should you ever require Warranty Service.

#### ■ Does your vehicle need repairs?

Be on the alert for changes in performance and sounds, and visual tip-offs that indicate service is needed. Some important clues are:

- Engine missing, stumbling or pinging
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning system after use is normal.)
- Change in exhaust sound (This may indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)
- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driven straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal, pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal (→P.69)

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.

**Scheduled maintenance**

**Perform maintenance by the schedule as follows:**

**Maintenance schedule requirements**

Your vehicle needs to be serviced according to the normal maintenance schedule.  
(See "Maintenance schedule".)

If you mainly operate your vehicle under one or more of the special operating conditions below, some of the maintenance schedule items need to be serviced more frequently in order to keep your vehicle in good condition.  
(See "Additional maintenance schedule".)

<p>A. Road Conditions</p> <p>1. Operating on rough or muddy roads, or roads with melted snow.</p> <p>2. Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)</p>	<p>B. Driving Conditions</p> <ol style="list-style-type: none"> <li>1. Heavily loaded vehicle. (For example, using a car top carrier and so forth.)</li> <li>2. Repeated short trips of less than 8 km (5 miles) and outside temperatures remain below freezing. (Engine temperature will not reach to normal temperature.)</li> <li>3. Extensive idling and/or low speed driving for a long distance such as police, professional/private use like taxi or door-to-door delivery use.</li> <li>4. Continuous high speed driving (80% or more of maximum vehicle speed) for over 2 hours.</li> </ol>
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6

Maintenance and care

**Maintenance schedule**

Maintenance operations:

I = Inspect, correct or replace as necessary

R = Replace, change or lubricate

C = Cleaning

## 310 6-2. Maintenance

SERVICE INTERVAL:		ODOMETER READING									MONTHS
(Odometer reading or months, whichever comes first.)		x1000 km	10	20	30	40	50	60	70	80	
		x1000 miles	6	12	18	24	30	36	42	48	
<b>BASIC ENGINE COMPONENTS</b>											
1	Engine oil	R	R	R	R	R	R	R	R	R	12
2	Engine oil filter	R	R	R	R	R	R	R	R	R	12
3	Cooling and heater system <<See note 1.>>				I				I		24
4	Engine coolant <<See note 2.>>				I				I		-
5	Power control unit coolant <<See note 3.>>				I				I		-
6	Exhaust pipes and mountings		I		I		I		I		12
<b>IGNITION SYSTEM</b>											
7	Spark plugs	Replace every 100000 km (60000 miles)							-		
8	12-volt battery	I	I	I	I	I	I	I	I	I	12
<b>FUEL AND EMISSION CONTROL SYSTEMS</b>											
9	Fuel filter <<See note 4.>>							R		96	
10	Fuel injection system <<See note 5 and 6.>>	Add injector cleaner to the fuel tank every 10000 km (6000 miles).									
11	Air cleaner filter		I		R		I		R		I: 24 R:48
12	Fuel tank cap, fuel lines, connections and fuel vapor control valve <<See note 1.>>				I				I		24
13	Charcoal canister				I				I		24
14	Hybrid battery (traction battery) air intake vent filter	C	C	C	C	C	C	C	C		-
<b>CHASSIS AND BODY</b>											
15	Brake pedal and parking brake <<See note 7.>>	I	I	I	I	I	I	I	I	I	6
16	Brake pads and discs	I	I	I	I	I	I	I	I	I	6

SERVICE INTERVAL:		ODOMETER READING									MONTHS
(Odometer reading or months, whichever comes first.)		x1000 km	10	20	30	40	50	60	70	80	
		x1000 miles	6	12	18	24	30	36	42	48	
17	Brake fluid	I	I	I	R	I	I	I	R	I: 6 R:24	
18	Brake pipes and hoses		I		I		I		I		12
19	Steering wheel, linkage and steering gear box	I	I	I	I	I	I	I	I		6
20	Drive shaft boots		I		I		I		I		24
21	Suspension ball joints and dust covers	I	I	I	I	I	I	I	I		6
22	Hybrid transmission fluid (including front differential)				I				I		24
23	Rear differential oil (AWD models) <<See note 8.>>				I				I		24
24	Front and rear suspension		I		I		I		I		12
25	Tires and inflation pressure	I	I	I	I	I	I	I	I		6
26	Lights, horns, wipers and washers	I	I	I	I	I	I	I	I		6
27	Air conditioning filter		R		R		R		R		12

## NOTE:

1. After 80000 km (48000 miles) or 48 months inspection, inspect every 20000 km (12000 miles) or 12 months.
2. First replace at 160000 km (100000 miles), then replace every 80000 km (50000 miles).
3. First replace at 240000 km (150000 miles), then replace every 80000 km (50000 miles).
4. Including the filter in fuel tank.
5. For Iraq, Bahrain, Qatar, Kuwait, the United Arab Emirates, Saudi Arabia, and Oman only.
6. Toyota genuine fuel injector cleaner or equivalent.
7. Parking brake inspection is not necessary.
8. Integrated in rear transaxle.

### Additional maintenance schedule

Refer to the following table for normal maintenance schedule items requiring more frequent service specific to the type of severe conditions. (For outline, see "Maintenance schedule requirements".)

<b>A-1: Operating on rough or muddy roads, or roads with melted snow.</b>	
• Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months
• Inspection* of brake pipes and hoses	Every 10000 km (6000 miles) or 6 months
• Inspection* of steering wheel, linkage and steering gear box	Every 5000 km (3000 miles) or 3 months
• Inspection* of drive shaft boots	Every 10000 km (6000 miles) or 12 months
• Inspection* of front and rear suspension	Every 10000 km (6000 miles) or 6 months
• Tightening of bolts and nuts on chassis and body <<See note 1.>>	Every 10000 km (6000 miles) or 6 months
<b>A-2: Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)</b>	
• Replacement of engine oil	Every 5000 km (3000 miles) or 6 months
• Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months
• Inspection* or replacement of air cleaner filter	I: Every 2500 km (1500 miles) or 3 months R: Every 40000 km (24000 miles) or 48 months
• Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months
<b>B-1: Heavily loaded vehicle. (For example, using a car top carrier and so forth.)</b>	
• Replacement of engine oil	Every 5000 km (3000 miles) or 6 months
• Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months
• Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months

<b>B-1: Heavily loaded vehicle. (For example, using a car top carrier and so forth.)</b>	
<ul style="list-style-type: none"> <li>• Inspection* or replacement of hybrid transmission fluid (including front differential)</li> </ul>	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months
<ul style="list-style-type: none"> <li>• Inspection* or replacement of rear differential oil (AWD models) &lt;&lt;See note 2.&gt;&gt;</li> </ul>	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months
<ul style="list-style-type: none"> <li>• Inspection* of front and rear suspension</li> </ul>	Every 10000 km (6000 miles) or 6 months
<ul style="list-style-type: none"> <li>• Tightening of bolts and nuts on chassis and body &lt;&lt;See note 1.&gt;&gt;</li> </ul>	Every 10000 km (6000 miles) or 6 months
<b>B-2: Repeated short trips of less than 8 km (5 miles) and outside temperatures remain below freezing. (Engine temperature will not reach to normal temperature.)</b>	
<ul style="list-style-type: none"> <li>• Replacement of engine oil</li> </ul>	Every 5000 km (3000 miles) or 6 months
<ul style="list-style-type: none"> <li>• Replacement of engine oil filter</li> </ul>	Every 5000 km (3000 miles) or 6 months
<b>B-3: Extensive idling and/or low speed driving for a long distance such as police, professional/private use like taxi or door-to-door delivery use.</b>	
<ul style="list-style-type: none"> <li>• Replacement of engine oil</li> </ul>	Every 5000 km (3000 miles) or 6 months
<ul style="list-style-type: none"> <li>• Replacement of engine oil filter</li> </ul>	Every 5000 km (3000 miles) or 6 months
<ul style="list-style-type: none"> <li>• Inspection* of brake pads and discs</li> </ul>	Every 5000 km (3000 miles) or 3 months
<b>B-4: Continuous high speed driving (80% or more of maximum vehicle speed) for over 2 hours.</b>	
<ul style="list-style-type: none"> <li>• Inspection* or replacement of hybrid transmission fluid (including front differential)</li> </ul>	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months
<ul style="list-style-type: none"> <li>• Inspection* or replacement of rear differential oil (AWD models) &lt;&lt;See note 2.&gt;&gt;</li> </ul>	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months

**NOTE:**

1. For seat mounting bolts, suspension member retaining bolts and leaf

## **314      6-2. Maintenance**

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springs retaining U bolts.

2. Integrated in rear transaxle.

\*: Perform correction or replacement as necessary.

### **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
12-volt battery condition (→P.325)	<ul style="list-style-type: none"> <li>• Grease</li> <li>• Conventional wrench (for terminal clamp bolts)</li> </ul>
Engine/power control unit coolant level (→P.322)	<ul style="list-style-type: none"> <li>• “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water.</li> <li>• Funnel (used only for adding coolant)</li> </ul>

Items	Parts and tools
Engine oil level (→P.319)	<ul style="list-style-type: none"> <li>• “Toyota Genuine Motor Oil” or equivalent</li> <li>• Rag or paper towel</li> <li>• Funnel (used only for adding engine oil)</li> </ul>
Fuses (→P.346)	<ul style="list-style-type: none"> <li>• Fuse with same amperage rating as original</li> </ul>
Hybrid battery (traction battery) air intake vent (→P.342)	<ul style="list-style-type: none"> <li>• Vacuum cleaner, etc.</li> <li>• Phillips screwdriver</li> </ul>
Light bulbs (→P.349)	<ul style="list-style-type: none"> <li>• Bulb with same number and wattage rating as original</li> <li>• Phillips-head screwdriver</li> <li>• Flathead screwdriver</li> <li>• Wrench</li> </ul>
Radiator and condenser (→P.323)	—
Tire inflation pressure (→P.338)	<ul style="list-style-type: none"> <li>• Tire pressure gauge</li> <li>• Compressed air source</li> </ul>
Washer fluid (→P.323)	<ul style="list-style-type: none"> <li>• Water or washer fluid containing antifreeze (for winter use)</li> <li>• Funnel (used only for adding water or washer fluid)</li> </ul>

 **WARNING**

The engine compartment contains many mechanisms and fluids that may move suddenly, become hot, or become electrically energized. To avoid death or serious injury, observe the following precautions.

**■ When working on the engine compartment**

- Make sure that the "ACCESSORY" or "IGNITION ON" on the multi-information display and the "READY" indicator are both off.
- Keep hands, clothing and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, power control unit, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.  
If you still experience discomfort, consult a doctor.

**■ When working near the electric cooling fan or radiator grille**

Be sure the power switch is off. With the power switch in ON, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P.323)

 **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.

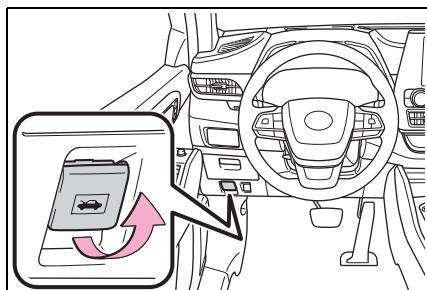
**■ If the fluid level is low or high**

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.

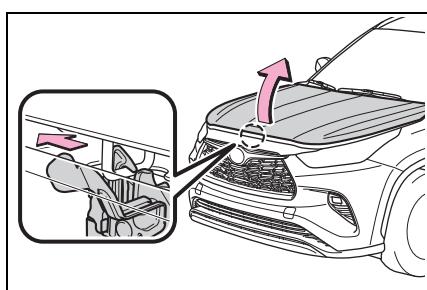
**Hood****Opening the hood**

- 1** Pull the hood lock release lever.

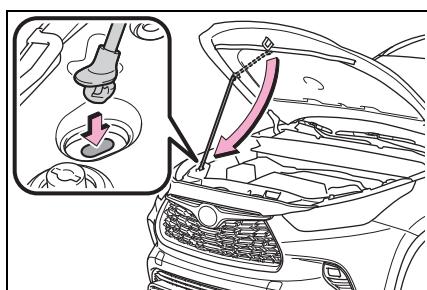
The hood will pop up slightly.



- 2** Pull up the auxiliary catch lever 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**

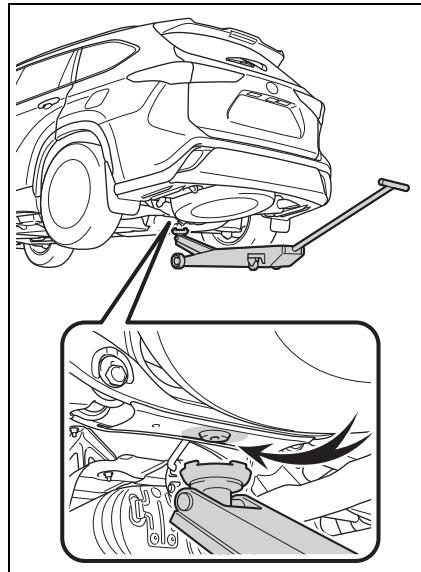
Be sure to return the support rod to its clip before closing the hood. Closing the hood with the support rod not clipped could cause the hood to bend.

### Positioning a floor jack

**When using a floor jack, follow the instructions in the manual provided with the jack and perform the operation safely.**

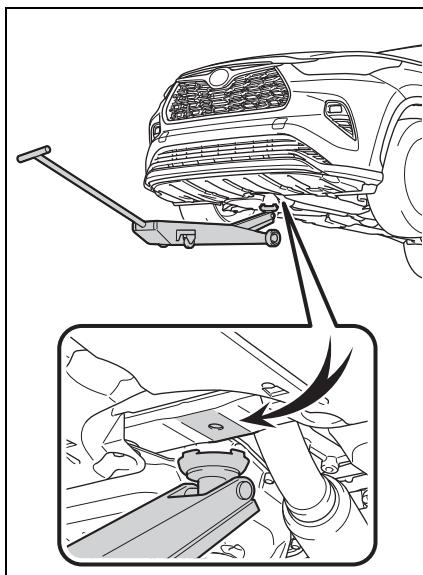
**When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.**

#### ■ Rear



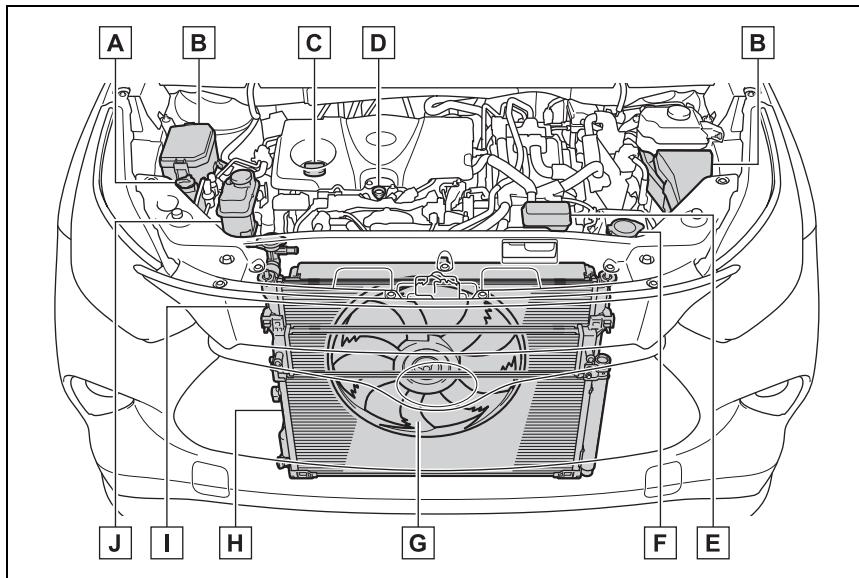
### Location of the jack point

#### ■ Front



## Engine compartment

### Components



- [A] Engine coolant reservoir (→P.322)
- [B] Fuse boxes (→P.346)
- [C] Engine oil filler cap (→P.320)
- [D] Engine oil level dipstick (→P.320)
- [E] Air cleaner (→P.323)
- [F] Washer fluid tank (→P.323)
- [G] Electric cooling fan
- [H] Condenser (→P.323)
- [I] Radiator (→P.323)
- [J] Power control unit coolant reservoir (→P.322)

#### ■ 12-volt battery

→P.325

#### Checking and adding the engine oil

With the engine at operating temperature and turned off, check the

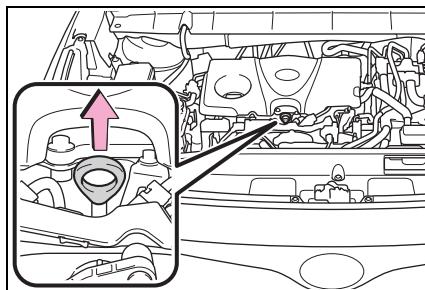
6

Maintenance and care

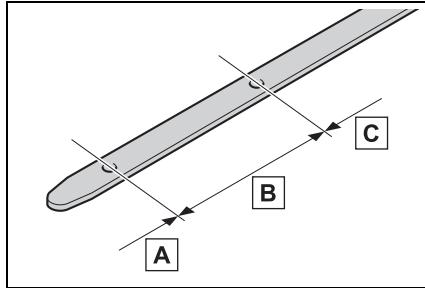
oil level on the dipstick.

#### ■ Checking the engine oil

- 1 Park the vehicle on level ground. After warming up the engine and turning off the hybrid system, wait more than 5 minutes for the oil to drain back into the bottom of the engine.
- 2 Holding a rag under the end, pull the dipstick out.



- 3 Wipe the dipstick clean.
- 4 Reinsert the dipstick fully.
- 5 Holding a rag under the end, pull the dipstick out and check the oil level.



- 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.

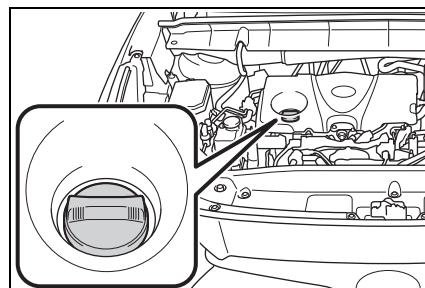
#### ■ Checking the oil type and preparing the item needed

Make sure to check the oil type and prepare the items needed before adding oil.

- Engine oil selection  
→P.411
- 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, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic

### ■ After changing the engine oil

The engine oil maintenance data should be reset. Perform the following procedures:

#### ► 4.2-inch display

- 1 Press < or > of the meter control switch to select .
- 2 Press ▲ or ▼ of the meter control switch, select  and then press and hold .
- 3 Press ▲ or ▼ of the meter control switch, select "Oil Maintenance" and then press .
- 4 Select "Yes" and press .
- 5 A message will be displayed on the multi-information display when the reset procedure has been completed.

#### ► 7-inch display

- 1 Press ▲ or ▼ of the meter control switch to select .

**2** Press < or > of the meter control switch, select  and then press and hold .

**3** Press ▲ or ▼ of the meter control switch, select "Oil Maintenance" and then press .

**4** Select "Yes" and press .

**5** A message will be displayed on the multi-information display when the reset procedure has been completed.

### 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.

6

Maintenance and care

### 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.

### NOTICE

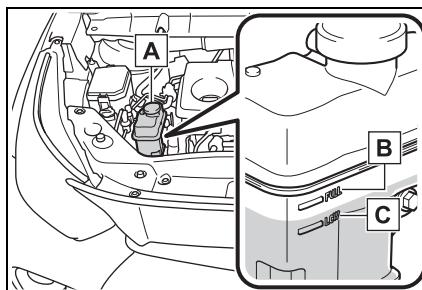
- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

#### If oil is spilled on the engine cover

To prevent the engine cover from being damaged, remove any engine oil from the engine cover as soon as possible using a neutral detergent. Do not use an organic solvent such as brake cleaner.

### ■ Power control unit coolant reservoir

The coolant level is satisfactory if it is between the "FULL" and "LOW" lines on the reservoir when the hybrid system is cold.



**A** Reservoir cap

**B** "FULL" line

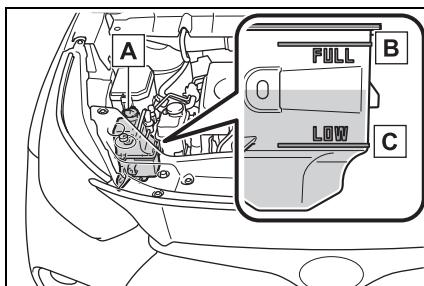
**C** "LOW" line

If the level is on or below the "LOW" line, add coolant up to the "FULL" line. (→P.403)

### Checking the coolant

#### ■ Engine coolant reservoir

The coolant level is satisfactory if it is between the "FULL" and "LOW" lines on the reservoir when the engine is cold.



**A** Reservoir cap

**B** "FULL" line

**C** "LOW" line

If the level is on or below the "LOW" line, add coolant up to the "FULL" line. (→P.403)

### ■ Coolant selection

Only use "Toyota Super Long Life Coolant" or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

"Toyota Super Long Life Coolant" is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -35°C [-31°F])

For more details about coolant, contact your Toyota dealer.

#### ■ If the coolant level drops within a short time of replenishing

Visually check the radiator, hoses, engine/power control unit coolant reservoir caps, drain cock and water pump. If you cannot find a leak, have your Toyota dealer test the cap and check for leaks in the cooling system.

**⚠ WARNING****■ When the hybrid system is hot**

Do not remove the engine/power control unit coolant reservoir caps and radiator cap.

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

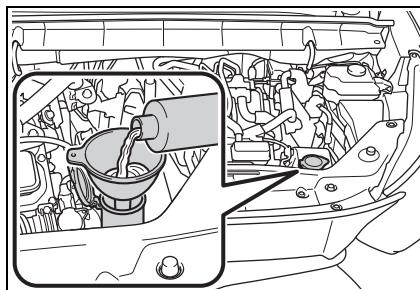
**⚠ NOTICE****■ When adding coolant**

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

**■ If you spill coolant**

Be sure to wash it off with water to prevent it from damaging parts or paint.

warning message appears on the multi-information display, the washer tank may be empty. Add washer fluid.

**⚠ WARNING****■ When adding washer fluid**

Do not add washer fluid when the hybrid system is hot or operating as washer fluid contains alcohol and may catch fire if spilled on the engine, etc.

**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 hybrid system is hot**

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

**Washer fluid**

If any washer does not work or the

**⚠ 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.

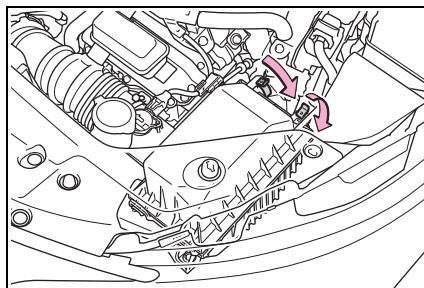
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

**Checking the air cleaner filter**

Check the air cleaner filter as follows:

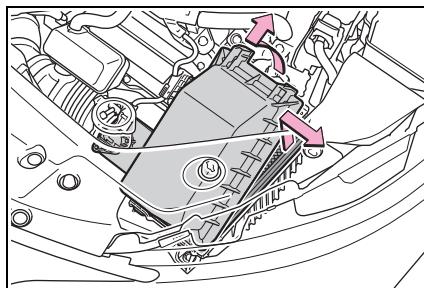
## 324 6-3. Do-it-yourself maintenance

- 1 Release the clips.

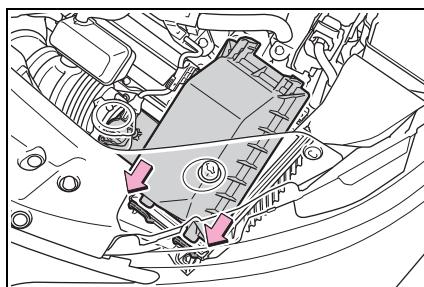


- 2 Lift the cover and take out the air cleaner filter.

Inspect the outer surface of the filter, and replace the filter if it is extremely dirty. If the filter is just moderately dusty, use compressed air to blow dust out of the filter.



- 3 After checking, make sure the filter is set properly. Fully engage the claws and then secure the upper cover of the air cleaner case using the clips.



### WARNING

#### ■ To prevent inhaling dust

Wear a respirator when using compressed air to clean the air cleaner filter.

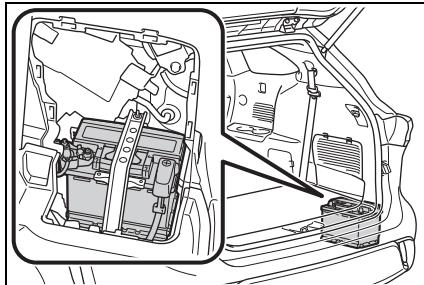
### NOTICE

#### ■ To prevent damaging the engine

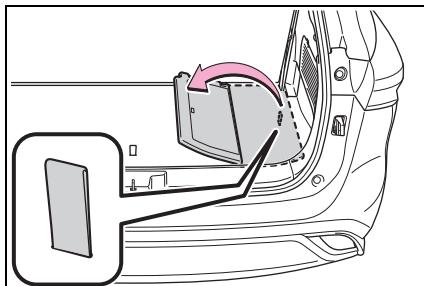
Do not drive with the air cleaner filter removed. Doing so causes excessive engine wear.

**12-volt battery****Location**

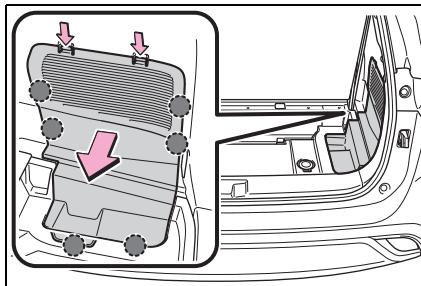
The 12-volt battery is located in the right-hand side of luggage compartment.

**Before removing the 12-volt battery cover**

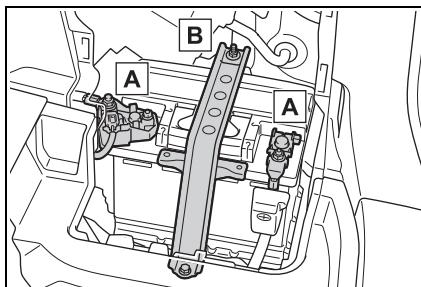
Open the deck board.

**Removing the 12-volt battery cover**

Disengage the 8 claws and pull the side deck board to remove it.

**Exterior**

Make sure that the 12-volt 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 12-volt battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following precautions before recharging:

- If recharging with the 12-volt battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the 12-volt battery.

**■ After recharging/reconnecting the 12-volt battery**

- The hybrid system may not start. Follow the procedure below to initialize the system.
  - 1 Shift the shift lever to P.
  - 2 Open and close any of the doors.
  - 3 Restart the hybrid system.
- Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the 12-volt battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the hybrid system with the power switch in ACC. The hybrid system may not start with the power switch turned off. However, the hybrid system will operate normally from the second attempt.
- The power switch mode is recorded by the vehicle. If the 12-volt battery is disconnected and reconnected, the vehicle will return the power switch mode to the status it was in before the 12-volt battery was disconnected. Make sure to turn off the power switch before disconnecting the 12-volt battery. Take extra care when connecting the 12-volt battery if the power switch mode prior to the 12-volt battery being disconnected is unknown.

If the system will not start even after multiple attempts at all the methods above, contact your Toyota dealer.



**WARNING**

**■ Chemicals in the 12-volt battery**

The 12-volt battery contains poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the 12-volt battery:

● Do not cause sparks by touching the 12-volt battery terminals with tools.

● Do not smoke or light a match near the 12-volt battery.

● Avoid contact with eyes, skin and clothes.

● Never inhale or swallow electrolyte.

● Wear protective safety glasses when working near the 12-volt battery.

● Keep children away from the 12-volt battery.

**■ Where to safely charge the 12-volt battery**

Always charge the 12-volt battery in an open area. Do not charge the 12-volt battery in a garage or closed room where there is insufficient ventilation.

**■ How to recharge the 12-volt battery**

Only perform a slow charge (5 A or less). The 12-volt battery may explode if charged at a quicker rate.

**■ 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.

**⚠ WARNING**

- If you accidentally swallow electrolyte  
Drink a large quantity of water or milk. Get emergency medical attention immediately.
  - **When replacing the 12-volt battery**  
Use a 12-volt battery designed for this vehicle. Failure to do so may cause gas (hydrogen) to enter the passenger compartment, causing a fire or explosion.  
For replacement of the 12-volt battery, contact your Toyota dealer.
  - **When handling the 12-volt battery**
- P.401

	Shield eyes
	Note operating instructions
	Keep away from children
	Explosive gas

**⚠ NOTICE**

- **When recharging the 12-volt battery**  
Never recharge the 12-volt battery while the hybrid system is operating. Also, be sure all accessories are turned off.

6

Maintenance and care

**Caution symbols**

The meanings of each caution symbol on the top of the 12-volt battery are as follows:

	No smoking, no naked flames, no sparks
	Battery acid

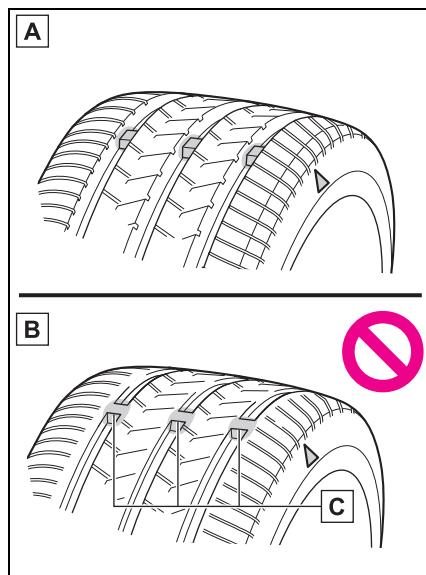
**Tires**

**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 "△" 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.

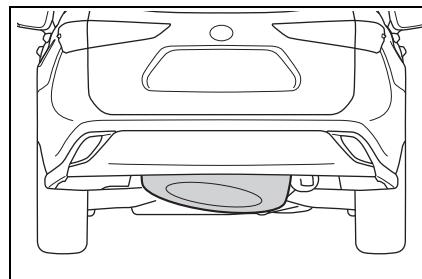
**Tire life**

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.

**Proper storage of the spare tire**

As an improperly stored spare tire may cause damage to the wire cable that holds it, check that the spare tire is stored properly on a daily basis.

- If the stored spare tire appears to be slanted or rattles while driving, the spare tire may not be properly stored. Store the spare tire again by performing the following tire change procedure correctly:



- 1 If the spare tire is slanted, the hoist assembly may be stuck in the wheel opening. If the spare tire rattles while

driving, it may not be fully raised. Lower the spare tire to the ground and make sure that the hoist assembly is perpendicular to the wheel opening.

- 2** Raise the tire slowly and steadily until a click is heard and the jack handle skips.

If the spare tire cannot be lowered, the wire cable may be severed. Have the vehicle inspected at your Toyota dealer.

**■ If the tread on snow tires wears down below 4 mm (0.16 in.)**

The effectiveness of the tires as snow tires is lost.

**⚠ WARNING**

**■ When inspecting or replacing tires**

Observe the following precautions to prevent accidents.

Failure to do so may cause damage to parts of the drive train as well as dangerous handling characteristics, which may lead to an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns. Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and snow tires.
- Do not use tires that have been used on another vehicle. Do not use tires if you do not know how they were used previously.

**⚠ NOTICE**

**■ Driving on rough roads**

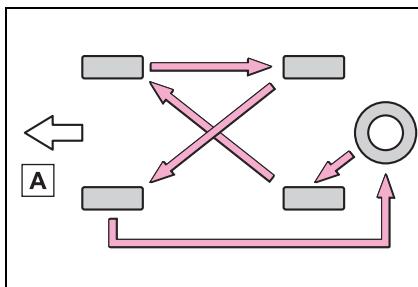
Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

**■ If tire inflation pressure of each tire becomes low while driving**

Do not continue driving, or your tires and/or wheels may be ruined.

**Tire rotation**

Rotate the tires in the order shown.



**A** Front

2WD models:

To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 10000 km (6000 miles).

AWD models:

To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 5000 km (3000 miles).

Do not fail to initialize the tire pressure warning system after tire rotation.

### Tire pressure warning system

Your vehicle is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise.

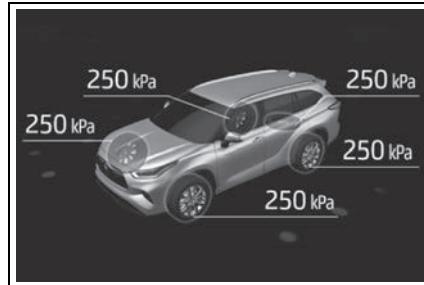
- The tire pressure detected by the tire pressure warning system can be displayed on the multi-information display. (→P.72, 81)

The illustration used is intended as an example, and may differ from the image that is actually displayed on the multi-information display.

- 4.2-inch display



- 7-inch display

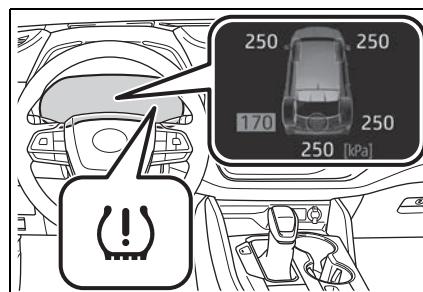


- If the tire pressure drops below a predetermined level, the driver is warned by a screen display and

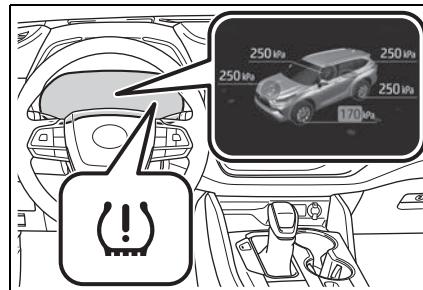
a warning light. (→P.372)

The illustration used is intended as an example, and may differ from the image that is actually displayed on the multi-information display.

- 4.2-inch display



- 7-inch display



#### Routine tire inflation pressure checks

The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

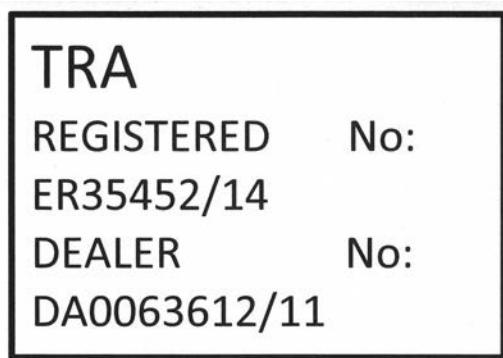
#### Situations in which the tire pressure warning system may not operate properly

- In the following cases, the tire pressure warning system may not operate properly.
  - If non-genuine Toyota wheels are used.
  - A tire has been replaced with a tire that is not an OE (Original Equipment) tire.

- A tire has been replaced with a tire that is not of the specified size.
- Tire chains, etc. are equipped.
- An auxiliary-supported run-flat tire is equipped.
- If a window tint that affects the radio wave signals is installed.
- If there is a lot of snow or ice on the vehicle, particularly around the wheels or wheel housings.
- If the tire inflation pressure is extremely higher than the specified level.
- If the spare tire is in a location subject to poor radio wave signal reception.
- If wheel without the tire pressure warning valve and transmitter is used.
- If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- Performance may be affected in the following situations.
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise

**■ Tire pressure warning system certification**

- ▶ For vehicles sold in United Arab Emirates



- ▶ For vehicles sold in Jordan

Type approval No.: TRC/LPD/2014/249

### Installing tire pressure warning valves and transmitters

When replacing tires or wheels, tire pressure warning valves and transmitters must also be installed.

When new tire pressure warning valves and transmitters are installed, new ID codes must be registered in the tire pressure warning computer and the tire pressure warning system must be initialized. Have tire pressure warning valves and transmitter ID codes registered by your Toyota dealer.  
(→P.335)

#### Replacing tires and wheels

If the ID code of the tire pressure warning valve and transmitter is not registered, the tire pressure warning system will not work properly. After driving for about 10 minutes, the tire pressure warning light blinks for 1 minute and stays on to indicate a system malfunction.



#### NOTICE

##### Repairing or replacing tires, wheels, tire pressure warning valves, transmitters and tire valve caps

- When removing or fitting the wheels, tires or the tire pressure warning valves and transmitters, contact your Toyota dealer as the tire pressure warning valves and transmitters may be damaged if not handled correctly.

- Make sure to install the tire valve caps. If the tire valve caps are not installed, water could enter the tire pressure warning valves and the tire pressure warning valves could be bound.

- When replacing tire valve caps, do not use tire valve caps other than those specified. The cap may become stuck.

##### To avoid damage to the tire pressure warning valves and transmitters

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Toyota dealer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. (→P.332)

### Initializing the tire pressure warning system

#### The tire pressure warning system must be initialized in the following circumstances:

- When the tire inflation pressure is changed such as when changing traveling speed.
- When the tire inflation pressure is changed such as when the tire size is changed.
- When rotating the tires.
- After registering the ID codes.  
(→P.335)

When the tire pressure warning system is initialized, the current tire inflation pressure is set as the benchmark pressure.

### ■ How to initialize the tire pressure warning system

► 4.2-inch display

- Park the vehicle in a safe place and turn the power switch off.

Initialization cannot be performed while the vehicle is moving.

- Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P.415)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

- Turn the power switch to ON.

- Press < or > of the meter control switch to select .

- Press ^ or v of the meter control switch, select  and then press and hold .

- Press ^ or v of the meter control switch, select "TPWS" and then press .

- Press ^ or v of the meter control switch, select "Set Pressure" and then press and hold .

► 7-inch display

- Park the vehicle in a safe place and turn the power switch off.

Initialization cannot be performed while the vehicle is moving.

- Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P.415)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

- Turn the power switch to ON.

- Press ^ or v of the meter control switch to select .

- Press < or > of the meter control switch, select  and then press and hold .

- Press ^ or v of the meter control switch, select "TPWS" and then press .

- Press ^ or v of the meter control switch, select "Set Pressure" and then press and hold .

"Setting Tire Pressure Warning System" will be displayed on the multi-information display and the tire pressure warning light will blink 3 times.

When the message disappears, initialization is complete.

A message is displayed on the multi-information display. Also, "--" is displayed for inflation pressure of each tire on the multi-information display while the tire pressure warning system determines the position.

Drive the vehicle at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes until the inflation pressure of each tire is displayed on the multi-information display.

When initialization is complete, the inflation pressure of each tire will be displayed on the multi-information display.

Even if the vehicle is not driven at approximately 40 km/h (25 mph) or more, initialization can be completed by driving for a long time. However, if initialization does not complete after driving for 1 hour or more, park the vehicle in a safe place for approximately 20 minutes and then drive the vehicle again.

#### ■ Initializing the tire pressure warning system

Initialize the system with the tire inflation pressure adjusted to the specified level.

#### ■ Initialization procedure

- Make sure to carry out initialization after adjusting the tire inflation pressure. Also, make sure the tires are cold before carrying out initialization or tire inflation pressure adjustment.
- If you have accidentally turned the power switch off during initialization, it is not necessary to restart the initialization again as initialization will restart automatically when the power switch has been turned to ON for the next time.
- If you accidentally restart the initialization when initialization is not necessary, adjust the tire inflation pressure to the specified level when the tires are cold, and conduct initialization

again.

- While the position of each tire is being determined and the inflation pressures are not being displayed on the multi-information display, if the inflation pressure of a tire drops, the tire pressure warning light will come on.

#### ■ When initialization of the tire pressure warning system has failed

Initialization may take longer to complete if the vehicle is driven on an unpaved road. When performing initialization, drive on a paved road if possible. Depending on the driving environment and condition of the tires, initialization will be completed in approximately 10 to 30 minutes. If initialization is not complete after driving approximately 10 to 30 minutes, continue driving for a while. If the inflation pressure of each tire is not displayed after driving for approximately 1 hour, perform the following procedure.

- Park the vehicle in a safe place for approximately 20 minutes. Then drive straight (with occasional left and right turns) at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

However, in the following situations, the tire inflation pressure will not be recorded and the system will not operate properly. Perform initialization again.

- If the vehicle is reversed during initialization, the data up to that point is reset, so perform the initialization procedure again from the beginning.
- When operating the tire pressure warning reset switch, the tire pressure warning light does not blink 3 times.
- After performing initialization, the tire pressure warning light blinks for 1 minute then stays on while driving.

If the inflation pressure of each tire is still not displayed, have the vehicle inspected by your Toyota dealer.

**⚠ WARNING****■ When initializing the tire pressure warning system**

Do not initialize tire inflation pressure without first adjusting the tire inflation pressure to the specified level. Otherwise, the tire pressure warning light may not come on even if the tire inflation pressure is low, or it may come on when the tire inflation pressure is actually normal.

**Registering ID codes**

Every tire pressure warning valve and transmitter has a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID code. When registering the ID codes, perform the following procedure.

## ► 4.2-inch display

- 1** Park the vehicle in a safe place and turn the power switch off.

Initialization cannot be performed while the vehicle is moving.

- 2** Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P.415)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

- 3** Turn the power switch to ON.
- 4** Press **<** or **>** of the meter control switch to select .

- 5** Press **▲** or **▼** of the meter control switch, select  and then press and hold .

- 6** Press **▲** or **▼** of the meter control switch, select "TPWS" and then press .

- 7** Press **▲** or **▼** of the meter control switch, select "Change Wheel" and then press  until the tire pressure warning light starts slowly blinking 3 times.

The change wheel set mode is activated and registration is started.

Then a message will be displayed on the multi-information display. When registration is being performed, the tire pressure warning light will blink for approximately 1 minute then illuminate and "--" will be displayed for the inflation pressure of each tire on the multi-information display.

- 8** Drive the vehicle at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

When registration is completed, the tire pressure warning light will go off and the inflation pressure of each tire will be displayed on the multi-information display.

Even if the vehicle is not driven at approximately 40 km/h (25 mph) or more, registration can be completed by driving for a long time. However, if registration does not complete after driving for 1 hour or more, perform the procedure again from the beginning.

- 9** Initialize the tire pressure warning system. (→P.333)

6

Maintenance and care

## 336 6-3. Do-it-yourself maintenance

- ▶ 7-inch display

- 1 Park the vehicle in a safe place and turn the power switch off.

Initialization cannot be performed while the vehicle is moving.

- 2 Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P.415)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

- 3 Turn the power switch to ON.
- 4 Press  $\wedge$  or  $\vee$  of the meter control switch to select .

- 5 Press  $<$  or  $>$  of the meter control switch, select  and then press and hold .

- 6 Press  $\wedge$  or  $\vee$  of the meter control switch, select "TPWS" and then press .

- 7 Press  $\wedge$  or  $\vee$  of the meter control switch, select "Change Wheel" and then press  until the tire pressure warning light starts slowly blinking 3 times.

The change wheel set mode is activated and registration is started.

Then a message will be displayed on the multi-information display. When registration is being performed, the tire pressure warning light will blink for approximately 1 minute then illuminate and "--" will be displayed for the inflation pressure of each tire on the multi-information display.

- 8 Drive the vehicle at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

When registration is completed, the tire pressure warning light will go off and the inflation pressure of each tire will be displayed on the multi-information display.

Even if the vehicle is not driven at approximately 40 km/h (25 mph) or more, registration can be completed by driving for a long time. However, if registration does not complete after driving for 1 hour or more, perform the procedure again from the beginning.

- 9 Initialize the tire pressure warning system. (→P.333)

### ■ When registering ID codes

- ID code registration is performed while driving at a vehicle speed of approximately 40 km/h (25 mph) or more.
- Before performing ID code registration, make sure that no wheels with tire pressure warning valve and transmitters installed are near the vehicle.
- Make sure to initialize the tire pressure warning system after registering the ID codes. If the system is initialized before registering the ID codes, the initialized values will be invalid.
- ID codes can be registered by yourself, but depending on the driving conditions and driving environment, registration may take some time to complete.

### ■ Canceling ID code registration

- To cancel ID code registration after it has been started, turn the power switch off before driving the vehicle. If the vehicle is driven after ID code registration is started, to cancel registration, perform the ID code registration start procedure again and turn the power switch off before driving.

- If ID code registration has been canceled, the tire pressure warning light will blink for approximately 1 minute when the power switch is turned to ON and then illuminate. The tire pressure warning system will be operational when the tire pressure warning light turns off.
- If the warning light does not turn off even after several minutes have elapsed, ID code registration may not have been canceled correctly. To cancel registration, perform the ID code registration start procedure again and then turn the power switch off before driving.

#### ■ If ID codes are not registered properly

In the following situations, ID code registration may take longer than usual to be completed or may not be possible. Normally, registration completes within approximately 30 minutes.

- Vehicle is not parked for approximately 20 minutes or more before driving
- Vehicle is not driven at approximately 40 km/h (25 mph) or more
- Vehicle is driven on unpaved roads
- Vehicle is driven near other vehicles and system cannot recognize tire pressure warning valve and transmitters of your vehicle over those of other vehicles

Wheel with tire pressure warning valve and transmitter installed is inside or near the vehicle

If registration does not complete after driving for 1 hour or more, perform the ID code registration procedure again from the beginning.

- If the vehicle is reversed during registration, the data up to that point is reset, so perform the registration procedure again from the beginning.
- In the following situations, ID code registration will not be started or was not completed properly and the sys-

tem will not operate properly. Perform the ID code registration procedure again.

- If, when attempting to start ID code registration, the tire pressure warning light does not blink slowly 3 times.
- If, when the vehicle has been driven for about 10 minutes after performing ID code registration, the tire pressure warning light blinks for approximately 1 minute and then illuminates.

If the ID codes cannot be registered even when performing the above procedure, contact your Toyota dealer.

## 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.415)**

### 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.
- Never exceed the vehicle capacity weight.

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

### When replacing wheels

The wheels of your vehicle are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advance warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, tire pressure warning valves and transmitters must be installed.  
(→P.332)

## WARNING

### When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in a loss of handling control.
  - Never use an inner tube in a leaking wheel which is designed for a tubeless tire.
- Doing so may result in an accident, causing death or serious injury.

### When installing the wheel nuts

Never use oil or grease on the wheel bolts or wheel nuts. Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

### Use of defective wheels prohibited

Do not use cracked or deformed wheels. Doing so could cause the tire to leak air during driving, possibly causing an accident.

6

Maintenance and care

## NOTICE

### Replacing tire pressure warning valves and transmitters

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by your Toyota dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at your Toyota dealer.

 **NOTICE**

- Ensure that only genuine Toyota wheels are used on your vehicle. Tire pressure warning valves and transmitters may not work properly with non-genuine wheels.

**Aluminum wheel precautions**

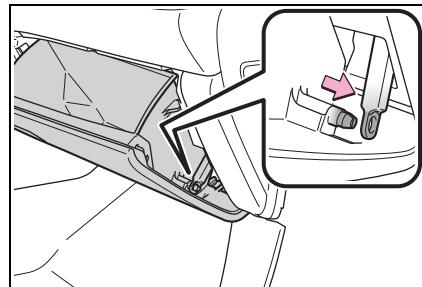
- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

**Air conditioning filter**

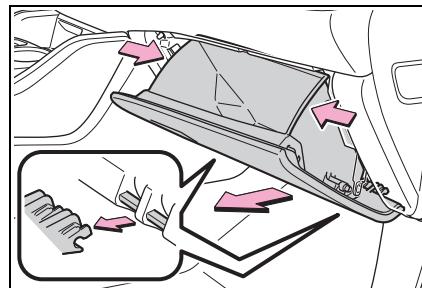
**The air conditioning filter must be changed regularly to maintain air conditioning efficiency.**

**Removing the air conditioning filter**

- 1 Turn the power switch off.
- 2 Open the glove box. Slide off the damper.

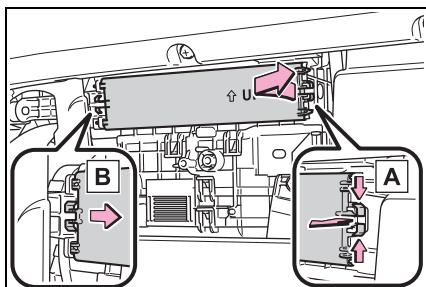


- 3 Push in the glove box on the vehicle's outer side to disconnect the claws. Then pull out the glove box and disconnect the lower claws.

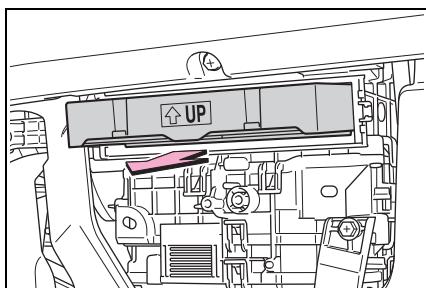


- 4 Unlock the filter cover (A), pull the filter cover out of the claws

(B), and remove the filter cover.

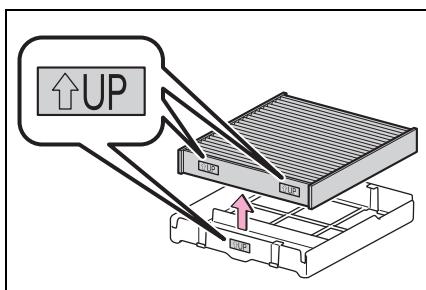


**5 Remove the filter case.**



**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. (→P.309)

**■ 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.

**6**

Maintenance and care

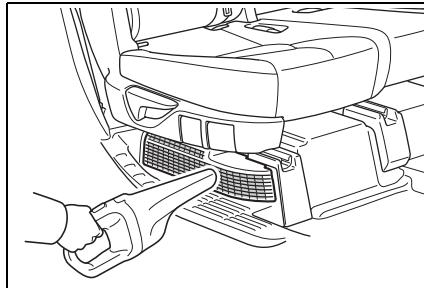
### Cleaning the hybrid battery (traction battery) air intake vents and filter

To prevent the fuel economy from being affected, visually inspect the hybrid battery (traction battery) air intake vents periodically for dust and clogs. If it is dusty or clogged or if "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" is shown on the multi-information display, clean the air intake vent using the following procedures:

#### Cleaning the air intake vents

Remove the dust from the air intake vent with a vacuum cleaner, etc.

Make sure to only use a vacuum to suck out dust and clogs. Attempting to blow out dust and clogs using an airgun, etc. may push it into the air intake vent. (→P.344)

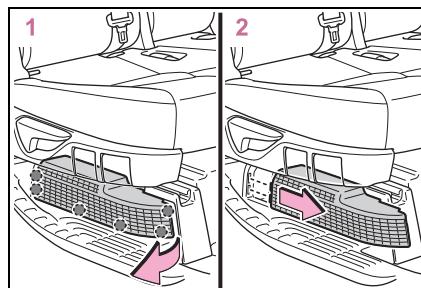


#### If dust and clogs cannot be completely removed

If dust and clogs cannot be completely removed with the air intake vent cover installed, remove the cover and clean the filter.

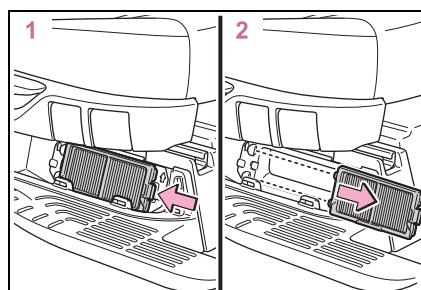
- 1 Turn the power switch off.
- 2 Remove the air intake vent cover.

Pull the cover as shown in the illustration to disengage the 6 claws, starting from the claw in the upper right corner and pull the cover toward the front of the vehicle to remove it.



- 3 Remove the air intake vent filter.

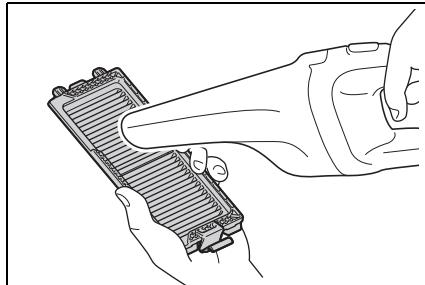
Disengage the claw to remove the filter from the rear scuff plate.



- 4 Remove the dust and clogs from the filter using a vacuum cleaner, etc.

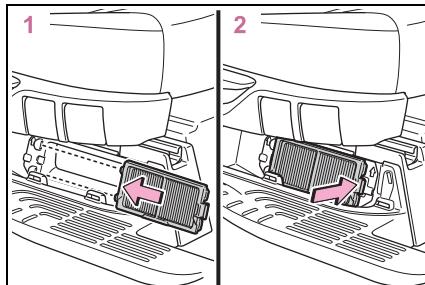
Make sure to also remove the dust and

clogs from the inside of the air intake vent cover.



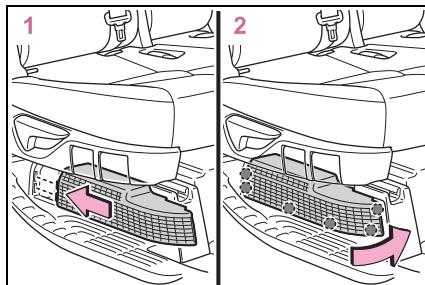
#### 5 Reinstall the filter to the cover.

Engage the 3 claw to install the filter. Make sure that the filter is not crooked or deformed when installing it.



#### 6 Install the air intake vent cover.

Insert the tab of the cover as shown in the illustration and push the cover to engage the 6 claws.



#### ■ Scheduled maintenance of the air intake vent is necessary when

In some situations such as when the vehicle is used frequently or in heavy

traffic or dusty areas, the air intake vent may need to be cleaned more regularly. For details, refer to the maintenance schedule. (→P.309)

#### ■ Cleaning the air intake vent

- Dust in the air intake vent may interfere with the cooling of the hybrid battery (traction battery). If charging/discharging of the hybrid battery (traction battery) becomes limited, the distance that the vehicle can be driven using the electric motor (traction motor) may be reduced. Inspect and clean the air intake vent periodically.
- Improper handling of the air intake vent cover and filter may result in damage to them. If you have any concerns about cleaning the filter, contact your Toyota dealer.

#### ■ If “Maintenance Required for Traction Battery Cooling Parts See Owner’s Manual” is shown on the multi-information display

- If this warning message is shown on the multi-information display, remove the air intake vent cover and clean the filter. (→P.342)
- After cleaning the air intake vent, start the hybrid system and check that the warning message is no longer shown. It may take approximately 20 minutes after the hybrid system is started until the warning message disappears. If the warning message does not disappear, have the vehicle inspected by your Toyota dealer.

**6**

Maintenance and care

#### ⚠ WARNING

#### ■ When cleaning the air intake vent

- Do not use water or other liquids to clean the air intake vent. If water is applied to the hybrid battery (traction battery) or other components, a malfunction or fire may occur.

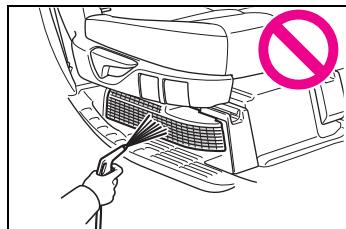
**⚠ WARNING**

- Before cleaning the air intake vent, make sure to turn the power switch off to stop the hybrid system.

**⚠ NOTICE**

**■ When cleaning the air intake vent**

When cleaning the air intake vent, make sure to only use a vacuum to suck out dust and clogs. If a compressed air blow gun, etc. is used to blow out dust and clogs, the dust or clogs may be pushed into the air intake vent, which may affect the performance of the hybrid battery (traction battery) and cause a malfunction.



**■ To prevent damage to the vehicle**

- Do not allow water or foreign matter to enter the air intake vent when the cover is removed.
- Carefully handle the removed filter so that it will not be damaged. If the filter is damaged, have it replaced with a new filter by your Toyota dealer.
- Make sure to reinstall the filter and cover to their original positions after cleaning.
- Do not install anything to the air intake vent other than the exclusive filter for this vehicle or use the vehicle without the filter installed.

**■ If “Maintenance Required for Traction Battery Cooling Parts See Owner’s Manual” is shown on the multi-information display**

If the vehicle is continuously driven with the warning message (indicating that charging/discharging of the hybrid battery (traction battery) may become limited) displayed, the hybrid battery (traction battery) may malfunction. If the warning message is displayed, clean the air intake vent immediately.

**Electronic key battery**

**Replace the battery with a new one if it is depleted.**

**If the electronic key battery is depleted**

The following symptoms may occur:

- The smart entry & start system and wireless remote control will not function properly.
- The operational range will be reduced.

**You will need the following items:**

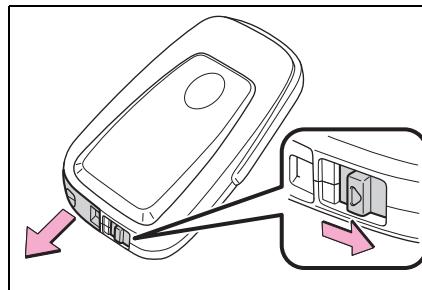
- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery CR2032

**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 the local laws.

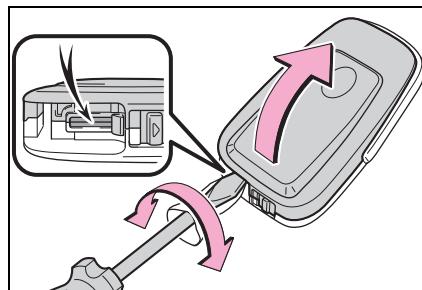
**Replacing the battery**

- 1 Release the lock and remove the mechanical key.



- 2 Remove the key cover.

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



- 3 Remove the depleted battery.

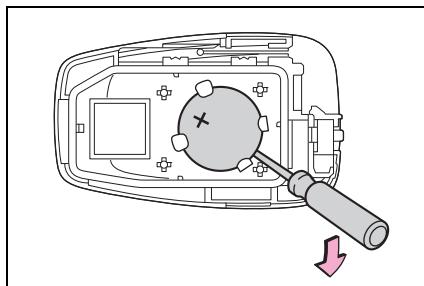
When removing the cover, the electronic key module may stick to the cover and the battery may not be visible. In this case, remove the electronic key module in order to remove the battery.

When removing the battery, use a screwdriver of an appropriate size. Insert a new battery with the "+" terminal facing up.

6

Maintenance and care

nal facing up.



#### **⚠ 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**

##### **■ For normal operation after replacing the battery**

Observe the following precautions to prevent accidents:

- Always work with dry hands. Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.
- Do not bend either of the battery terminals.

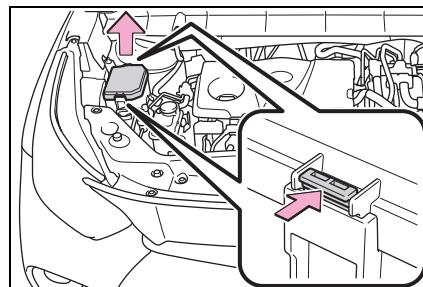
#### **Checking and replacing fuses**

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

#### **Checking and replacing fuses**

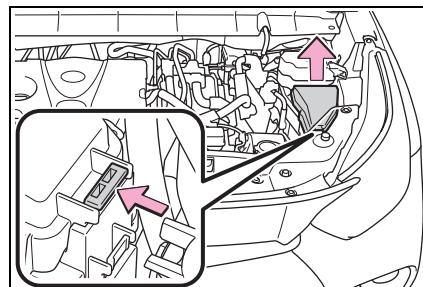
- 1 Turn the power switch off.
  - 2 Open the fuse box cover.
- Engine compartment: type A fuse box

Push the tab in and lift the lid off.



- Engine compartment: type B fuse box

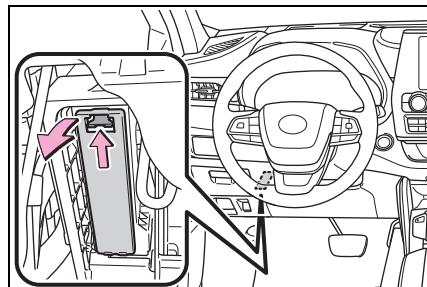
Push the tab in and lift the lid off.



- ▶ Under the driver's side instrument panel

Remove the lid.

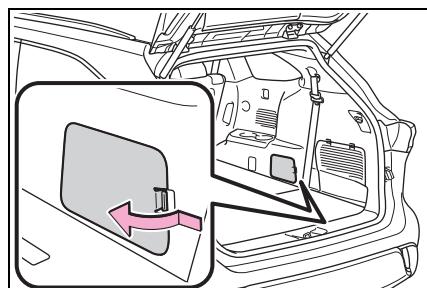
Make sure to push the claw when removing/installing the lid.



- ▶ Right side luggage compartment

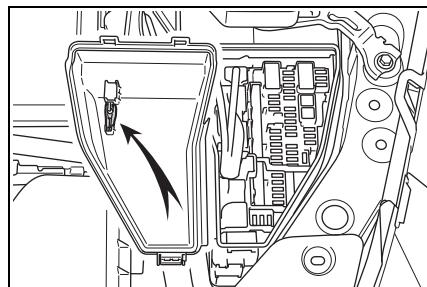
Folding down the third seats. (→P.129)

Disengage the claw and open the cover.



### 3 Remove the fuse.

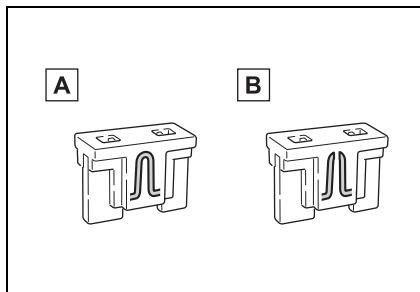
Only type A fuse can be removed using the pullout tool.



### 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.

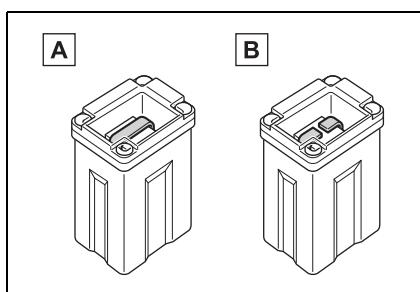
- ▶ Type A



**A** Normal fuse

**B** Blown fuse

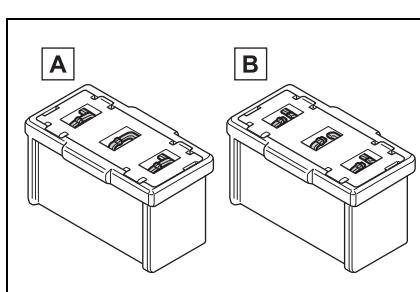
- ▶ Type B



**A** Normal fuse

**B** Blown fuse

- ▶ Type C



**A** Normal fuse

**6**

Maintenance and care

**B Blown fuse****■ After a fuse is replaced**

- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P.349)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

**■ If there is an overload in a circuit**

The fuses are designed to blow, protecting the wiring harness from damage.

**■ When replacing light bulbs**

Toyota recommends that you use genuine Toyota products designed for this vehicle. Because certain bulbs are connected to circuits designed to prevent overload, non-genuine parts or parts not designed for this vehicle may be unusable.

Doing so may cause electric shock, resulting in death or serious injury.

**NOTICE****■ Before replacing fuses**

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

**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.

**■ Fuse box near the power control unit**

Never check or replace the fuses as there are high voltage parts and wiring near the fuse box.

## Light bulbs

You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Toyota dealer.

For more information about replacing other light bulbs, contact your Toyota dealer.

### Preparing for light bulb replacement

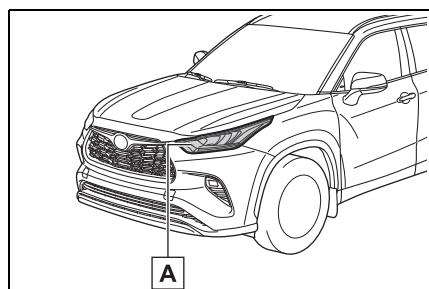
Check the wattage of the light bulb to be replaced. (→P.416)

### Turning off the power back door main switch (if equipped)

→P.422

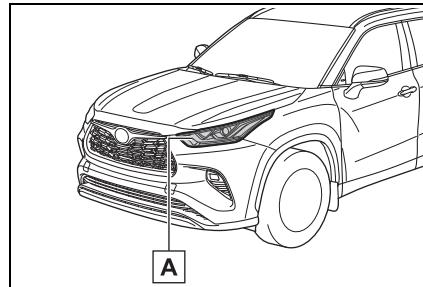
## Bulb locations

► Front (type A)



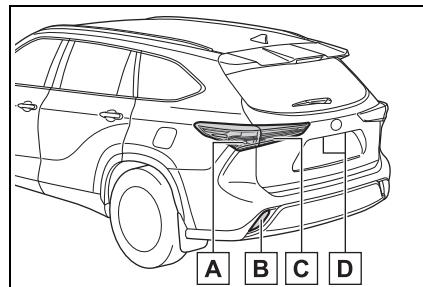
**A** Front turn signal lights

► Front (type B)



**A** Front turn signal lights

► Rear



**A** Rear turn signal lights

**B** Rear fog lights

**C** Back-up lights

**D** License plate lights

### ■ Lights that need to be replaced by your Toyota dealer

- Headlight low beams
- Headlight high beams
- Front position lights
- Daytime running lights (type A)
- Daytime running lights/front position lights (type B)
- Front fog lights
- Side turn signal lights
- Tail lights/stop lights

6

Maintenance and care

- Tail lights
- High mounted stoplight
- Outer foot lights (if equipped)

#### ■ LED lights

The lights other than the following lights each consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Toyota dealer to have the light replaced.

- Front turn signal lights
- Rear turn signal lights
- Rear fog lights
- Back-up lights
- License plate lights

#### ■ Condensation build-up on the inside of the lens

Temporary condensation build-up on the inside of the light lens does not indicate a malfunction. Contact your Toyota dealer for more information in the following situations:

- Large drops of water have built up on the inside of the lens.
- Water has built up inside the light.

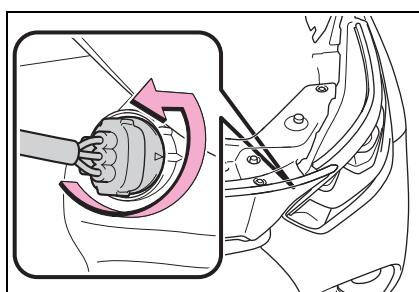
#### ■ When replacing light bulbs

→P.348

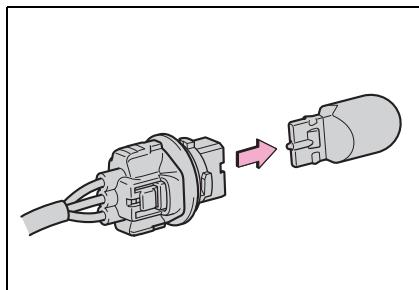
### Replacing light bulbs

#### ■ Front turn signal lights

- 1 Turn the bulb base counterclockwise and remove it.



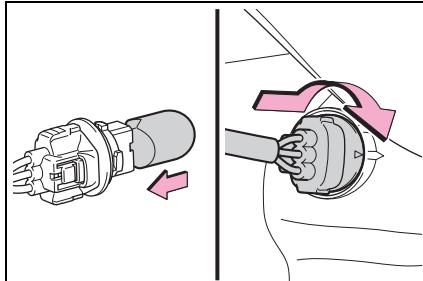
- 2 Remove the light bulb.



- 3 Install a new light bulb, and then install the bulb base to the light unit by inserting it and turning the bulb base clockwise.

After installing the bulb base, wiggle it lightly to make sure it is securely installed and turn the lights and turn signal lights on to visually check that there is no light leaking from between

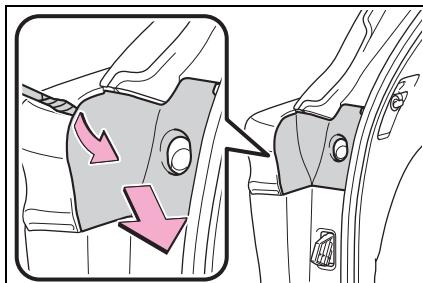
the bulb base and light unit.



#### ■ Rear turn signal lights

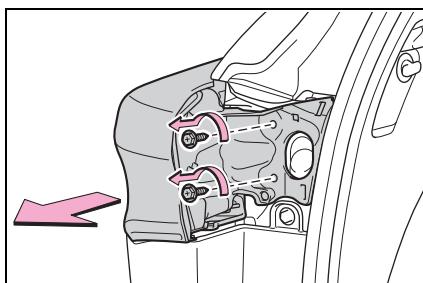
- 1 Open the back door and using a flathead screwdriver, remove the cover.

To prevent damage to the vehicle, wrap the tip of the flathead screwdriver with tape, etc.

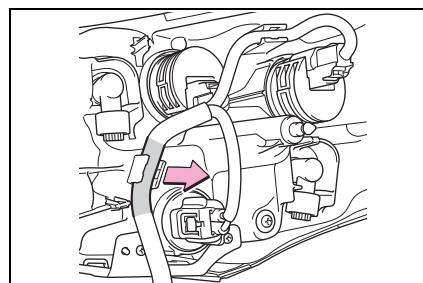


- 2 Remove the securing 2 screws and light unit.

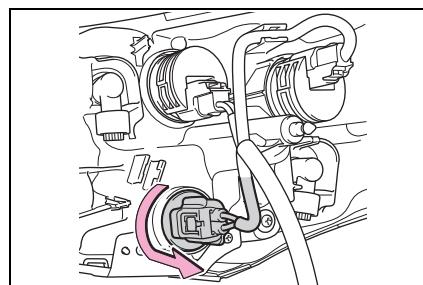
Remove the light unit by pulling it straight back from the rear of the vehicle.



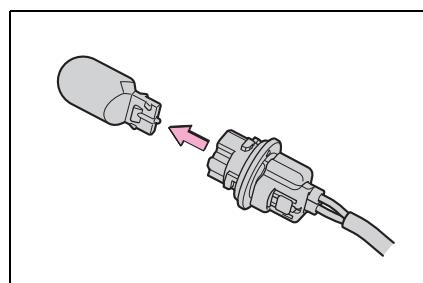
- 3 Disconnect the wire harness.



- 4 Turn the bulb base counterclockwise and remove it.



- 5 Remove the light bulb.



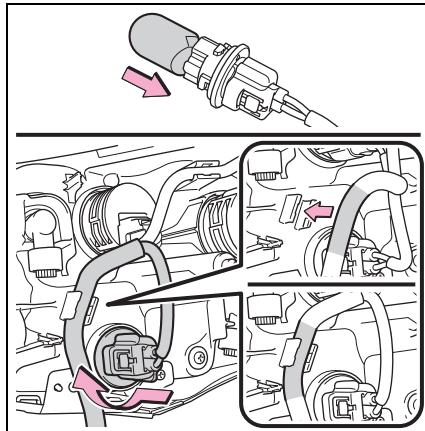
- 6 Install a new light bulb, and then install the bulb base to the light unit by inserting it and turning it clockwise.

After installing the bulb base, wiggle it lightly to make sure it is securely installed and turn on the turn signal lights to visually check that there is no light leaking from between the bulb

**6**

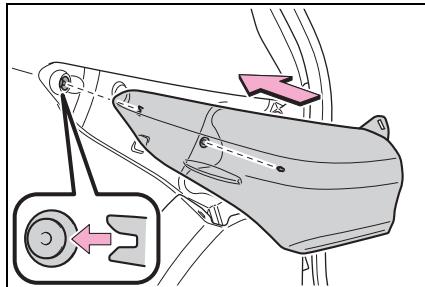
Maintenance and care

base and light unit.

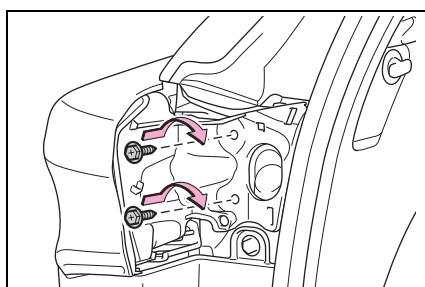


#### 7 Install the light unit.

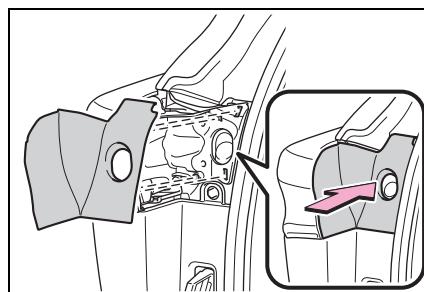
Align the 2 guides and push the light unit toward the front of the vehicle to install it.



#### 8 Install the 2 screws.



#### 9 Install the cover.

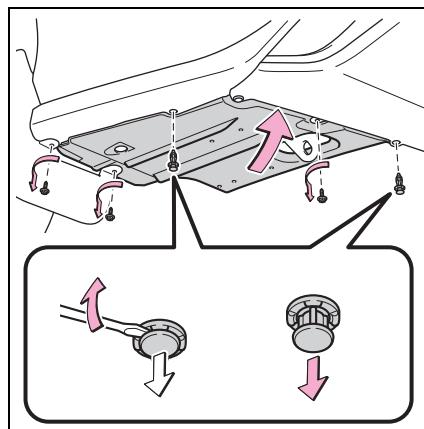


#### ■ Rear fog lights

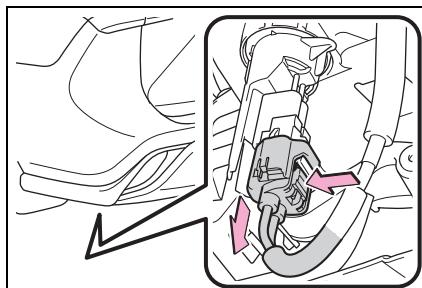
##### ► For the left side

- 1 Remove the 3 screws and 2 clips, and push up the under cover.

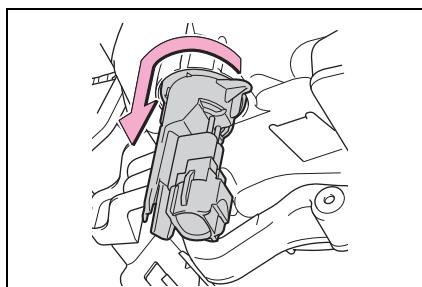
When removing a clip, use a flathead screwdriver to pry the center portion out and then remove the whole clip.



- 2** While pressing the lock release, disconnect the connector.



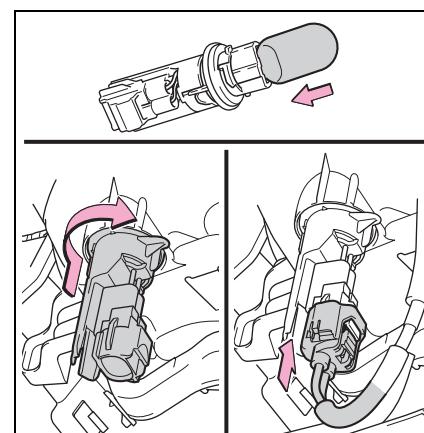
- 3** Turn the bulb base counterclockwise and remove it.



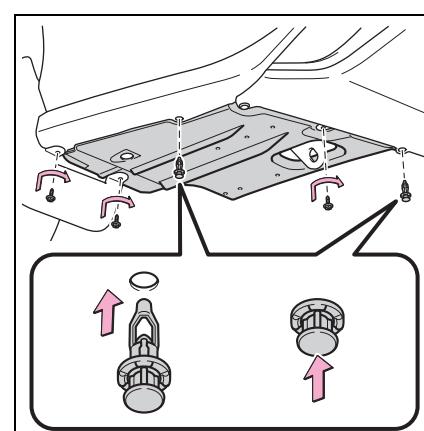
- 4** Install a new light bulb, and then install the bulb base to the light unit by inserting it and turning it clockwise and Install the connector.

After installing the bulb base and connecting the connector, wiggle them lightly to make sure they are securely installed and turn the lights on to visually check that there is no light leaking from between the bulb base and light

unit.



- 5** Install the under cover with the 3 screws and 2 clips.



**6**

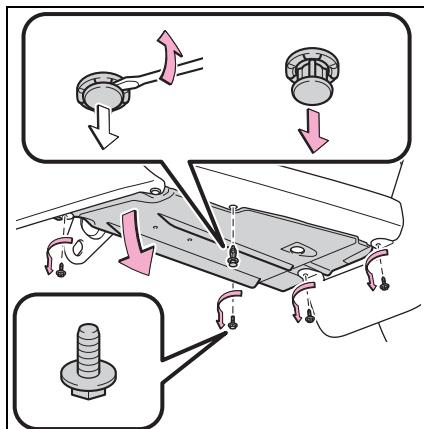
Maintenance and care

► For the right side

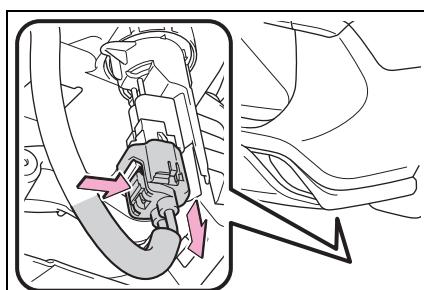
- 1** Remove the 3 screws, 1 bolt and 1 clip, and pull down the under cover.

When removing a clip, use a flathead screwdriver to pry the center portion out

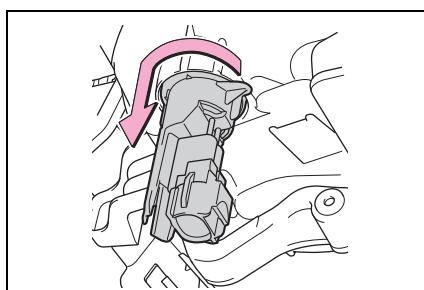
and then remove the whole clip.



- 2** While pressing the lock release, disconnect the connector.



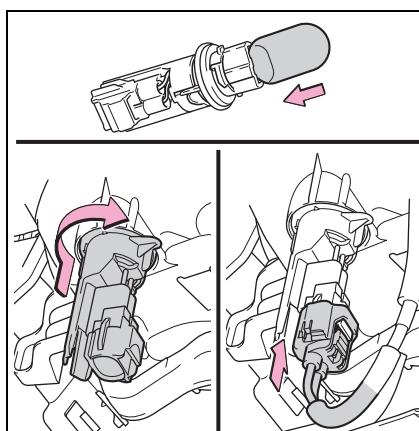
- 3** Turn the bulb base counterclockwise and remove it.



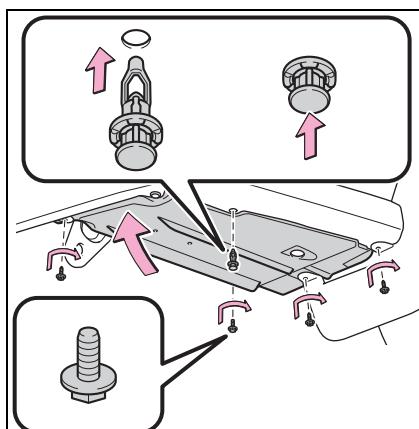
- 4** Install a new light bulb, and then install the bulb base to the light unit by inserting it and turning it

clockwise and Install the connector.

After installing the bulb base and connecting the connector, wiggle them lightly to make sure they are securely installed and turn the lights on to visually check that there is no light leaking from between the bulb base and light unit.



- 5** Install the under cover with the 3 screws, 1 bolt and 1 clip.



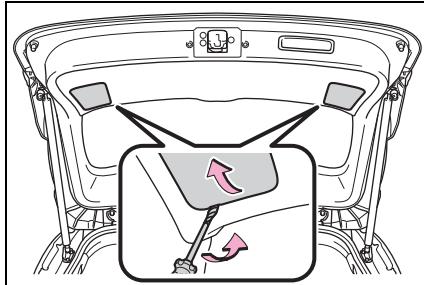
#### ■ Back-up lights

- 1** Open the back door and remove the cover.

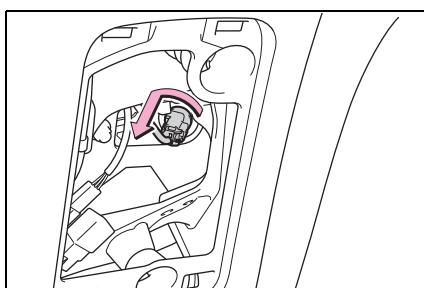
Using a flathead screwdriver, remove

the cover.

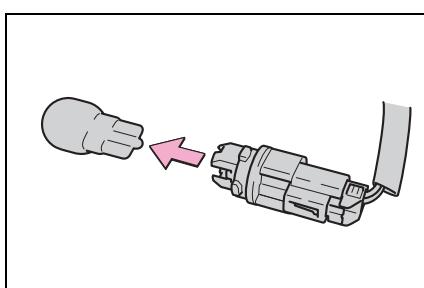
To prevent damage to the vehicle, wrap the tip of the flathead screwdriver with tape, etc.



- 2** Turn the bulb base counterclockwise and remove it.



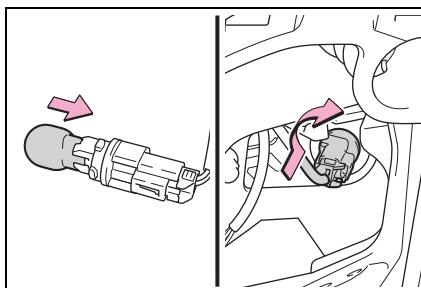
- 3** Remove the light bulb.



- 4** Install a new light bulb, and then install the bulb base to the light unit by inserting it and turning it clockwise.

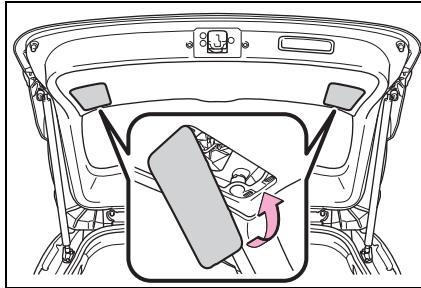
After installing the bulb base, wiggle it lightly to make sure it is securely installed and turn on the back-up lights

to visually check that there is no light leaking from between the bulb base and light unit.



- 5** Install the cover.

Align the tabs of the cover with the grooves and install the cover.



### ■ License plate lights

- 1** Remove the cover.

Using a flathead screwdriver, remove the cover.

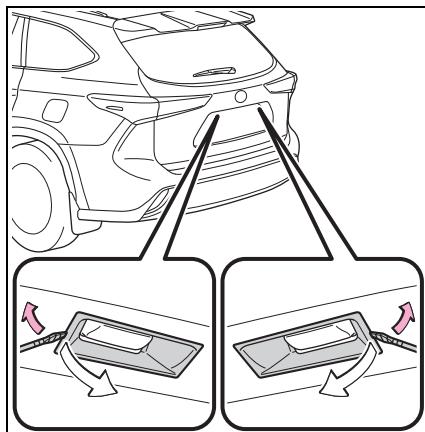
To prevent damage to the vehicle, wrap the tip of the flathead screwdriver with

**6**

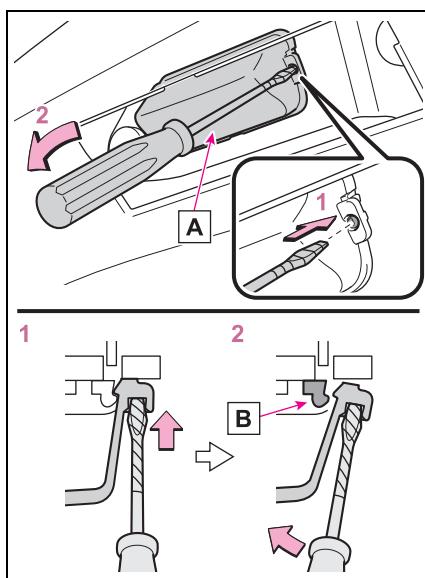
Maintenance and care

## 356 6-3. Do-it-yourself maintenance

tape, etc.



2 Remove the lens.



A Lens

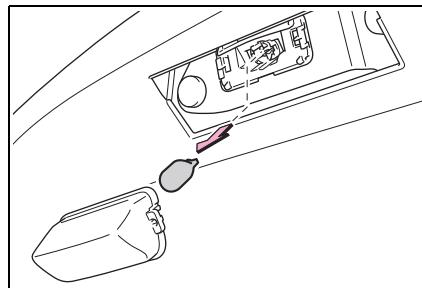
B Hook

- 1 Insert a small flathead screwdriver, etc. into either the right or left hole of the lens.
- 2 Push the screwdriver sideways in the direction of the arrow

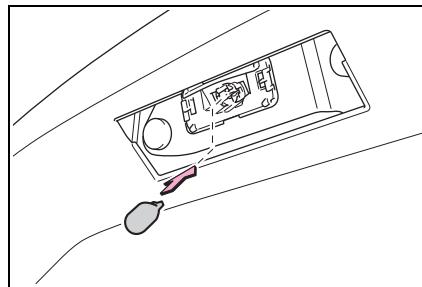
shown in the illustration, disengage the hook, and then remove the lens.

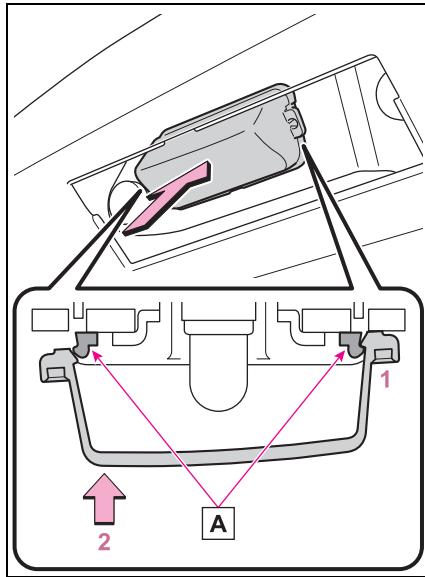
To prevent damage to the vehicle, wrap the tip of the screwdriver with tape, etc.

### 3 Remove the light bulb.



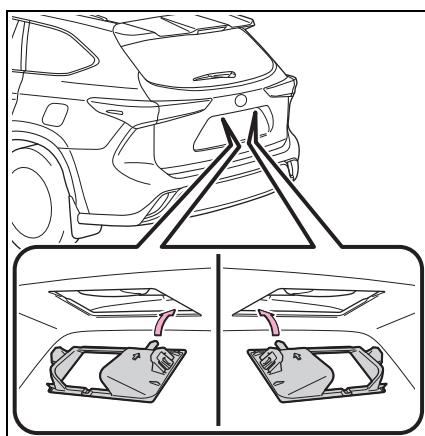
### 4 Install a new light bulb.



**5** Install the lens.**A** Hooks

- 1** Fit the lens into either the right or left hooks.
- 2** Push the lens into place.

After installation, confirm that the lens is properly installed by gently pulling it.

**6** Install the cover.
**WARNING**
**To prevent injury**

Before performing any light bulb replacement procedure, be sure to turn the power switch off. Failure to do so may result in burns from hot components or a part of your body may get caught on an operating component, possibly causing serious injury.

**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.
- Do not attempt to repair or disassemble light bulbs, connectors, electric circuits or component parts. Doing so may result in death or serious injury due to electric shock.

**To prevent damage or fire**

- Make sure bulbs are fully seated and locked.
- Check the wattage of the bulb before installing to prevent heat damage.



**When trouble arises****7-1. Essential information**

Emergency flashers .....	360
If your vehicle has to be stopped in an emergency .....	360
If the vehicle is trapped in rising water.....	361

**7-2. Steps to take in an emer-  
gency**

If your vehicle needs to be towed .....	363
If you think something is wrong .....	367
If a warning light turns on or a warning buzzer sounds... <td>369</td>	369
If a warning message is dis- played.....	377
If you have a flat tire .....	381
If the hybrid system will not start .....	392
If you lose your keys.....	394
If the fuel filler door cannot be opened .....	394
If the electronic key does not operate properly .....	395
If the 12-volt battery is dis- charged .....	397
If your vehicle overheats... <td>403</td>	403
If the vehicle becomes stuck .....	406

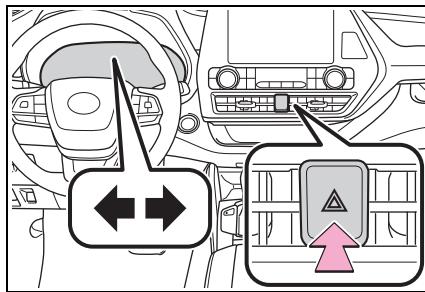
### Emergency flashers

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 hybrid system is not operating (while the "READY" indicator is not illuminated), the 12-volt battery may discharge.
- If any of the SRS airbags deploy (inflate) or in the event of a strong rear impact, the emergency flashers will turn on automatically.  
The emergency flashers will turn off automatically after operating for approximately 20 minutes. To manually turn the emergency flashers off, press the switch twice.  
(The emergency flashers may not turn on automatically depending on the force of the impact and conditions of the collision.)

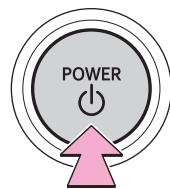
### If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

### 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 hybrid system.
  - ▶ If the shift lever cannot be shifted to N
  - 3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.
  - 4 To stop the hybrid system, press and hold the power switch for 2 consecutive seconds or more,

or press it briefly 3 times or more in succession.



- 5 Stop the vehicle in a safe place by the road.

**⚠ WARNING**

**■ If the hybrid system has to be turned off while driving**

Power assist for the steering wheel will be lost, making the steering wheel heavier to turn. Decelerate as much as possible before turning off the hybrid system.

**If the vehicle is trapped in rising water**

In the event the vehicle is submerged in water, remain calm and perform the following.

- Remove the seat belt first.
- If the door can be opened, open the door and exit the vehicle.
- If the door 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.

**⚠ WARNING****■ 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.**

**If towing your vehicle with a wheel-lift type truck from the front, the vehicle's rear wheels and axles must be in good conditions. (→P.364)**

**If they are damaged, use a towing dolly or flatbed truck.**

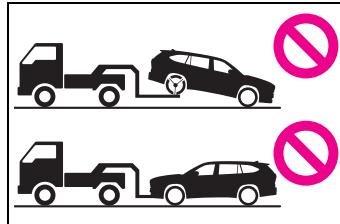
#### **WARNING**

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

#### When towing the vehicle

##### ► 2WD models

Be sure to transport the vehicle with the front wheels raised or with all four wheels raised off the ground. If the vehicle is towed with the front wheels contacting the ground, the drivetrain and related parts may be damaged or electricity generated by the operation of the motor may cause a fire to occur depending on the nature of the damage or malfunction.

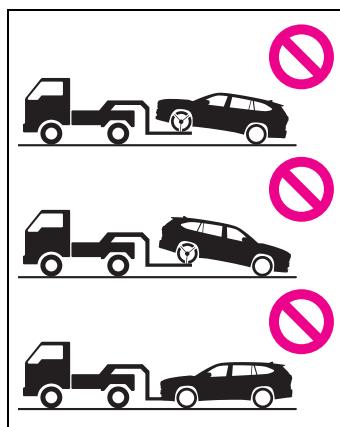


##### ► AWD models

Be sure to transport the vehicle with all four wheels raised off the ground. If the vehicle is towed with the tires contacting the ground, the drivetrain or related parts may be damaged, the vehicle may fly off the truck, or electricity generated by the operation of the motor may cause a fire to occur depending on the nature of the damage or malfunction.

7

When trouble arises



### **WARNING**

#### ■ **While towing**

- When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing eyelets, cables or chains. The towing eyelets, cables or chains may become damaged, broken debris may hit people, and cause serious damage.
- Do not turn the power switch off. There is a possibility that the steering wheel is locked and cannot be operated.

#### ■ **Installing towing eyelets to the vehicle**

Make sure that towing eyelets are installed securely. If not securely installed, towing eyelets may come loose during towing.

#### ■ **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 hybrid system warning message is shown on the multi-information display and the vehicle does not move.
- The vehicle makes an abnormal sound.

### **NOTICE**

#### ■ **To prevent damage to the vehicle when towing using a wheel-lift type truck**

- Do not tow the vehicle from the rear when the power switch is off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

#### ■ **To prevent damage to the vehicle when towing with a sling-type truck**

Do not tow with a sling-type truck, either from the front or rear.

### **Towing with a wheel-lift type truck**

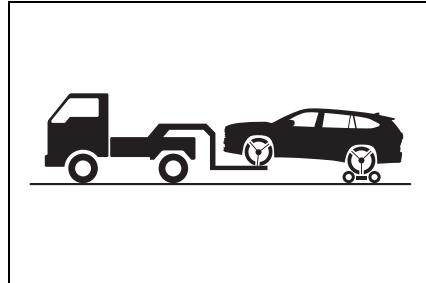
- ▶ From the front (2WD models)



Release the parking brake.

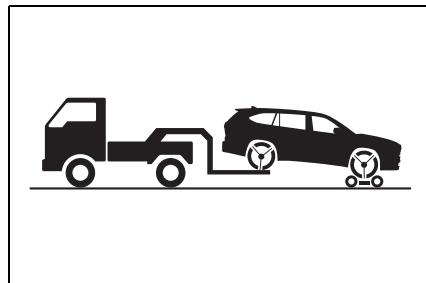
Turn automatic mode off. (→P.170)

## ► From the front (AWD models)



Use a towing dolly under the rear wheels.

## ► From the rear

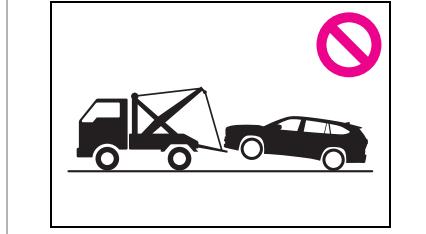


Use a towing dolly under the front wheels.

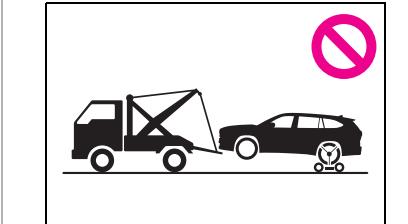
**⚠ NOTICE**
**■ Towing with a sling-type truck**

Do not tow with a sling-type truck to prevent body damage.

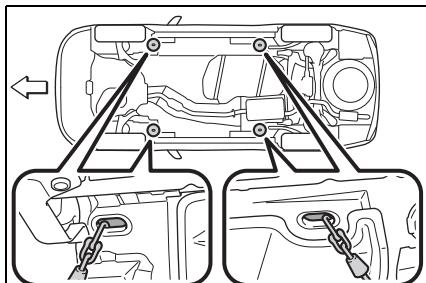
## ► 2WD models



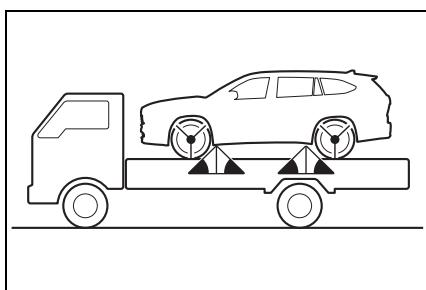
## ► AWD models


**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°.



7

When trouble arises

 **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 short distances at under 30 km/h (18 mph).

A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.

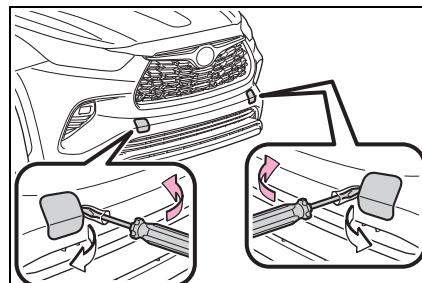
**Emergency towing procedure**

To have your vehicle towed by another vehicle, the towing eyelet must be installed to your vehicle. Install the towing eyelet using the following procedure.

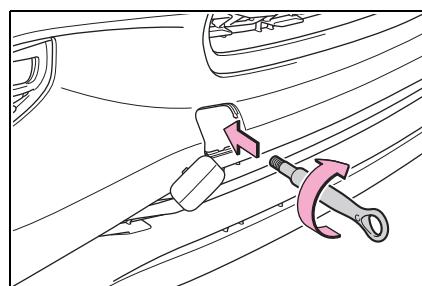
- 1 Take out the towing eyelet.  
(→P.382)
- 2 Remove the eyelet cover using a flathead screwdriver.

To protect the bodywork, place a rag between the screwdriver and the vehi-

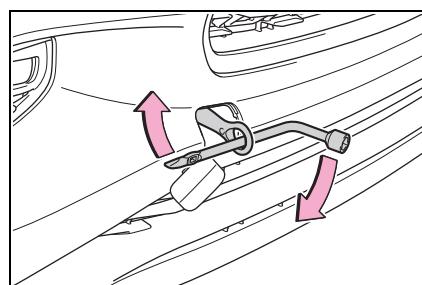
cle body as shown in the illustration.



- 3 Insert the towing eyelet into the hole and tighten partially by hand.



- 4 Tighten down the towing eyelet securely using a wheel nut wrench or hard metal bar.



- 5 Securely attach cables or chains to the towing eyelet.

Take care not to damage the vehicle body.

- 6 Enter the vehicle being towed and start the hybrid system.

If the hybrid system does not start, turn the power switch to ON.

**7 Shift the shift lever to N and release the parking brake.**

Turn automatic mode off. (→P.170)

When the shift lever cannot be shifted:  
→P.167

**■ While towing**

If the hybrid system is off, the power assist for the brakes and steering will not function, making steering and braking more difficult.

**■ Wheel nut wrench**

Wheel nut wrench is installed in luggage compartment. (→P.382)

**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 hybrid system

7

When trouble arises

**Operational symptoms**

- Engine missing, stumbling or running roughly
- Appreciable loss of power
- Vehicle pulls heavily to one side when braking

**368**    7-2. Steps to take in an emergency

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- Vehicle pulls heavily to one side when driving on a level road
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

**If a warning light turns on or a warning buzzer sounds**

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Toyota dealer.

**Actions to the warning lights or warning buzzers****■ Brake system warning light**

Warning light	Details/Actions
 (red)	Indicates that: <ul style="list-style-type: none"><li>● The brake fluid level is low; or</li><li>● The brake system is malfunctioning</li></ul> → <b>Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.</b>

**■ Brake system warning light**

Warning light	Details/Actions
 (yellow)	Indicates a malfunction in: <ul style="list-style-type: none"><li>● The regenerative braking system;</li><li>● The electronically controlled brake system; or</li><li>● The electric parking brake</li></ul> → <b>Have the vehicle inspected by your Toyota dealer immediately.</b>

**■ High coolant temperature warning light\* (warning buzzer)**

Warning light	Details/Actions
	Indicates that the engine coolant temperature is too high → <b>Immediately stop the vehicle in a safe place.</b> <b>Handling method (→P.403)</b>

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

## 370 7-2. Steps to take in an emergency

### ■ Hybrid system overheat warning light\*(warning buzzer)

Warning light	Details/Actions
	Indicates the hybrid system has overheated → <b>Stop the vehicle in a safe place.</b> <b>Handling method (→P.404)</b>

\*: 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 → <b>Immediately stop the vehicle in a safe place and contact your Toyota dealer.</b>

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

### ■ Low engine oil pressure warning light\* (warning buzzer)

Warning light	Details/Actions
	Indicates that the engine oil pressure is too low → <b>Immediately stop the vehicle in a safe place and contact your Toyota dealer.</b>

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

### ■ Malfunction indicator lamp

Warning light	Details/Actions
	Indicates a malfunction in: ● The hybrid system; ● The electronic engine control system; or ● The electronic throttle control system; → <b>Immediately stop the vehicle in a safe place and contact your Toyota dealer.</b>

### ■ SRS warning light

Warning light	Details/Actions
	Indicates a malfunction in: ● The SRS airbag system; or ● The seat belt pretensioner system → <b>Have the vehicle inspected by your Toyota dealer immediately.</b>

### ■ ABS warning light

Warning light	Details/Actions
	<p>Indicates a malfunction in:</p> <ul style="list-style-type: none"> <li>● The ABS; or</li> <li>● The brake assist system</li> </ul> <p>→ <b>Have the vehicle inspected by your Toyota dealer immediately.</b></p>

### ■ Brake Override System warning light/Drive-Start Control warning light\* (warning buzzer)

Warning light	Details/Actions
	<p>When a buzzer sounds:</p> <ul style="list-style-type: none"> <li>● Brake Override System is malfunctioning;</li> <li>● Drive-Start Control is operating; or</li> <li>● Drive-Start Control is malfunctioning</li> </ul> <p>→ <b>Follow the instructions displayed on the multi-information display.</b></p> <p>When a buzzer does not sound:</p> <p>Brake Override System is operating</p> <p>→ <b>Release the accelerator pedal and depress the brake pedal.</b></p>

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

### ■ Electric power steering system warning light (warning buzzer)

Warning light	Details/Actions
 (red/yellow)	<p>Indicates a malfunction in the EPS (Electric Power Steering) system</p> <p>→ <b>Have the vehicle inspected by your Toyota dealer immediately.</b></p>

### ■ Low fuel level warning light

Warning light	Details/Actions
	<p>Indicates that remaining fuel is approximately 9.7 L (2.6 gal., 2.1 Imp. gal.) or less</p> <p>→ <b>Refuel the vehicle.</b></p>

7

When trouble arises

## 372 7-2. Steps to take in an emergency

### ■ Driver's and front passenger's seat belt reminder light (warning buzzer)\*

Warning light	Details/Actions
	<p>Warns the driver and/or front passenger to fasten their seat belts  → <b>Fasten the seat belt.</b></p> <p><b>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.</b></p>

\*: Driver's seat belt warning buzzer:

The driver's seat belt warning buzzer sounds to alert the driver that his or her seat belt is not fastened. Once the power switch is turned to ON, the buzzer sounds. If the seat belt is still unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

Front passenger's seat belt warning buzzer:

The front passenger's seat belt warning buzzer sounds to alert the front passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

### ■ Tire pressure warning light

Warning light	Details/Actions
	<p>When the light comes on after blinking for approximately 1 minute:  Malfunction in the tire pressure warning system  → <b>Have the system checked by your Toyota dealer.</b></p> <p>When the light comes on:  Low tire inflation pressure such as  ● Natural causes  ● Flat tire  → <b>Immediately stop the vehicle in a safe place.</b>  <b>Handling method (→P.375)</b></p>

### ■ LTA indicator/LDA indicator\* (warning buzzer)

Warning light	Details/Actions
 (orange) (if equipped)	<p>Indicates a malfunction in the LTA (Lane Tracing Assist)/LDA (Lane Departure Alert with steering control)  → <b>Follow the instructions displayed on the multi-information display. (→P.209, 217)</b></p>

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

### ■ Toyota parking assist-sensor OFF indicator (warning buzzer)

Warning light	Details/Actions
 (flashes) (if equipped)	<p>Indicates a malfunction in the Toyota parking assist-sensor function</p> <p>→ <b>Have the vehicle inspected by your Toyota dealer immediately.</b></p> <p>Indicates that the system is temporarily unavailable, possibly due to a sensor being dirty or covered with ice, etc.</p> <p>→ <b>Follow the instructions displayed on the multi-information display. (→P.246)</b></p>

### ■ RCTA OFF indicator\* (warning buzzer)

Warning light	Details/Actions
 (flashes) (if equipped)	<p>When a buzzer sounds:</p> <p>Indicates a malfunction in the RCTA (Rear Cross Traffic Alert) function</p> <p>→ <b>Have the vehicle inspected by your Toyota dealer immediately.</b></p> <p>When a buzzer does not sound:</p> <p>Indicates that the rear bumper around the radar sensor is covered with dirt, etc. (→P.240)</p> <p>→ <b>Follow the instructions displayed on the multi-information display. (→P.252)</b></p>

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

7

When trouble arises

## 374 7-2. Steps to take in an emergency

### ■ PCS warning light

Warning light	Details/Actions
 (flashes or illuminates) (if equipped)	<p>When a buzzer sounds simultaneously: Indicates a malfunction has occurred in the PCS (Pre-Collision System).</p> <p>→ <b>Have the vehicle inspected by your Toyota dealer immediately.</b></p> <p>When a buzzer does not sound: The PCS (Pre-Collision System) has become temporarily unavailable, corrective action may be necessary.</p> <p>→ <b>Follow the instructions displayed on the multi-information display. (→P.187, 379)</b></p> <p>If the PCS (Pre-Collision System) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate.</p> <p>→ <b>P.200</b></p>

### ■ Slip indicator

Warning light	Details/Actions
	<p>When the warning light is illuminated: Indicates a malfunction in:</p> <ul style="list-style-type: none"> <li>● The VSC system;</li> <li>● The TRC system; or</li> <li>● The hill-start assist control system</li> </ul> <p>→ <b>Have the vehicle inspected by your Toyota dealer immediately.</b></p> <p>When the warning light flashes: Indicates that the ABS, VSC or TRC system is operating</p>

### ■ Parking brake indicator (warning buzzer)\*

Warning light	Details/Actions
 (flashes)	<p>It is possible that the parking brake is not fully engaged or released</p> <p>→ <b>Operate the parking brake switch once again.</b></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>

\*: A buzzer will sound if the vehicle is driven at a speed of approximately 5 km/h (3

mph) or more.

#### ■ Brake hold operated indicator

Warning light	Details/Actions
	Indicates a malfunction in the brake hold system → <b>Have the vehicle inspected by your Toyota dealer immediately.</b>

#### ■ Speed warning light (warning buzzer)\*

Warning light	Details/Actions
	Indicates that your vehicle speed reaches 120 km/h (75 mph). → <b>Reduce vehicle speed.</b>

\* : The speed warning buzzer will sound if your vehicle speed reaches or exceeds 120 km/h (75 mph) and will stop sounding after 6 seconds or if you decelerate below 120 km/h (75 mph).

#### ■ 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 12-volt battery charge becomes insufficient or the voltage temporarily drops, the electric power steering system warning light may come on and the warning buzzer may sound.

#### ■ When the tire pressure warning light comes on

Inspect the tires to check if a tire is punctured.

If a tire is punctured: →P.381

If none of the tires are punctured: Turn the power switch off then turn it to ON. Check if the tire pressure warning light comes on or blinks.

► If the tire pressure warning light blinks for 1 minute then stays on

There may be a malfunction in the tire pressure warning system. Have the vehicle inspected by your Toyota dealer immediately.

► If the tire pressure warning light comes on

- 1 After the temperature of the tires has lowered sufficiently, check the inflation pressure of each tire and adjust them to the specified level.

7

When trouble arises

## 376 7-2. Steps to take in an emergency

- 2 If the warning light does not turn off even after several minutes have elapsed, check that the inflation pressure of each tire is at the specified level and perform initialization. (→P.333)

If the warning light does not turn off several minutes after the initialization has been performed, have the vehicle inspected by your Toyota dealer immediately.

### ■ The tire pressure warning light may come on due to natural causes

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

### ■ When a tire is replaced with a spare tire

The spare tire is also equipped with a tire pressure warning valve and transmitter. The tire pressure warning light will turn on if the tire inflation pressure of the spare tire is low. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire has been replaced with the spare tire. Replace the spare tire with the repaired tire and adjust the tire inflation pressure. The tire pressure warning light will go off after a few minutes.

### ■ Conditions that the tire pressure warning system may not function properly

→P.330

### ⚠ WARNING

#### ■ If both the ABS and the brake system warning lights remain on

Stop your vehicle in a safe place immediately and contact your Toyota dealer.

The vehicle will become extremely unstable during braking, and the ABS system may fail, which could cause an accident resulting in death or serious injury.

#### ■ When the electric power steering system warning light comes on

When the light comes on yellow, the assist to the power steering is restricted. When the light comes on red, the assist to the power steering is lost and handling operations of the steering wheel become extremely heavy.

When steering wheel operations are heavier than usual, grip the steering wheel firmly and operate it using more force than usual.

#### ■ If the tire pressure warning light comes on

Be sure to observe the following precautions.

Failure to do so could cause a loss of vehicle control and result in death or serious injury.

● Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.

● Avoid abrupt maneuvering and braking.  
If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

#### ■ If a blowout or sudden air leakage should occur

The tire pressure warning system may not activate immediately.

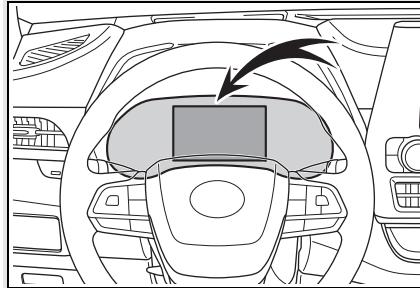
 **NOTICE**

**■ To ensure the tire pressure warning system operates properly**

Do not install tires with different specifications or makers, as the tire pressure warning system may not operate properly.

**If a warning message is displayed**

The multi-information display shows warnings of system malfunctions, incorrectly performed operations, and messages that indicate a need for maintenance. When a message is shown, perform the correction procedure appropriate to the message.



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.369)

If a warning message is displayed again after the appropriate actions have been performed, contact your Toyota dealer.

7

When trouble arises

### Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected by your Toyota dealer immediately.

Warning light	Warning buzzer*	Warning
-	Sounds	<ul style="list-style-type: none"> <li>Indicates an important situation, such as when a system related to driving is malfunctioning or that danger may result if the correction procedure is not performed</li> <li>Indicates a situation, such as when damage to the vehicle or danger may result</li> </ul>
Comes on or flashes	Sounds	Indicates an important situation, such as when the systems shown on the multi-information display may be malfunctioning
-	Does not sound	<ul style="list-style-type: none"> <li>Indicates a condition, such as malfunction of electrical components, their condition, or indicates the need for maintenance</li> <li>Indicates a situation, such as when an operation has been performed incorrectly, or indicates how to perform an operation correctly</li> </ul>

\*: A buzzer sounds the first time a message is shown on the multi-information display.

#### ■ Warning messages

The warning messages explained below may differ from the actual messages according to operation conditions and vehicle specifications.

#### ■ Warning buzzer

In some cases, the buzzer may not be heard due to being in a noisy location or audio sound.

#### ■ 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 "Hybrid System Stopped Steering Power Low" is displayed

This message is displayed if the hybrid system 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 "Hybrid System Overheated Output Power Reduced" is displayed

This message may be displayed when driving under severe operating conditions. (For example, when driving up a long steep hill.)

Handling method: →P.403

**■ If “Traction Battery Needs to be Protected Refrain from the Use of N Position” is displayed**

This message may be displayed when the shift lever is in N.

As the hybrid battery (traction battery) cannot be charged when the shift lever is in N, shift the shift lever to P when the vehicle is stopped.

**■ If “Traction Battery Needs to be Protected Shift into P to Restart” is displayed**

This message is displayed when the hybrid battery (traction battery) charge has become extremely low because the shift lever has been left in N for a certain amount of time.

When operating the vehicle, shift to P and restart the hybrid system.

**■ If “Shift to P Before Exiting Vehicle” or “Shift to P when Parked” is displayed**

This message is displayed when the driver's door is opened without turning the power switch off with the shift lever in any position other than P. Change the shift lever to P.

**■ If “Shift is in N Release Accelerator Before Shifting” is displayed**

The accelerator pedal has been depressed when the shift lever is in N. Release the accelerator pedal and shift the shift lever to D, S or R.

**■ If “Press Brake when Vehicle is Stopped Hybrid System may Overheat” is displayed**

The message may be displayed when the accelerator pedal is depressed to hold the vehicle while the vehicle is stopped on an incline, etc. The hybrid system may overheat. Release the accelerator pedal and depress the brake pedal.

**■ If “Auto Power OFF to Conserve Battery” is displayed**

Power was cut off due to the automatic power off function. Next time when start-

ing the hybrid system, operate the hybrid system for approximately 5 minutes to recharge the 12-volt 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.

- Automatic High Beam (if equipped)

**■ If “Radar Cruise Control Unavailable” is displayed (if equipped)**

The dynamic radar cruise control with full-speed range system or dynamic radar cruise control system cannot be used temporarily. Use the system when it becomes available again.

**■ If “Front Camera Unavailable” or “Front Camera Unavailable See Owner's Manual” is displayed**

The following systems may be suspended until the problem shown in the message is resolved. (→P.190, 374)

- PCS (Pre-Collision system) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- LDA (Lane Departure Alert with steering control) (if equipped)
- Automatic High Beam (if equipped)
- Dynamic radar cruise control with full-speed range (if equipped)
- Dynamic radar cruise control (if equipped)

**■ If “AWD System Overheated Switching to 2WD Mode” or “AWD System Overheated 2WD Mode Engaged” is displayed (AWD models)**

This message may be displayed when driving under extremely high load conditions.

Drive the vehicle at low speeds and stop the vehicle in a safe place with the engine running until the message is cleared.

If the message is not cleared, have the

7

When trouble arises

## 380 7-2. Steps to take in an emergency

vehicle inspected by your Toyota dealer.

### ■ If "Speed Limit Exceeded" is displayed

Indicates that vehicle speed has reached or exceeded 120 km/h (75 mph).

The buzzer will stop sounding after 6 seconds or if you decelerate below 120 km/h (75 mph). (The warning message will remain displayed.)

Reduce your vehicle speed.

### ■ If 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 any of the following messages are shown on the multi-information display, it may indicate a malfunction. Immediately stop the vehicle and contact your Toyota dealer.

- "Braking Power Low Stop in a Safe Place See Owner's Manual"
- "Oil Pressure Low Stop in a Safe Place See Owner's Manual"
- "Charging System Malfunction Stop in a Safe Place See Owner's Manual"
- "Hybrid System Stopped"
- "Engine Stopped"
- "Stop in a Safe Place See Owner's Manual"
- "Shift to P See Owner's Manual"

● If any of the following messages are shown on the multi-information display, it may indicate a malfunction. Have the vehicle inspected by your Toyota dealer immediately.

- "Hybrid System Malfunction"
- "Check Engine"
- "Hybrid Battery System Malfunction"
- "Accelerator System Malfunction"
- "Smart Entry & Start System Malfunction See Owner's Manual"

● If any of the following messages are

shown on the multi-information display, follow the instructions.

- "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" (→P.403)
- "Maintenance Required for Traction Battery Cooling Parts See Owner's Manual" (→P.403)

### 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 12-volt 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.328

**⚠ WARNING****If you have a flat tire**

Do not continue driving with a flat tire. Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

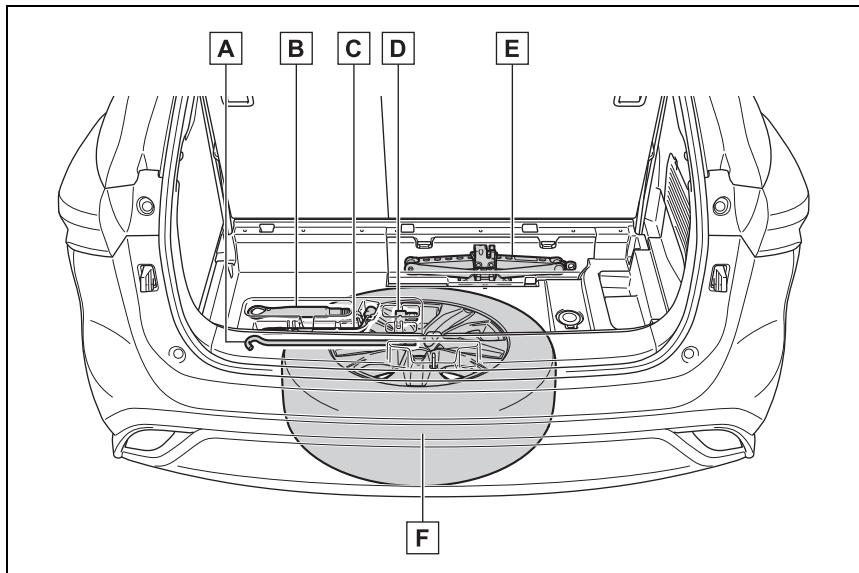
**Before jacking up the vehicle**

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the hybrid system.
- Turn on the emergency flashers. (→P.360)
- For vehicles with power back door: Turn off the power back door system. (→P.418)

7

When trouble arises

**Location of the spare tire, jack and tools**



- A** Jack handle
- B** Towing eyelet
- C** Wheel nut wrench
- D** Adapter socket
- E** Jack
- F** Spare tire

**WARNING**

**Using the tire jack**

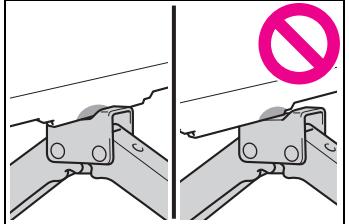
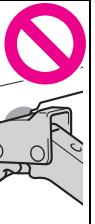
Observe the following precautions.  
Improper use of the tire jack may  
cause the vehicle to suddenly fall off  
the jack, leading to death or serious  
injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.

● Only use the tire jack that comes with this vehicle for replacing a flat tire.

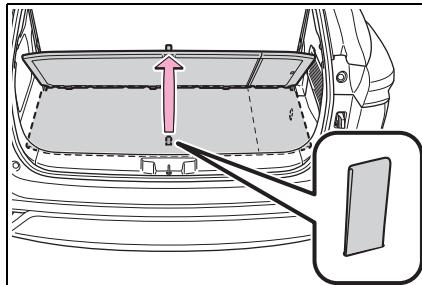
Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.

**⚠ WARNING**

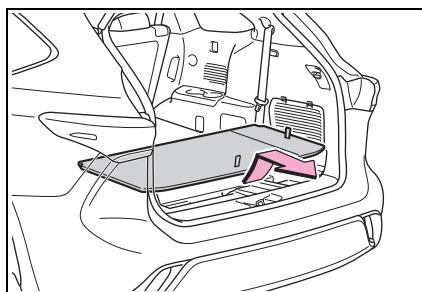
- Put the jack properly in its jack point.

- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start the hybrid system or drive the vehicle while the vehicle is supported by the jack.
- Do not raise the vehicle while someone is inside.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- When lowering the vehicle, make sure that there is no-one near the vehicle. If there are people nearby, warn them vocally before lowering.

**Taking out the jack**

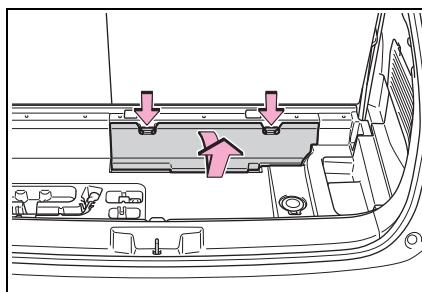
- 1 Pull the strap upwards and open the center deck board.



- 2 Remove the center deck board.



- 3 Remove the jack cover.

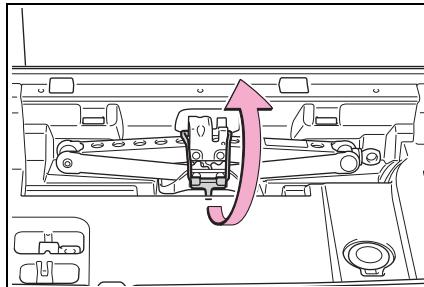


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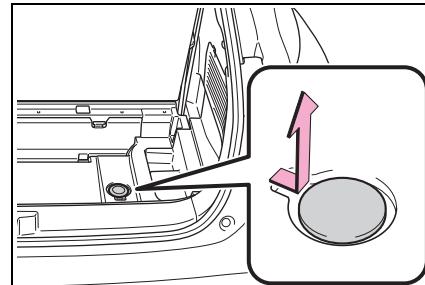
When trouble arises

## 384 7-2. Steps to take in an emergency

- 4 Remove the jack after removing the hook.



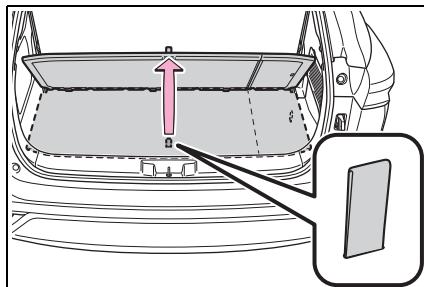
can use your key.



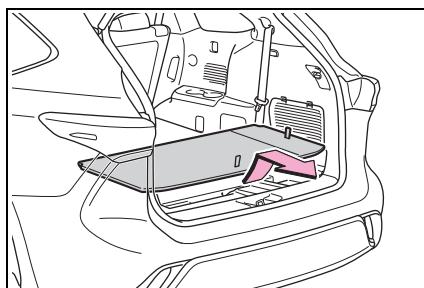
- 4 Attach the adapter socket to the spare tire clamp bolt.

### Taking out the spare tire

- 1 Pull the strap upwards and open the center deck board.

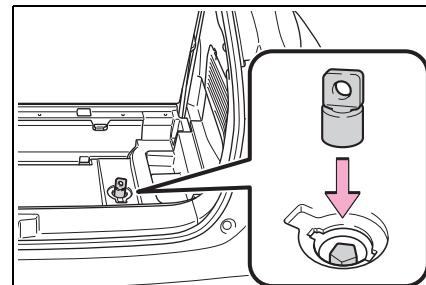


- 2 Remove the center deck board.



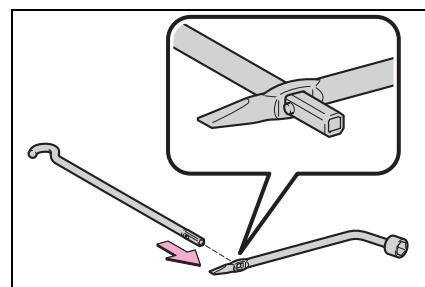
- 3 Remove the cover.

If it is difficult to remove the cover, you



- 5 Connect the jack handle extension to the jack handle.

Check that the extension is locked in place by the button.



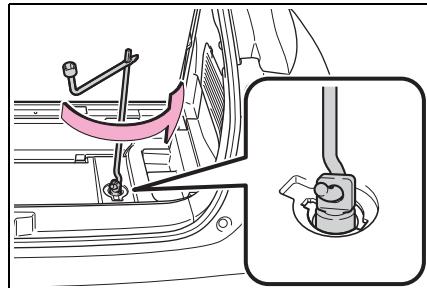
- 6 Connect the jack handle to the adapter socket. Turn the jack handle counterclockwise.

The tire will be lowered completely to the ground.

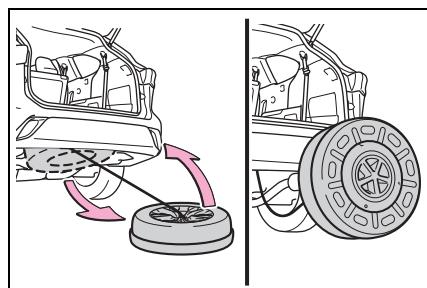
Turn the jack handle slowly to lower the spare tire. If the handle is turned

quickly, the wire cable may slip off of the shaft inside the unit and the tire may not be lowered.

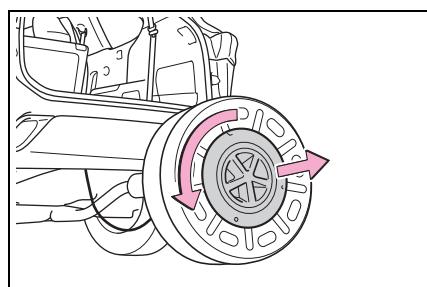
If the spare tire cannot be lowered:  
→P.387



- 7** Pull out the spare tire and stand it against the bumper.

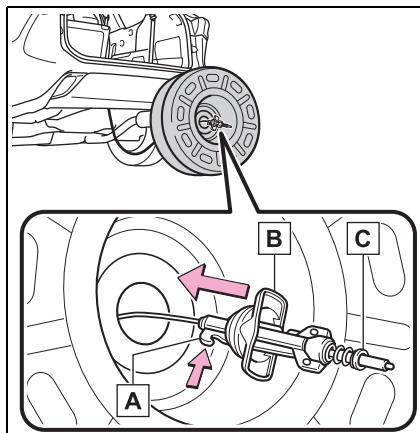


- 8** Remove the inside spare tire cover.

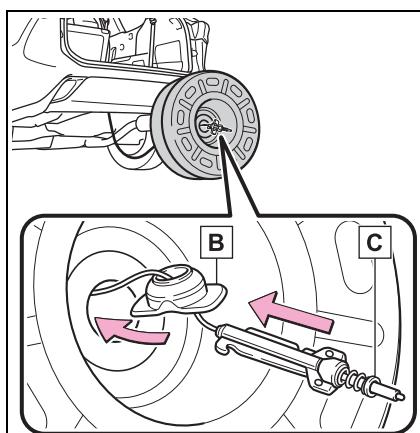


- 9** Fully depress the secondary latch **A** and remove the holding

bracket **B** from the hoist assembly **C**.



- 10** Tilt the holding bracket **B** so that it can easily be passed through the wheel opening. After passing the holding bracket through the wheel opening, remove the hoist assembly **C**.

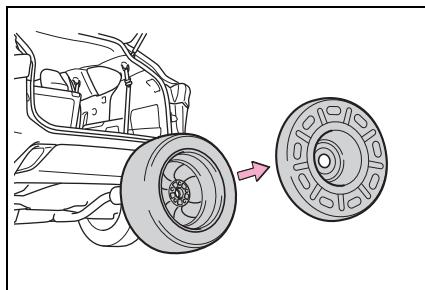


7

When trouble arises

## 386 7-2. Steps to take in an emergency

- 11** Remove the outside spare tire cover.



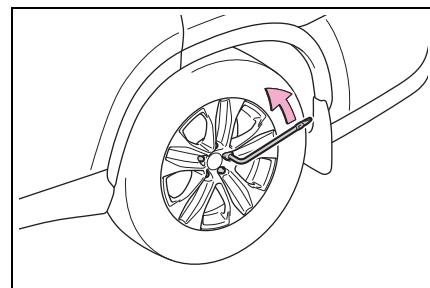
### **WARNING**

#### **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.

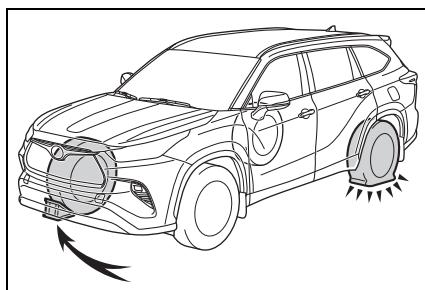
Flat tire	Wheel chock positions
Rear left-hand side	In front of the front right-hand side tire
Rear right-hand side	In front of the front left-hand side tire

- 2** Slightly loosen the wheel nuts (one turn).



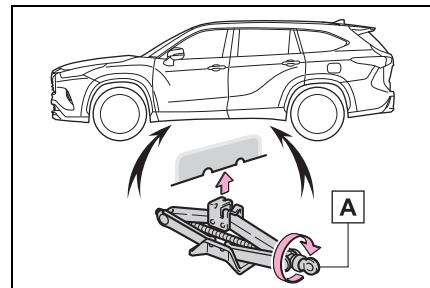
### Replacing a flat tire

- 1** Chock the tires.



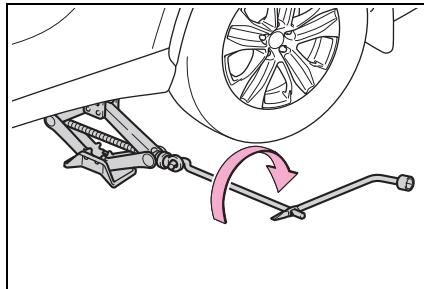
- 3** Turn the tire jack portion **A** by hand until the notch of the jack is in contact with the jack point.

The jack point guides are located under the rocker panel. They indicate the jack point positions.



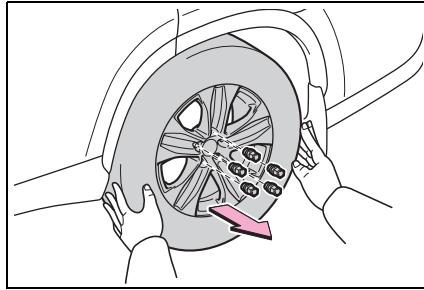
Flat tire	Wheel chock positions
Front left-hand side	Behind the rear right-hand side tire
Front right-hand side	Behind the rear left-hand side tire

- 4** Raise the vehicle until the tire is slightly raised off the ground.



- 5** Remove all the wheel nuts and the tire.

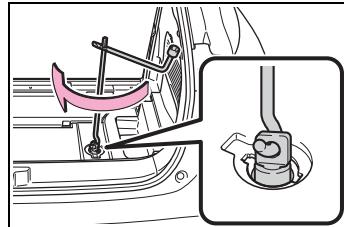
When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.



#### ■ If the spare tire cannot be lowered

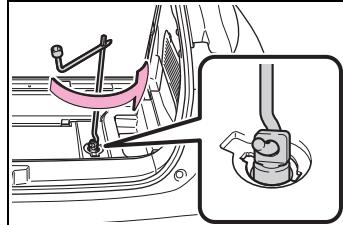
If the spare tire cannot be lowered, it may not have been stowed properly. Perform the following procedure:

- 1 Fully tighten the spare tire clamp bolt by turning the jack handle clockwise until two clicks are heard and the jack handle skips.



- 2** Turn the jack handle counterclockwise to lower the spare tire.

If the spare tire still cannot be lowered, attempt to fully tighten the spare tire clamp bolt again by turning the jack handle clockwise. Then turn it counterclockwise at least 2 turns to lower the spare tire.



If the spare tire still cannot be lowered, the wire cable may be severed. Have the vehicle inspected by your Toyota dealer.

#### ⚠ 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.

7

When trouble arises

### WARNING

- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
- Never use oil or grease on the wheel bolts or wheel nuts. Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.
- Have the wheel nuts tightened with a torque wrench to 103 N·m (10.5 kgf·m, 76 ft·lbf) as soon as possible after changing wheels.
- When installing a tire, only use wheel nuts that have been specifically designed for that wheel.
- If there are any cracks or deformations in the bolt screws, nut threads or bolt holes of the wheel, have the vehicle inspected by your Toyota dealer.
- Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.
- Observe the following precautions. Failure to do so may result in serious injury:
- Do not try to remove the wheel ornament by hand. Take due care in handling the ornament to avoid unexpected personal injury.
- Lower the spare tire completely to the ground before removing it from under the vehicle.

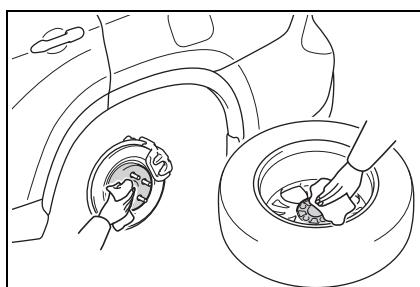
### ■ Replacing a flat tire for vehicles with power back door

In cases such as when replacing tires, make sure to turn off the power back door main switch (→P.418). Failure to do so may cause the back door to operate unintentionally if the power back door switch is accidentally touched, resulting in hands and fingers being caught and injured.

### Installing the spare tire

- 1 Remove any dirt or foreign matter from the wheel contact surface.

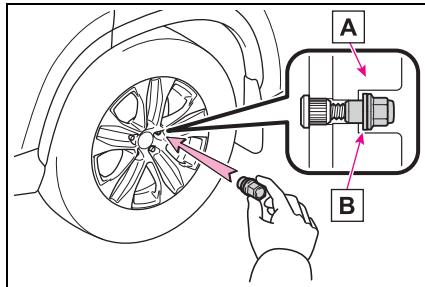
If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off.



- 2 Install the spare tire and loosely tighten each wheel nut by hand by approximately the same amount.

Turn the wheel nuts until the washers

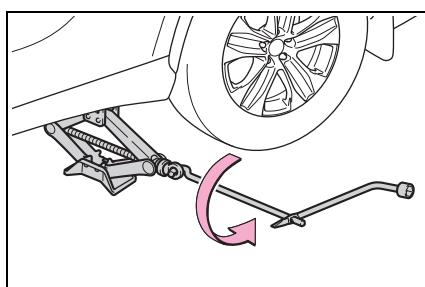
come into contact with the disc wheel.



**A** Disc wheel

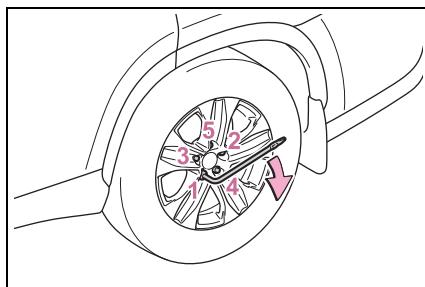
**B** Washer

**3** Lower the vehicle.



**4** Firmly tighten each wheel nut two or three times in the order shown in the illustration.

Tightening torque:  
103 N·m (10.5 kgf·m, 76 ft·lbf)



### **WARNING**

#### **■ Stowing the flat tire**

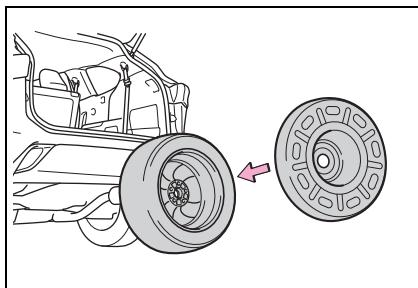
Failure to follow steps listed under stowing the tire may result in damage to the spare tire carrier and loss of the tire, which could result in serious injury or death.

#### **Stowing the flat tire, jack and all tools**

**1** Remove the center wheel ornament by pushing from the reverse side.

Be careful not to lose the wheel ornament.

**2** Stand the tire against the bumper with the inner surface facing toward you and install the outside spare tire cover.

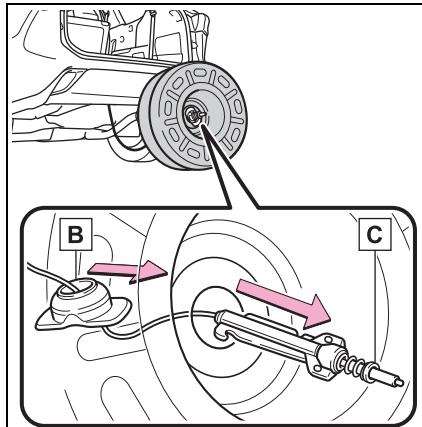


**7**

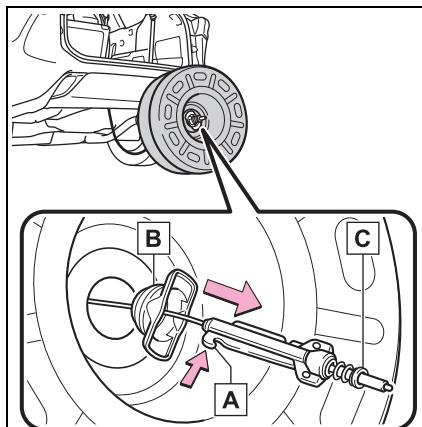
When trouble arises

## 390 7-2. Steps to take in an emergency

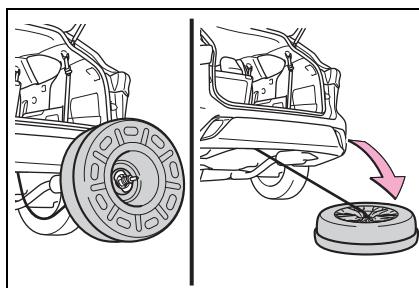
- 3 Pass the hoist assembly **C** and holding bracket **B** through the wheel opening.



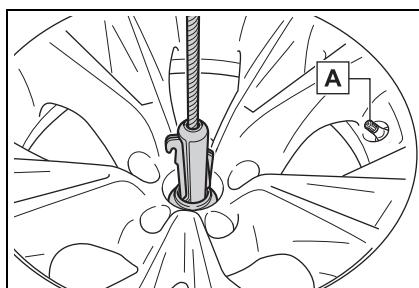
- 4 Fully depress the secondary latch **A** and install the bracket **B** to the hoist assembly **C**.



- 5 Lay the tire on the ground with the outer surface (valve stem) facing up.



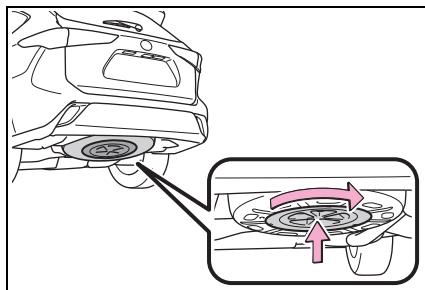
- 6 Before raising the tire, make sure that the hoist assembly is perpendicular to the wheel opening. (Try to place the tire directly beneath the vehicle, near where the wire cable is hanging from.)



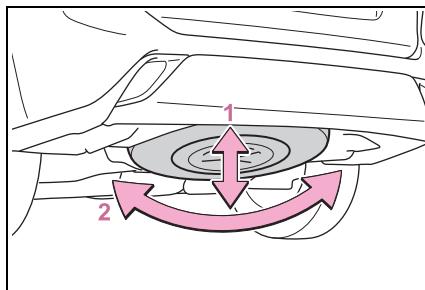
**A** Valve stem

- 7 Using the jack handle and adapter socket, tighten the tire clamp bolt by turning it clockwise until the tire is in the correct position and two clicks are heard as the jack handle skips.

- 8** Install the inside spare tire cover to the outside spare tire cover.



- 9** Confirm it is not loose after tightening:



**1** Push and pull the tire

**2** Try rotating

Visually check to ensure tire is not hung on surrounding parts.

If looseness or misassembly exists, repeat steps **2** to **9**.

**10** Repeat step **9**, any time the tire is lowered or disturbed.

**11** Stow the jack and all tools.

### **WARNING**

#### **After using the tools and jack**

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

### **NOTICE**

#### **When replacing the tires**

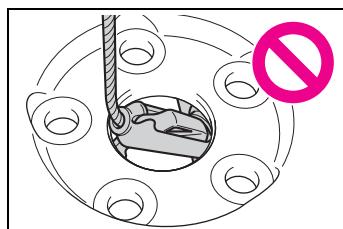
When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Toyota dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

#### **When stowing the flat tire**

- Ensure that there is no object caught between the tire and the vehicle underbody.
- Securely tighten the spare tire clamp bolt to hold the spare wheel carrier by the hook.
- Stow the flat tire in the spare tire location. Failure to do so may cause damage to the spare tire carrier. Proper storage reduces the possibility of injury in a collision or during sudden braking.
- Have the flat tire repaired and the spare tire replaced with it as soon as possible.

#### **Proper storage of the spare tire**

- If the hoist assembly is slanted when stowing a tire, the hoist assembly may become stuck in the wheel opening and the tire may not be raised properly, causing damage to the wheel or the wire cable.



**7**

When trouble arises

**NOTICE**

- Do not attempt to turn the spare tire clamp bolt without a tire on the hoist assembly, as doing so may cause the wire cable to slip off of the shaft inside the unit and the wire cable may not be able to be raised or lowered. If the spare tire clamp bolt has been turned without a tire on the hoist assembly and the wire cable cannot be raised or lowered, contact your Toyota dealer.

**If the hybrid system will not start**

**Reasons for the hybrid system not starting vary depending on the situation. Check the following and perform the appropriate procedure:**

**The hybrid system will not start even though the correct starting procedure is being followed. (→P.160)**

One of the following may be the cause of the problem:

- The electronic key may not be functioning properly. (→P.395)
- There may not be sufficient fuel in the vehicle's tank.  
Refuel the vehicle.
- There may be a malfunction in the immobilizer system. (→P.59)
- There may be a malfunction in the steering lock system.
- The hybrid system may be malfunctioning due to an electrical problem such as electronic key battery depletion or a blown fuse. However, depending on the type of malfunction, an interim measure is available to start the hybrid system. (→P.393)

**The interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.**

One of the following may be the cause of the problem:

- The 12-volt battery may be discharged. (→P.397)
- The 12-volt battery terminal connections may be loose or corroded. (→P.325)

**The interior lights and headlights do not turn on, or the horn does not sound.**

One of the following may be the cause of the problem:

- One or both of the 12-volt battery terminals may be disconnected. (→P.325)
- The 12-volt battery may be discharged. (→P.397)

Contact your Toyota dealer if the problem cannot be repaired, or if repair procedures are unknown.

**Starting the hybrid system in an emergency**

When the hybrid system does not start, the following steps can be used as an interim measure to start the hybrid system if the power switch is functioning normally. Do not use this starting procedure except in cases of emergency.

- 1 Pull the parking brake switch to check that the parking brake is set. (→P.169)

Parking brake indicator will come on.

- 2 Shift the shift lever to P.
- 3 Turn the power switch to ACC.
- 4 Press and hold the power switch for about 15 seconds while depressing the brake pedal firmly.

Even if the hybrid system can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

### If you lose your keys

New genuine mechanical keys can be made by your Toyota dealer using another mechanical key and the key number stamped on your key number plate.

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



#### NOTICE

##### When an electronic key is lost

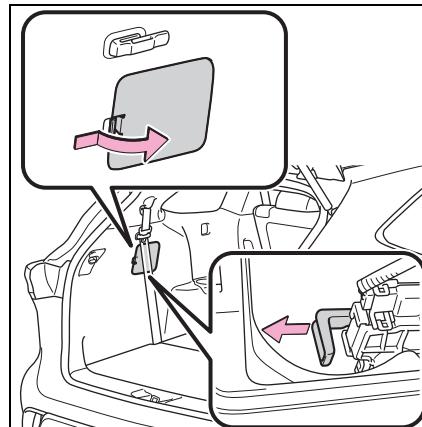
If the electronic key remains lost, the risk of vehicle theft increases significantly. Visit your Toyota dealer immediately with all remaining electronic keys that were provided with your vehicle.

### If the fuel filler door cannot be opened

If the fuel filler door opener switch cannot be operated, contact your Toyota dealer to service the vehicle. In case where refueling is urgently necessary, the following procedure can be used to open the fuel filler door.

### Opening the fuel filler door

- If the fuel filler door opener switch cannot be operated, remove the cover inside the luggage compartment and pull the lever to open the fuel filler door.



- Using the lever to open the fuel filler door may not allow for an adequate reduction in fuel tank pressure before refueling. To prevent fuel from spilling out, turn the cap slowly when removing it.

During refueling, fuel may spill out from the filler opening due to air being discharged from inside the fuel tank. Therefore, fill the fuel tank carefully and slowly.

### If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P.122) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors can be opened and the hybrid system can be started by following the procedure below.

#### ■ 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.418)
- Check if battery-saving mode is set. If it is set, cancel the function. (→P.122)

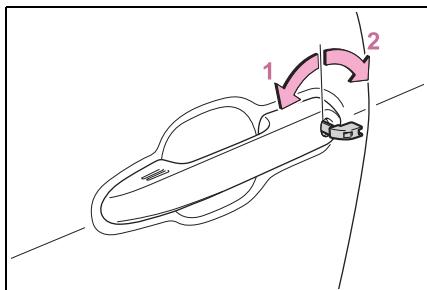
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When trouble arises

### Locking and unlocking the doors

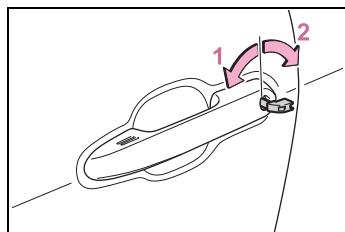
#### ■ Unlocking the door

Use the mechanical key (→P.107) in order to perform the following operations:



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

#### ■ Key linked functions



- 1** Closes the windows and the moon roof\* (turn and hold)  
**2** Opens the windows and the moon roof\* (turn and hold)

These settings must be customized at your Toyota dealer.

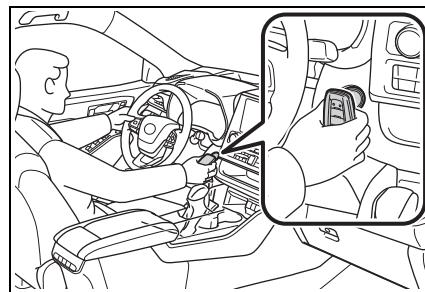
\* : If equipped

#### Starting the hybrid system

- 1 Ensure that the shift lever is in P and depress the brake pedal.
- 2 Touch the Toyota emblem side of the electronic key to the power switch.

When the electronic key is detected, a buzzer sounds and the power switch will turn to ON.

When the smart entry & start system is deactivated in customization setting, the power switch will turn to ACC.



- 3 Firmly depress the brake pedal and check that  is shown on the multi-information display.
- 4 Press the power switch shortly and firmly.

In the event that the hybrid system still cannot be started, contact 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.

Shift the shift lever to P, set the parking brake, and press the power switch as you normally do when stopping the hybrid system.

##### ■ Stopping the hybrid system

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is

##### ■ Replacing the key battery

depleted. (→P.345)

#### ■ Changing power switch modes

Release the brake pedal and press the power switch in step 3 above. The hybrid system does not start and modes will be changed each time the switch is pressed. (→P.162)

#### If the 12-volt battery is discharged

The following procedures may be used to start the hybrid system if the vehicle's 12-volt battery is discharged.

You can also call your Toyota dealer or a qualified repair shop.

7

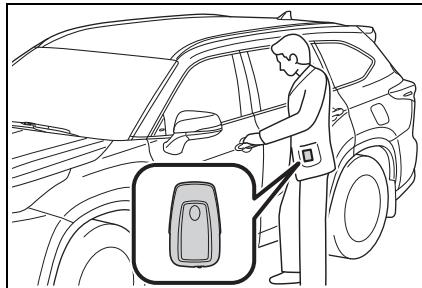
When trouble arises

### Restarting the hybrid system

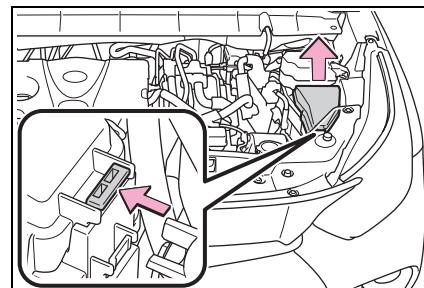
If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

- 1 Confirm that the electronic key is being carried.

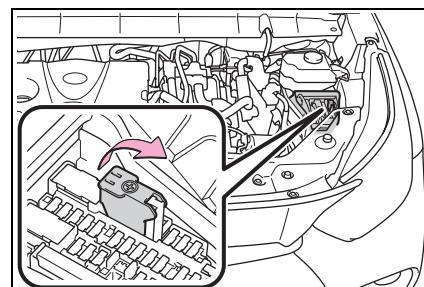
Vehicles with an alarm: When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and doors locked. (→P.61)



- 2 Open the hood (→P.317) and fuse box cover.

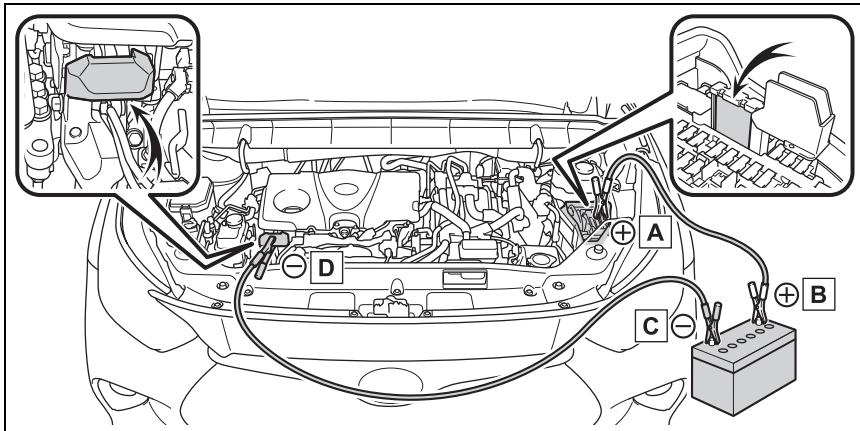


- 3 Open the exclusive jump starting terminal cover.



- 4 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** Exclusive jump starting terminal (your vehicle)
  - B** Positive (+) battery terminal (second vehicle)
  - C** Negative (-) battery terminal (second vehicle)
  - D** Solid, stationary, unpainted metallic point away from the exclusive jump starting terminal and any moving parts as shown in the illustration
- 5 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the 12-volt battery of your vehicle.
  - 6 Open and close any of the doors of your vehicle with the power switch OFF.
  - 7 Maintain the engine speed of the second vehicle and start the hybrid system of your vehicle by turning the power switch to ON.
  - 8 Make sure the "READY" indicator comes on. If the indicator light does not come on, contact your Toyota dealer.
  - 9 Once the hybrid system has started, remove the jumper cables in the exact reverse order from which they were connected.
  - 10 Close the exclusive jump starting terminal cover, and reinstall the fuse box cover to its original position.
- Once the hybrid system starts, have the vehicle inspected at your Toyota dealer as soon as possible.

#### ■ Starting the hybrid system when the 12-volt battery is discharged

The hybrid system cannot be started by push-starting.

7

When trouble arises

## 400 7-2. Steps to take in an emergency

### ■ To prevent 12-volt battery discharge

- Turn off the headlights and the audio system while the hybrid system is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

### ■ When the 12-volt battery is removed or discharged

- Information stored in the ECU is cleared. When the 12-volt battery is depleted, have the vehicle inspected at your Toyota dealer.
- Some systems may require initialization. (→P.428)

### ■ When removing the 12-volt battery terminals

When the 12-volt battery terminals are removed, the information stored in the ECU is cleared. Before removing the 12-volt battery terminals, contact your Toyota dealer.

### ■ Charging the 12-volt battery

The electricity stored in the 12-volt battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the 12-volt battery may discharge, and the hybrid system may be unable to start. (The 12-volt battery recharges automatically while the hybrid system is operating.)

### ■ When recharging or replacing the 12-volt battery

- In some cases, it may not be possible to unlock the doors using the smart entry & start system when the 12-volt battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The hybrid system may not start on the first attempt after the 12-volt battery has recharged but will start normally after the second attempt. This is not a malfunction.

- The power switch mode is memorized by the vehicle. When the 12-volt battery is reconnected, the system will return to the mode it was in before the 12-volt battery was discharged.

Before disconnecting the 12-volt battery, turn the power switch off.

If you are unsure what mode the power switch was in before the 12-volt battery discharged, be especially careful when reconnecting the 12-volt battery.

- Vehicles with power back door: The power back door must be initialized. (→P.118)

### ■ When replacing the 12-volt battery

- Use a Central Degassing type 12-volt battery (European Regulations).

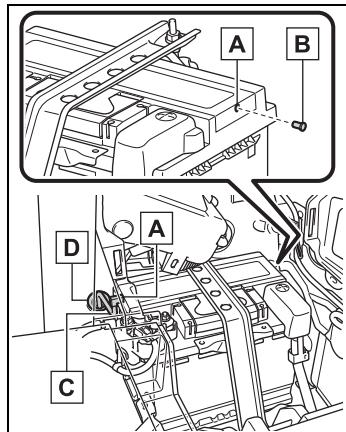
- Use a 12-volt battery that the case size is same as the previous one (LN2), 20 hour rate capacity (20HR) is equivalent (55Ah) or greater, and performance rating (CCA) is equivalent (345A) or greater.

- If the sizes differ, the 12-volt battery cannot be properly secured.
- If the 20 hour rate capacity is low, even if the time period where the vehicle is not used is a short time, the 12-volt battery may discharge and the hybrid system may not be able to start.

- Use a 12-volt battery with a handle. If a 12-volt battery without a handle is used, removal is more difficult.

- After replacing, firmly attach the following items to the exhaust hole of the 12-volt battery.

- Use the exhaust hose that was attached to the 12-volt battery before replacing and confirm that it is firmly connected to the hole section of the vehicle.
- Use the exhaust hole plug included with the 12-volt battery replaced or the one installed on the 12-volt battery prior to the replacement. (Depending on the 12-volt battery to be replaced, the exhaust hole may be plugged.)



- A** Exhaust hole
- B** Exhaust hole plug
- C** Exhaust hose
- D** Hole section of the vehicle

For details, consult your Toyota dealer.

#### **WARNING**

##### **When removing the 12-volt battery terminals**

Always remove the negative (-) terminal first. If the positive (+) terminal contacts any metal in the surrounding area when the positive (+) terminal is removed, a spark may occur, leading to a fire in addition to electrical shocks and death or serious injury.

##### **When disconnecting the 12-volt battery**

Do not disconnect the negative (-) terminal on the body side. The disconnected negative (-) terminal may touch the positive (+) terminal, which may cause a short and result in death or serious injury.

##### **■ Avoiding 12-volt battery fires or explosions**

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the 12-volt battery:

- Make sure each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the other end of the jumper cable connected to the "+" terminal to come into contact with any other parts or metal surfaces in the area, such as brackets or unpainted metal.
- Do not allow the + and - clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the 12-volt battery.

##### **■ 12-volt battery precautions**

The 12-volt battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the 12-volt battery:

- When working with the 12-volt battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the 12-volt battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received.

## 402 7-2. Steps to take in an emergency

### WARNING

- Always wash your hands after handling the 12-volt battery support, terminals, and other battery-related parts.
- Do not allow children near the 12-volt battery.

#### ■ After recharging the 12-volt battery

Have the 12-volt battery inspected at your Toyota dealer as soon as possible.

If the 12-volt battery is deteriorating, continued use may cause the 12-volt battery to emit a malodorous gas, which may be detrimental to the health of passengers.

#### ■ When replacing the 12-volt battery

- When the vent plug and indicator are close to the hold down clamp, the battery fluid (sulfuric acid) may leak.
- For information regarding 12-volt battery replacement, contact your Toyota dealer.
- After replacing, securely attach the exhaust hose and exhaust hole plug to the exhaust hole of the replaced 12-volt battery. If not properly installed, gases (hydrogen) may leak into the vehicle interior, and there is the possible danger of the gas igniting and exploding.

### ■ To prevent damaging the vehicle

The exclusive jump starting terminal is to be used when charging the 12-volt battery from another vehicle in an emergency. It cannot be used to jump start another vehicle.

### NOTICE

#### ■ When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fan or belt.

**If your vehicle overheats**

**The following may indicate that your vehicle is overheating.**

- The needle of the engine coolant temperature gauge (→P.69) enters the red zone or a loss of hybrid system power is experienced. (For example, the vehicle speed does not increase.)
- “Engine Coolant Temp High Stop in a Safe Place See Owner’s Manual” or “Hybrid System Overheated Output Power Reduced” is shown on the multi-information display.
- Steam comes out from under the hood.

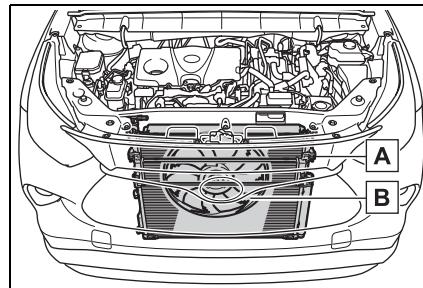
**Correction procedures**

► If the engine coolant temperature gauge enters the red zone or “Engine Coolant Temp High Stop in a Safe Place See Owner’s Manual” is shown on the multi-information display

- 1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the hybrid system.
- 2 If you see steam:  
Carefully lift the hood after the steam subsides.  
If you do not see steam:  
Carefully lift the hood.

- 3 After the hybrid system has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.

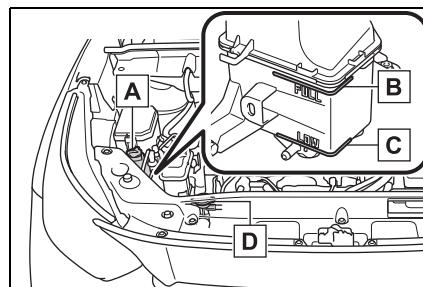
If a large amount of coolant leaks, immediately contact your Toyota dealer.



A Radiator

B Cooling fan

- 4 The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir.



A Reservoir

B “FULL” line

C “LOW” line

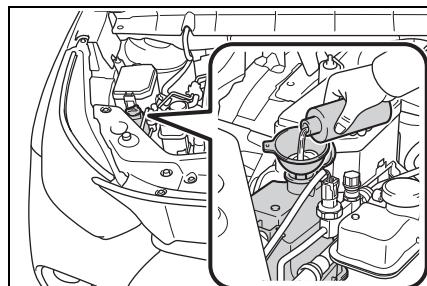
D Radiator cap

- 5 Add coolant if necessary.

Water can be used in an emergency if

## 404 7-2. Steps to take in an emergency

coolant is unavailable.



- 6** Start the hybrid system and turn the air conditioning system on to check that the radiator cooling fan operates and to check for coolant leaks from the radiator or hoses.

The fan operates when the air conditioning system is turned on immediately after a cold start. Confirm that the fan is operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly. (The fan may not operate in freezing temperatures.)

- 7** If the fan is not operating:  
Stop the hybrid system immediately and contact your Toyota dealer.  
If the fan is operating:  
Have the vehicle inspected at the nearest Toyota dealer.
- 8** Check if "Engine Coolant Temp High Stop in a Safe Place See Owner's Manual" is shown on the multi-information display.

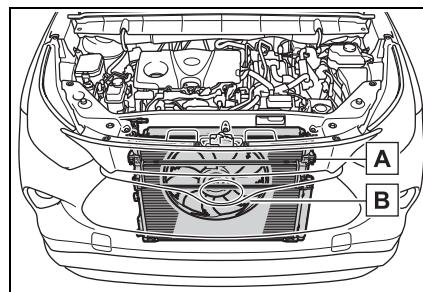
If the message does not disappear:  
Stop the hybrid system and contact your Toyota dealer.

If the message is not displayed:  
Have the vehicle inspected at the nearest Toyota dealer.

► If "Hybrid System Overheated Output Power Reduced" is shown on the multi-information display

- 1** Stop the vehicle in a safe place.
- 2** Stop the hybrid system and carefully lift the hood.
- 3** After the hybrid system has cooled down, inspect the hoses and radiator core (radiator) for any leaks.

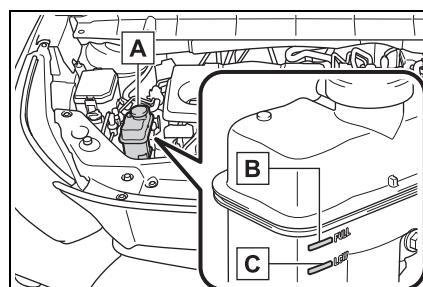
If a large amount of coolant leaks, immediately contact your Toyota dealer.



**A** Radiator

**B** Cooling fan

- 4** The coolant level is satisfactory if it is between the "FULL" and "LOW" lines on the reservoir.

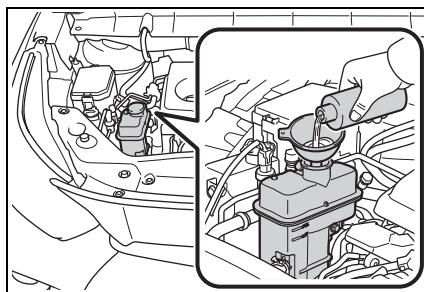


**A** Reservoir

**B** "FULL" line

**C "LOW" line****5 Add coolant if necessary.**

Water can be used in an emergency if coolant is unavailable.

**6 After stopping the hybrid system and waiting for 5 minutes or more, start the hybrid system again and check if "Hybrid System Overheated Output Power Reduced" is shown on the for the multi-information display.**

If the message does not disappear: Stop the hybrid system and contact your Toyota dealer.

If the message is not displayed: The hybrid system temperature has dropped and the vehicle may be driven normally.

However, if the message appears again frequently, contact your Toyota dealer.

** WARNING**
**■ When inspecting under the hood of your vehicle**

Observe the following precautions. Failure to do so may result in serious injury such as burns.

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot.

- After the hybrid system has been turned off, check that the "READY" indicator is off.

When the hybrid system is operating, the gasoline engine may automatically start, or the cooling fan may suddenly operate even if the gasoline engine stops. Do not touch or approach rotating parts such as the fan, which may lead to fingers or clothing (especially a tie, a scarf or a muffler) getting caught, resulting in serious injury.

- Do not loosen the radiator cap and the coolant reservoir caps while the hybrid system and radiator are hot. High temperature steam or coolant could spray out.

** NOTICE**
**■ When adding engine/power control unit coolant**

Add coolant slowly after the hybrid system has cooled down sufficiently. Adding cool coolant to a hot hybrid system too quickly can cause damage to the hybrid system.

**■ To prevent damage to the cooling system**

Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust, etc.).
- Do not use any coolant additive.

### If the vehicle becomes stuck

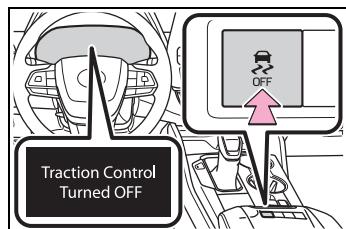
**Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:**

#### Recovering procedure

- 1 Stop the hybrid system. Shift the shift lever to P and set the parking brake.
- 2 Remove the mud, snow or sand from around the front wheels.
- 3 Place wood, stones or some other material under the front wheels to help provide traction.
- 4 Restart the hybrid system.
- 5 Shift the shift lever to D or R and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

#### When it is difficult to free the vehicle

Press  to turn off TRC.



### WARNING

#### When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

#### When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed. This may lead to unexpected rapid acceleration of the vehicle that may cause an accident resulting in death or serious injury.

### NOTICE

#### To avoid damage to the hybrid transmission and other components

- Avoid spinning the front wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

**Vehicle specifications****8-1. Specifications**

- |   |            |
|---|------------|
| Maintenance data (fuel, oil<br>level, etc.) ..... | <b>408</b> |
| Fuel information .....                            | <b>417</b> |

**8-2. Customization**

- |                            |            |
|----------------------------|------------|
| Customizable features..... | <b>418</b> |
|----------------------------|------------|

**8-3. Initialization**

- |                           |            |
|---------------------------|------------|
| Items to initialize ..... | <b>428</b> |
|---------------------------|------------|

### Maintenance data (fuel, oil level, etc.)

#### Dimensions

Overall length	4950 mm (194.9 in.)	
Overall width	1930 mm (76 in.)	
Overall height*	1730 mm (68.1 in.)	
Wheelbase	2850 mm (112.2 in.)	
Tread	Front	1659 mm (65.3 in.)
	Rear	1662 mm (65.4 in.)

\*: Unladen vehicle

#### Vehicle identification

##### ■ Vehicle identification number

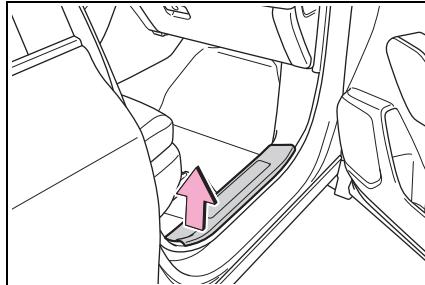
The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

► Top left of the instrument panel

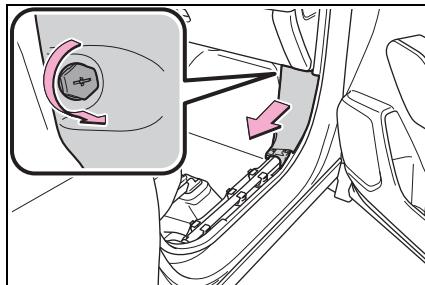
The vehicle identification number is stamped.

► Under the right-hand front seat

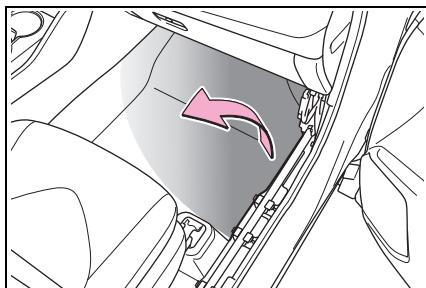
1 Remove the scuff plate.



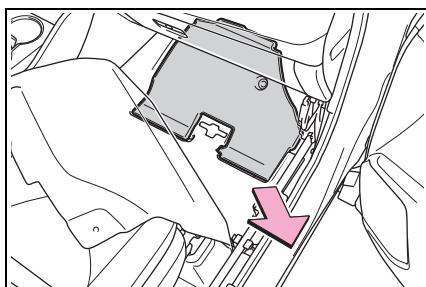
2 Remove the nut and trim.



**3** Turn back the carpet.

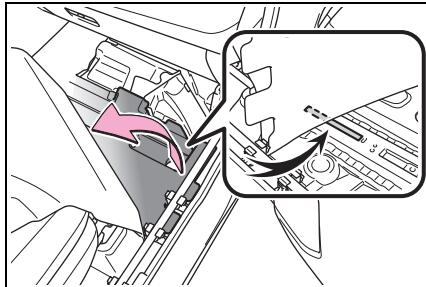


**4** Remove the dash panel insulator pad.



**5** Turn back the floor panel insulator pad.

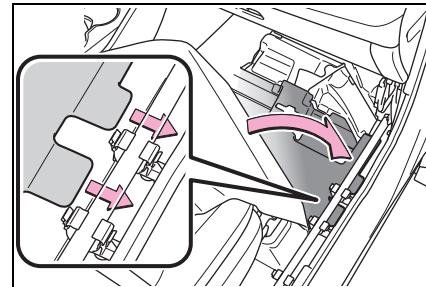
The vehicle identification number is stamped.



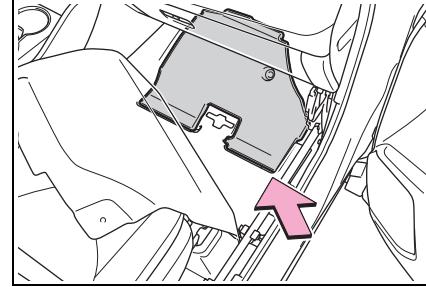
**6** Return the floor panel insulator pad to its original position.

Insert the 2 ends of the floor panel insu-

lator pad under the wire harness.

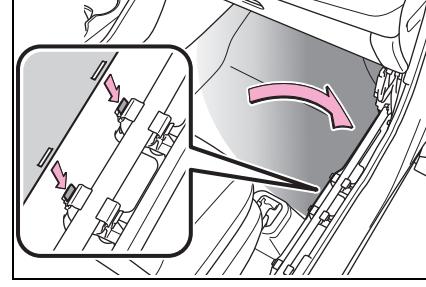


**7** Install the dash panel insulator pad.



**8** Return the carpet to its original position.

Install the 2 holes of the carpet to the wire harness clamps.



**9** Install the trim.

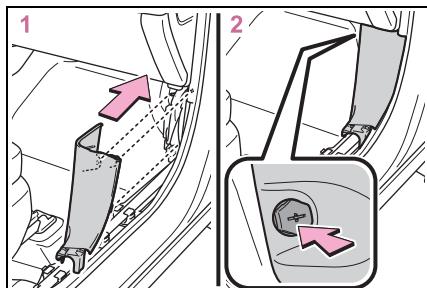
Align the clip, claw and bolt hole and

**8**

Vehicle specifications

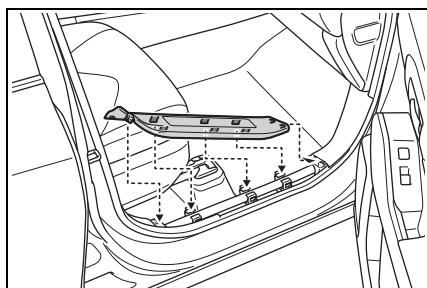
## 410 8-1. Specifications

install the trim with the nut.



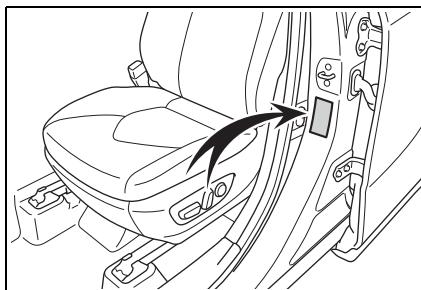
### 10 Install the scuff plate.

Insert the 2 guides at the front of the scuff plate into the trim, align the 7 claws with the wire harness clamps, and install the scuff plate.



#### ► Left-hand side center pillar

This number is also on the Certification Regulation Label.

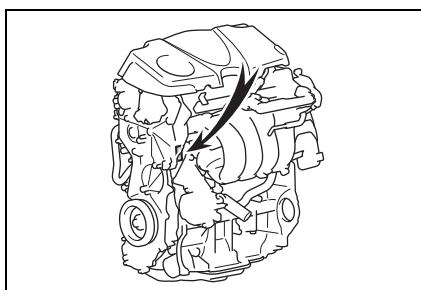


### ■ Year of manufacture and country of origin

The year of the manufacture and country of origin are shown on the Certification Regulation label.

### ■ Engine number

The engine number is stamped on the engine block as shown.



## Engine

Model	A25A-FXS
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	87.5 × 103.4 mm (3.44 × 4.07 in.)
Displacement	2487 cm <sup>3</sup> (151.8 cu. in.)
Valve clearance (engine cold)	Automatic adjustment
Maximum vehicle speed <sup>*1</sup>	180 km/h (112.5 mph)
Maximum torque (NET)	231 N·m@4400 rpm
Maximum output (NET)	137 kW@6000 rpm

**Fuel**

Fuel type	Unleaded gasoline only
Research Octane Number	91 or higher
Fuel tank capacity (Reference)	65 L (17.1 gal., 14.2 Imp. gal.)

**Electric motor (traction motor)**

## ▶ Front

Type	Permanent magnet synchronous motor
Maximum output	134 kW
Maximum torque	270 N·m (27.5 kgf·m, 199 ft·lbf)

## ▶ Rear

Type	Permanent magnet synchronous motor
Maximum output	40 kW
Maximum torque	121 N·m (12.3 kgf·m, 89 ft·lbf)

**Hybrid battery (traction battery)**

Type	Nickel-Metal hydride battery
Voltage	7.2 V/module
Capacity	6.5 Ah (3HR)
Quantity	40 modules
Nominal voltage	288 V

**Lubrication system****■ Oil capacity (Drain and refill—reference\*)**

With filter	4.5 L (4.8 qt., 4.0 Imp. qt.)
Without filter	4.2 L (4.4 qt., 3.7 Imp. qt.)

\*: The engine oil capacity is a reference

quantity to be used when changing the engine oil. Warm up the engine and turn off the hybrid system, wait more than 5 minutes, and check the oil level on the dipstick.

**■ Engine oil selection**

"Toyota Genuine Motor Oil" is used

## 412 8-1. Specifications

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

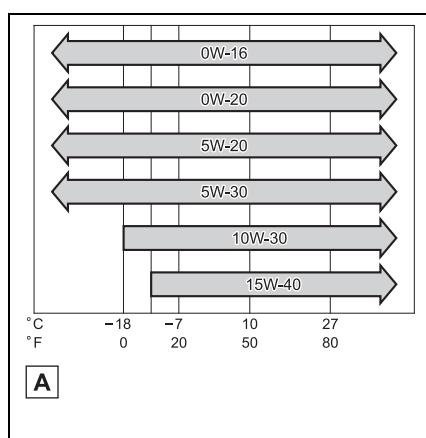
10W-30:

API grade SL "Energy-Conserving", SM "Energy-Conserving", SN "Resource-Conserving" or SN PLUS "Resource-Conserving"; or ILSAC multigrade engine oil

15W-40:

API grade SL, SM, SN or SN PLUS multigrade engine oil

Recommended viscosity (SAE):



**A** Temperature range anticipated before next oil change

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may

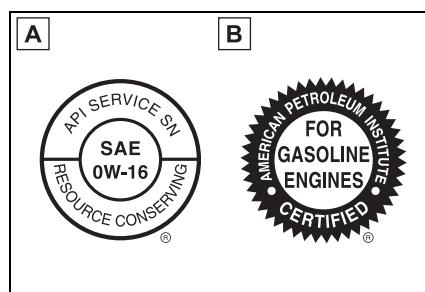
become difficult to start, so SAE 0W-16, 0W-20, 5W-20 or 5W-30 engine oil is recommended.

Oil viscosity (0W-16 is explained here as an example):

- The 0W in 0W-16 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 16 in 0W-16 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



**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	Gasoline engine	9.4 L (9.9 qt., 8.3 Imp. qt.)
	Power control unit	1.9 L (2.0 qt., 1.7 Imp. qt.)
Coolant type		Use either of the following: <ul style="list-style-type: none"> <li>• "Toyota Super Long Life Coolant"</li> <li>• Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology</li> </ul> Do not use plain water alone.

### Ignition system (spark plug)

Make	DENSO FC16HR-Q8
Gap	0.8 mm (0.031 in.)

 NOTICE

**Iridium-tipped spark plugs**

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

8

Vehicle specifications

### Electrical system (12-volt battery)

Open voltage at 20°C (68°F):	12.0 V or higher (Turn the power switch off and turn on the high beam headlights for 30 seconds.)
Charging rates	5 A max.

### Hybrid transmission

Fluid capacity*	4.4 L (4.6 qt., 3.9 Imp. qt.)
Fluid type	Toyota Genuine ATF WS

## 414 8-1. Specifications

\*: The fluid capacity is a reference quantity.

If replacement is necessary, contact your Toyota dealer.



### NOTICE

#### ■ Hybrid transmission fluid type

Using transmission fluid other than the above type may cause abnormal noise or vibration, or ultimately damage the transmission of your vehicle.

## Rear differential (rear electric motor)

Fluid capacity*	1.7 L (1.8 qt., 1.5 Imp. qt.)
Fluid type	Toyota Genuine ATF WS JWS 3324

\*: The fluid capacity is a reference quantity.

If replacement is necessary, contact your Toyota dealer.



### NOTICE

#### ■ Transmission fluid type

Using transmission fluid other than the above type may cause abnormal noise or vibration, or ultimately damage the transmission of your vehicle.

## Brakes

Pedal clearance*	91 mm (3.6 in.) Min.
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3

\*: Minimum pedal clearance when depressed with a force of 300 N (30.6 kgf, 67.4 lbf) while the engine is running.

## Steering

Free play	Less than 30 mm (1.2 in.)
-----------	---------------------------

**Tires and wheels**

## ► Type A

Tire size	235/65R18 106V
Tire inflation pressure (Recommended cold tire inflation pressure)	<ul style="list-style-type: none"> <li>► Front tire 250 kPa (2.5 kgf/cm<sup>2</sup> or bar, 36 psi)</li> <li>► Rear tire 250 kPa (2.5 kgf/cm<sup>2</sup> or bar, 36 psi)</li> <li>► Spare 250 kPa (2.5 kgf/cm<sup>2</sup> or bar, 36 psi)</li> </ul>
Wheel size	18 × 8 J
Wheel nut torque	103 N·m (10.5 kgf·m, 76 ft·lbf)

## ► Type B

Tire size	235/55R20 102V
Tire inflation pressure (Recommended cold tire inflation pressure)	<ul style="list-style-type: none"> <li>► Front tire 250 kPa (2.5 kgf/cm<sup>2</sup> or bar, 36 psi)</li> <li>► Rear tire 250 kPa (2.5 kgf/cm<sup>2</sup> or bar, 36 psi)</li> <li>► Spare 250 kPa (2.5 kgf/cm<sup>2</sup> or bar, 36 psi)</li> </ul> <p>Driving at high speeds (above 160 km/h [100 mph]) (in countries where such speeds are permitted by law) Add 10 kPa (0.1 kgf/cm<sup>2</sup> or bar, 1 psi) to the front and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Wheel size	20 × 8 J
Wheel nut torque	103 N·m (10.5 kgf·m, 76 ft·lbf)

**416**    8-1. Specifications

Light bulbs			
	Light bulbs	W	Type
Exterior	Front turn signal lights	21	A
	Rear turn signal lights	21	A
	Back-up lights	16	B
	Rear fog lights	21	B
	License plate lights	5	B
Interior	Door courtesy lights	5	C
	Vanity lights	8	C
	Rear personal light	8	C
	Rear interior light	8	C

A: Wedge base bulbs (amber)

B: Wedge base bulbs (clear)

C: Single end bulbs (clear)

**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 navigation/multimedia system, or at your Toyota dealer.

### Customizing vehicle features

#### ■ Changing by using the navigation/multimedia system

- 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

- 4.2-inch display
- 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 .

The available settings will differ

depending on if  is pressed or pressed and held. Follow the instructions on the display.

#### ► 7-inch display

- 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 .

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

#### ■ When customizing using the navigation/multimedia system

Stop the vehicle in a safe place, apply the parking brake, and shift the shift lever to P. Also, to prevent 12-volt battery discharge, leave the hybrid system operating while customizing the features.

### WARNING

#### ■ During customization

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

### NOTICE

#### ■ During customization

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

### 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 navigation/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.64, 69, 72, 81)

Function <sup>*1</sup>	Default setting	Customized setting	<b>A</b>	<b>B</b>	<b>C</b>
Language	English	Arabic	—	O	—
		Hebrew	—	—	—
Units	L/100 km	km/L	—	O	—
EV indicator	On	Off	—	O	—
Eco Accelerator Guidance <sup>*2</sup>	On	Off	—	O	—
Fuel economy display <sup>*2</sup>	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 <sup>*2</sup>	On	Off	—	O	—
Energy monitor <sup>*2</sup>	On	Off	—	O	—
AWD system display <sup>*2, 3</sup>	On	Off	—	O	—
Drive information type <sup>*2</sup>	After start	After reset	—	O	—
Drive information items (First item) <sup>*2</sup>	Distance	Average vehicle speed	—	O	—
		Elapsed time	—	—	—

## 420 8-2. Customization

Function <sup>*1</sup>	Default setting	Customized setting	[A]	[B]	[C]
Drive information items (Second item) <sup>*2</sup>	Elapsed time	Average vehicle speed	—	O	—
		Distance	—	—	—
Current trip result display <sup>*2</sup>	Eco score	Drive information	—	O	—
Speedometer display <sup>*4</sup>	On	Off	—	O	—
Gadget content <sup>*4</sup>	Off	Average vehicle speed	—	O	—
		Distance	—	—	—
		Elapsed time	—	—	—
Fuel economy type <sup>*4</sup>	Trip (after start) <sup>*5</sup>	Total (after reset)	—	O	—
		Tank (after refuel) <sup>*6</sup>	—	—	—
Pop-up display	On	Off	—	O	—
Suggestion function	On	On (when the vehicle is stopped)	O	—	O
		Off	—	—	—

<sup>\*1</sup>: For details about each function: →P.79, 88

<sup>\*2</sup>: 4.2-inch display

<sup>\*3</sup>: AWD models

<sup>\*4</sup>: 7-inch display

<sup>\*5</sup>: Selecting this item will only change the gadget.

<sup>\*6</sup>: Selecting this item will turn the display of the gadget off.

### ■ Head-up Display\*(→P.91)

Function	Default setting	Customized setting	[A]	[B]	[C]
Head-up display	On	Off	—	O	—
Gauge information	Hybrid System Indicator	Tachometer	—	O	—
		No content	—	—	—
Route guidance to destination/street name	On	Off	—	O	—
Driving support system display	On	Off	—	O	—

Function	Default setting	Customized setting	A	B	C
Compass	On	Off	—	O	—
Audio system operation status	On	Off	—	O	—

\* : If equipped

### ■ Door lock (→P.109, 395)

Function	Default setting	Customized setting	A	B	C
Unlocking using a mechanical key	All doors unlocked in one step	Driver's door unlocked in one step, all doors unlocked in two step	—	—	O
Speed linked door locking function	On	Off	O	—	O
Shift position linked door locking function	Off	On	O	—	O
Shift position linked door unlocking function	Off	On	O	—	O
Driver's door linked door unlocking function	Off	On	O	—	O

### ■ Smart entry & start system and wireless remote control (→P.109, 121)

Function	Default setting	Customized setting	A	B	C
Operation buzzer volume	5	Off	O	—	O
		1 to 7			
Operation signal (emergency flashers)	On	Off	O	—	O
Time elapsed before automatic door lock function is activated if door is not opened after being unlocked	30 seconds	60 seconds	—	—	O
		120 seconds			
Open door reminder buzzer (when locking the vehicle)	On	Off	—	—	O

■ Smart entry & start system (→P.109, 121)

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
Number of consecutive door lock operations	2 times	As many as desired	—	—	O
Time elapsed before unlocking all the door when gripping and holding the driver's door handle*	Off	1.5 seconds	—	—	O
		2 seconds			
		2.5 seconds			

\*: This setting can be changed when the smart door unlocking setting is set to driver's door.

■ Wireless remote control (→P.107, 109, 113)

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

■ Power back door\*1 (→P.113)

Function	Default setting	Customized setting	A	B	C
Power back door	On	Off	—	O	—
Power back door opening position	5	1 to 4	—	O	—
		User setting*2			
Buzzer volume	Level 3	Level 1	—	O	—
		Level 2			
Opening/closing of the back door using the power back door switch on the instrument panel	Press and hold	One short press	—	—	O

Function	Default setting	Customized setting	A	B	C
Opening/closing of the power back door using the  switch of the wireless remote control	Press and hold	One short press	—	—	O
		Push twice			
		Off			
Operation buzzer while the back door is operating <sup>*3</sup>	On	Off	—	—	O
Power back door open operation when the back door opener switch is pressed	On	Off	—	—	O

<sup>\*1</sup>: If equipped

<sup>\*2</sup>: The open position is set by the power back door switch. (→P.78, 88)

<sup>\*3</sup>: The operation buzzer that sounds when the back door begins to operate cannot be turned off.

### ■ Driving position memory\* (→P.131)

Function	Default setting	Customized setting	A	B	C
Selecting doors linked to the memory recall function	Driver's door	All doors	—	—	O

\*: If equipped

### ■ Outside rear view mirrors (→P.138)

Function	Default setting	Customized setting	A	B	C
Automatic mirror folding and extending operation	Linked to the locking/unlocking of the doors	Off	—	—	O
		Linked to operation of the power switch			

8

Vehicle specifications

### ■ Power windows and moon roof\* (→P.141, 144)

Function	Default setting	Customized setting	A	B	C
Mechanical key linked operation	Off	On	—	—	O

## 424 8-2. Customization

Function	Default setting	Customized setting	A	B	C
Wireless remote control linked operation	Off	On	—	—	O
Wireless remote control linked operation signal (buzzer)	On	Off	—	—	O

\*: If equipped

### ■ Moon roof\* (→P.144)

Function	Default setting	Customized setting	A	B	C
Linked operation of components when mechanical key is used (open only)	Slide only	Tilt only	—	—	O
Linked operation of components when wireless remote control is used (open only)	Slide only	Tilt only	—	—	O

\*: If equipped

### ■ Automatic light control system (→P.175)

Function	Default setting	Customized setting	A	B	C
Light sensor sensitivity	Standard	-2 to 2	O	—	O
Time elapsed before headlights automatically turn on	Standard	Long	—	—	O
Automatic light off system	Linked to opening of the driver's side door	Linked to operation of the power switch	—	—	O

### ■ Rear window wiper (→P.184)

Function	Default setting	Customized setting	A	B	C
Back door opening linked rear window wiper stop function	Off	On	—	—	O
Washer linked rear window wiper operation	On	Off	—	—	O

Function	Default setting	Customized setting	<b>A</b>	<b>B</b>	<b>C</b>
Shift position linked rear window wiper operation ( $\rightarrow$ P.184)	Only once	Off	—	—	O
		Continuous			

■ **PCS (Pre-Collision System)<sup>\*</sup> ( $\rightarrow$ P.192)**

Function	Default setting	Customized setting	<b>A</b>	<b>B</b>	<b>C</b>
PCS (Pre-Collision System)	On	Off	—	O	—
Adjust alert timing	Middle	Early	—	O	—
		Late			

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

■ **LTA (Lane Tracing Assist)<sup>\*</sup>/LDA (Lane Departure Alert with steering control)<sup>\*</sup> ( $\rightarrow$ P.200, 210)**

Function	Default setting	Customized setting	<b>A</b>	<b>B</b>	<b>C</b>
Lane centering function <sup>*</sup>	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			

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

■ **BSM (Blind Spot Monitor)<sup>\*</sup> ( $\rightarrow$ P.239)**

Function	Default setting	Customized setting	<b>A</b>	<b>B</b>	<b>C</b>
BSM (Blind Spot Monitor)	On	Off	—	O	—
Outside rear view mirror indicator brightness	Bright	Dim	—	O	—

## 426 8-2. Customization

Function	Default setting	Customized setting	A	B	C
Alert timing for presence of approaching vehicle (sensitivity)	Intermediate	Early	—	O	—
		Late			
		Only when vehicle detected in blind spot			

\*: If equipped

### ■ Toyota parking assist-sensor\* (→P.244)

Function	Default setting	Customized setting	A	B	C
Toyota parking assist-sensor	On	Off	—	O	—
Buzzer volume	Level 2	Level 1	—	O	—
		Level 3			

\*: If equipped

### ■ RCTA (Rear Cross Traffic Alert) function\* (→P.251)

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

### ■ Front automatic air conditioning system (→P.272)

Function	Default setting	Customized setting	A	B	C
A/C auto switch operation	On	Off	O	—	O

### ■ Illumination (→P.283)

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 power switch is turned off	On	Off	—	—	O
Operation when the doors are unlocked	On	Off	—	—	O
Operation when you approach the vehicle with the electronic key on your person	On	Off	—	—	O
Instrument panel ornament light* and door trim ornament lights*	On	Off	—	—	O
Time elapsed before the outer foot lights* turn off	15 seconds	Off 7.5 seconds 30 seconds	O	—	O
Operation of the outer foot lights* when you approach the vehicle with the electronic key on your person	On	Off	—	—	O
Operation of the outer foot lights* when the doors are unlocked with the power door lock switch	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 timer activated automatic door lock function activates, signals will be generated in accordance with the operation buzzer volume and operational signal (emergency flashers) function settings.

**Items to initialize**

The following items must be initialized for normal system operation after such cases as the 12-volt battery being reconnected, or maintenance being performed on the vehicle:

**List of items to initialize**

Item	When to initialize	Reference
Power back door*	<ul style="list-style-type: none"><li>After reconnecting or changing the 12-volt battery</li></ul>	P.118
Toyota parking assist-sensor*	<ul style="list-style-type: none"><li>After reconnecting or changing the 12-volt battery</li></ul>	P.247
Tire pressure warning system	<ul style="list-style-type: none"><li>When the tire inflation pressure is changed such as when changing traveling speed</li><li>When the tire inflation pressure is changed such as when the tire size is changed</li><li>When rotating the tires</li></ul>	P.332

\*: If equipped

**Index**

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What to do if... (Troubleshooting) .....	<b>430</b>
Alphabetical Index .....	<b>433</b>

## What to do if... (Troubleshooting)

If you have a problem, check the following before contacting your Toyota dealer.

### The doors cannot be locked, unlocked, opened or closed



#### You lose your keys

- If you lose your mechanical keys, new genuine mechanical keys can be made by your Toyota dealer. (→P.394)
- If you lose your electronic keys, the risk of vehicle theft increases significantly. Contact your Toyota dealer immediately. (→P.394)



#### The doors cannot be locked or unlocked

- Is the electronic key battery weak or depleted? (→P.345)
  - Is the power switch in ON?
- When locking the doors, turn the power switch off. (→P.161)
- 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.122)



#### 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.112)

### If you think something is wrong



#### The hybrid system does not start

- Did you press the power switch while firmly depressing the brake pedal? (→P.160)
- Is the shift lever in P? (→P.160)
- Is the electronic key anywhere detectable inside the vehicle? (→P.121)
- Is the steering wheel unlocked? (→P.160)
- Is the electronic key battery weak or depleted?

In this case, the hybrid system can be started in a temporary way. (→P.396)

- Is the 12-volt battery discharged? (→P.397)



#### The shift lever cannot be shifted from P even if you depress the brake pedal

- Is the power switch in ON?

If you cannot release the shift lever by depressing the brake pedal with the power switch in ON (→P.167)



**The steering wheel cannot be turned after the hybrid system is stopped**

- It is locked automatically to prevent theft of the vehicle.  
(→P.160)



**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.143)



**The power switch is turned off automatically**

- The auto power off function will be operated if the vehicle is left in ACC or ON (the hybrid system is not operating) for a period of time. (→P.162)



**A warning buzzer sounds during driving**

- The seat belt reminder light is flashing

Are the driver and the front passenger wearing the seat belts? (→P.372)

- The parking brake indicator is on

Is the parking brake released?

(→P.169)

Depending on the situation, other types of warning buzzer may also sound. (→P.369, 377)



**An alarm is activated and the horn sounds (vehicles with an alarm)**

- Did anyone inside the vehicle open a door during setting the alarm?

The sensor detects it and the alarm sounds. (→P.60)

Do one of the following to stop the alarms:

- Unlock the doors.
- Turn the power switch to ACC or ON, or start the hybrid system.



**A warning buzzer sounds when leaving the vehicle**

- Is the message displayed on the multi-information display?

Check the message on the multi-information display. (→P.377)



**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.369, 377.

**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.381)



**The vehicle becomes stuck**

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P.406)

## Alphabetical Index

A	
<b>A/C</b> .....	272
Air conditioning filter.....	340
Automatic air conditioning system .....	272
Front seat concentrated airflow mode (S-FLOW) .....	276
Rear automatic air conditioning system.....	278
<b>ABS (Anti-lock Brake System)</b> ....	258
Warning light .....	371
<b>ACA (Active Cornering Assist)</b> ....	259
<b>Active Cornering Assist (ACA)</b> ....	259
<b>AHB (Automatic High Beam)</b> .....	178
<b>Air conditioning filter</b> .....	340
<b>Air conditioning system</b> .....	272
Air conditioning filter.....	340
Automatic air conditioning system .....	272
Front seat concentrated airflow mode (S-FLOW) .....	276
Rear automatic air conditioning system.....	278
<b>Airbags</b>	
Airbag operating conditions .....	31
Airbag precautions for your child .	33
Correct driving posture.....	23
Curtain shield airbag operating conditions .....	31
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 precautions .....	33
Side and curtain shield airbags operating conditions.....	31
Side and curtain shield airbags precautions .....	33
SRS airbags.....	29
SRS warning light .....	370
<b>Alarm</b> .....	60
Warning buzzer .....	369
<b>Antennas (smart entry &amp; start system)</b> .....	121
<b>Anti-lock Brake System (ABS)</b> ....	258
Warning light .....	371
<b>Approach warning</b> .....	224, 233
<b>Armrest</b> .....	295
<b>Assist grips</b> .....	295
<b>Audio system-linked display</b> ...	76, 85
<b>Automatic air conditioning system</b> .....	272
<b>Automatic High Beam</b> .....	178
<b>Automatic light control system</b> ...	175
<b>Auxiliary boxes</b> .....	288, 293
<b>Average fuel economy</b> .....	74, 82
<b>Average vehicle speed</b> .....	76, 85
<b>AWD Control</b> .....	77, 85
B	
<b>Back door</b> .....	113
<b>Back-up lights</b>	
Replacing light bulbs .....	349
<b>Battery (12-volt battery)</b>	
Battery checking.....	325
If the 12-volt battery is discharged .....	397
Preparing and checking before winter.....	266
Replacing .....	400
Warning light .....	370
<b>Battery (traction battery)</b> .....	55
<b>Blind Spot Monitor (BSM)</b> .....	239
<b>Brake</b>	
Brake hold .....	172
Fluid .....	414
Parking brake .....	169
Regenerative braking .....	53
Warning light .....	369
<b>Brake assist</b> .....	258
<b>Break-in tips</b> .....	153
<b>Brightness control</b>	
Instrument panel light control .....	71
<b>BSM (Blind Spot Monitor)</b> .....	239

<b>Buzzer</b>	
Hands off steering wheel warning (LTA) .....	208
<b>C</b>	
<b>Care</b>	
Exterior.....	302
Interior.....	305
Seat belts .....	305
Wheels and wheel ornaments....	302
<b>Cargo net hooks</b> .....	<b>290</b>
<b>Chains</b> .....	<b>267</b>
<b>Child restraint system</b>	
Points to remember.....	38
Riding with children.....	37
<b>Child safety</b>	
12-volt battery precautions. 326, 401	
Airbag precautions .....	33
Back door precautions .....	113
Child restraint system .....	38
How your child should wear the seat belt.....	26
Installing child restraints.....	38
Moon roof precautions .....	145
Panoramic moon roof precautions .....	149
Power window lock switch .....	143
Power window precautions .....	142
Rear door child-protectors .....	112
Removed electronic key battery pre- cautions .....	346
Seat belt precautions .....	37
Seat heater precautions.....	281
<b>Child-protectors</b> .....	<b>112</b>
<b>Cleaning</b>	
Exterior.....	302
Interior.....	305
Radar sensor .....	188
Seat belts .....	305
Wheels and wheel ornaments....	302
<b>Clock</b> .....	<b>69, 72</b>
<b>Coat hooks</b> .....	<b>295</b>
<b>Compass</b> .....	<b>298</b>
<b>Condenser</b> .....	<b>323</b>
<b>Console box</b> .....	<b>287</b>
<b>Conversation mirror</b> .....	<b>297</b>
<b>Cooling system</b> .....	<b>322</b>
Engine overheating .....	403
Hybrid system overheating.....	404
<b>Cruise control</b>	
Dynamic radar cruise control ....	228
Dynamic radar cruise control with full-speed range .....	218
Warning message .....	238
<b>Cup holders</b> .....	<b>287</b>
<b>Current fuel consumption</b> .....	<b>74, 82</b>
<b>Curtain shield airbags</b> .....	<b>29</b>
<b>Customizable features</b> .....	<b>418</b>
<b>D</b>	
<b>Daytime running light system</b> ....	<b>175</b>
Replacing light bulbs .....	349
<b>Defogger</b>	
Outside rear view mirrors .....	274
Rear window .....	274
Windshield.....	273
<b>Differential</b>	
Rear differential oil .....	414
<b>Dimension</b> .....	<b>408</b>
<b>Display</b>	
Cruise control .....	237
Dynamic radar cruise control ....	228
Dynamic radar cruise control with full-speed range .....	218
Energy monitor .....	96
Head-up display .....	91
LDA (Lane Departure Alert with steering control) .....	214
LTA (Lane Tracing Assist).....	206
Multi-information display .....	72, 81
RCTA.....	251
Toyota parking assist-sensor.....	244
Warning message .....	377
<b>Distance until next engine oil change</b>	
.....	<b>71</b>
<b>Do-it-yourself maintenance</b> .....	<b>307</b>
<b>Door courtesy lights</b> .....	<b>283</b>

<b>Door lock</b>	
Back door .....	113
Side doors.....	109
Smart entry & start system.....	121
Wireless remote control .....	107
<b>Doors</b>	
Automatic door locking and unlock-ing system .....	112
Back door.....	113
Door glasses .....	141
Door lock.....	113
Open door warning buzzer. 110, 112	
Outside rear view mirrors.....	138
Rear door child-protectors .....	112
<b>Drive distance</b> .....	<b>76, 85</b>
<b>Drive information</b> .....	<b>76, 85</b>
<b>Driver's seat position memory</b>	
Driving position memory .....	131
Memory recall function.....	132
<b>Drive-start control</b> .....	<b>153</b>
<b>Driving</b>	
Break-in tips .....	153
Correct driving posture.....	23
Driving mode select switch .....	256
Hybrid vehicle driving tips .....	264
Procedures.....	152
Winter drive tips .....	266
<b>Driving information display</b> .....	<b>73, 82</b>
<b>Driving mode select switch</b> .....	<b>256</b>
<b>Driving position memory</b> .....	<b>131</b>
Memory recall function .....	132
<b>Driving range</b> .....	<b>74, 82</b>
<b>Driving support system information display</b> .....	<b>76, 85</b>
<b>Dynamic radar cruise control</b> .....	<b>228</b>
Warning message .....	235
<b>Dynamic radar cruise control with full-speed range</b> .....	<b>218</b>
Warning message .....	226
<b>E</b>	
<b>ECB (Electronically Controlled Brake System)</b> .....	<b>258</b>
<b>ECO Accelerator Guidance</b> .....	<b>74, 83</b>
<b>Eco drive mode</b> .....	<b>256</b>
<b>Eco score</b> .....	<b>74, 83</b>
<b>EDR (Event data recorder)</b> .....	<b>6</b>
<b>E-Four</b> .....	<b>259</b>
<b>Elapsed time</b> .....	<b>76, 85</b>
<b>Electric motor (traction motor)</b> .....	<b>52</b>
<b>Electric Power Steering (EPS)</b> .....	<b>259</b>
Warning light .....	371
<b>Electronic key</b> .....	<b>106</b>
Battery-saving function.....	122
If the electronic key does not operate properly .....	395
Replacing the battery .....	345
<b>Electronic roof sunshade</b>	
Jam protection function .....	148
Operation .....	147
<b>Electronically Controlled Brake System (ECB)</b> .....	<b>258</b>
<b>Emergency brake signal</b> .....	<b>259</b>
<b>Emergency flashers</b> .....	<b>360</b>
<b>Emergency, in case of</b>	
If a warning buzzer sounds .....	369
If a warning light turns on.....	369
If a warning message is displayed .....	377
If the 12-volt battery is discharged .....	397
If the electronic key does not operate properly .....	395
If the fuel filler door cannot be opened .....	394
If the hybrid system will not start	392
If the vehicle is trapped in rising water .....	361
If you have a flat tire.....	381
If you lose your keys .....	394
If you think something is wrong..	367
If your vehicle becomes stuck ....	406
If your vehicle has to be stopped in an emergency .....	360
If your vehicle needs to be towed .....	363
If your vehicle overheats .....	403
<b>Energy monitor</b> .....	<b>96</b>

<b>Engine</b>	
ACCESSORY mode .....	162
Compartment .....	319
Engine switch.....	160
Hood .....	317
How to start the hybrid system...	160
Identification number.....	410
If the hybrid system will not start	392
If your vehicle has to be stopped in an emergency.....	360
Ignition switch (power switch) ....	160
Overheating .....	403
Power switch.....	160
Tachometer .....	69
<b>Engine coolant</b>	
Capacity .....	413
Checking .....	322
Preparing and checking before win- ter .....	266
<b>Engine coolant temperature gauge</b>	
.....	69
<b>Engine oil</b>	
Capacity .....	411
Checking .....	319
Preparing and checking before win- ter .....	266
Warning light .....	370
<b>Engine oil maintenance data.....</b>	<b>321</b>
<b>Engine switch (power switch) ....</b>	<b>160</b>
If your vehicle has to be stopped in an emergency.....	360
<b>EPS (Electric Power Steering)....</b>	<b>259</b>
Warning light .....	371
<b>EV drive mode .....</b>	<b>164</b>
<b>EV indicator .....</b>	<b>53</b>
<b>Event data recorder (EDR).....</b>	<b>6</b>
 <b>F</b>	
<b>Flat tire</b>	
Tire pressure warning system....	330
Vehicles with a spare tire .....	381
<b>Floor mats .....</b>	<b>22</b>
<b>Fluid</b>	
Brake.....	414
 <b>G</b>	
<b>Gauges.....</b>	<b>69</b>
<b>Glove box .....</b>	<b>287</b>
<b>Glove box light.....</b>	<b>287</b>
Hybrid transmission.....	413
Washer .....	323
<b>Fog lights</b>	
Replacing light bulbs .....	349
Switch.....	180
<b>Footwell light.....</b>	<b>283</b>
<b>Front seats</b>	
Adjustment .....	125
Cleaning .....	305
Correct driving posture.....	23
Driving position memory.....	131
Head restraints.....	133
Memory recall function .....	132
Seat heaters.....	281
Seat position memory .....	131
Seat ventilators .....	281
<b>Front turn signal lights</b>	
Replacing light bulbs .....	349
Turn signal lever.....	169
<b>Fuel</b>	
Capacity .....	411
Fuel gauge .....	69
Information .....	417
Refueling .....	185
Type .....	411
Warning light .....	371
<b>Fuel consumption</b>	
Average fuel economy .....	74, 82
Current fuel consumption .....	74, 82
<b>Fuel economy.....</b>	<b>74, 82</b>
<b>Fuel filler door</b>	
If the fuel filler door cannot be opened .....	394
Refueling .....	185
<b>Fuel gauge.....</b>	<b>69</b>
<b>Fuses .....</b>	<b>346</b>

**H**

<b>Head restraints</b> .....	<b>133</b>
<b>Headlights</b>	
Automatic High Beam system....	178
Light switch .....	175
Replacing light bulbs.....	349
<b>Head-up display</b> .....	<b>91</b>
Driving information display area...	91
Hybrid System Indicator.....	94
Navigation system-linked display.	94
Settings .....	92
<b>Heaters</b>	
Automatic air conditioning system .....	272
Outside rear view mirrors.....	274
Rear automatic air conditioning sys- tem.....	278
Seat heaters.....	281
<b>High mounted stoplight</b>	
Replacing light bulbs.....	349
<b>High-voltage components</b> .....	<b>55</b>
<b>Hill-start assist control</b> .....	<b>259</b>
<b>Hood</b>	
Open .....	317
<b>Hooks</b>	
Cargo net hooks.....	290
Coat hooks.....	295
Retaining hooks (floor mat).....	22
<b>Horn</b> .....	<b>136</b>
<b>Hybrid battery (traction battery)</b>	
Location .....	55
Specification.....	411
Warning message .....	58
<b>Hybrid battery (traction battery) air vents</b> .....	<b>57</b>
<b>Hybrid system</b> .....	<b>52</b>
Emergency shut off system.....	58
Energy monitor/consumption screen .....	96
EV drive mode .....	164
High voltage components .....	55
Hybrid system precautions.....	55
If the hybrid system will not start	392
Overheating .....	404

Power (ignition) switch .....	160
Regenerative braking .....	53
Starting the hybrid system.....	160
<b>Hybrid System Indicator</b> .....	<b>70, 94</b>
<b>Hybrid transmission</b> .....	<b>166</b>
S mode .....	167
<b>Hybrid vehicle driving tips</b> .....	<b>264</b>

**I**

<b>Identification</b>	
Engine .....	410
Vehicle.....	408
<b>Ignition switch (power switch)</b> ....	<b>160</b>
Auto power off function .....	162
Changing the power switch modes .....	162
If your vehicle has to be stopped in an emergency .....	360
<b>Immobilizer system</b> .....	<b>59</b>
<b>Indicators</b> .....	<b>66</b>
<b>Initialization</b>	
Items to initialize.....	428
Maintenance.....	321
Power windows .....	141
Tire pressure warning system ....	332
<b>Inside rear view mirror</b> .....	<b>137</b>
<b>Installing a CRS to a front passenger seat</b> .....	<b>39</b>
<b>Instrument panel light control</b> .....	<b>71</b>
<b>Interior lights</b> .....	<b>283</b>
Front interior light .....	283
Rear interior light.....	283

**J**

<b>Jack</b>	
Positioning a floor jack .....	318
Vehicle-equipped jack .....	382
<b>Jack handle</b> .....	<b>382</b>
<b>Jam protection function</b>	
Electronic roof sunshade.....	148
Moon roof .....	144
Panoramic moon roof.....	148
Power back door .....	117

Power windows ..... 141

**K**

**Keyless entry**

Smart entry & start system ..... 121  
Wireless remote control ..... 107

**Keys**

Battery-saving function ..... 122  
Electronic key ..... 106  
If the electronic key does not operate properly ..... 395  
If you lose your keys ..... 394  
Key number plate ..... 106  
Keyless entry ..... 109, 114, 121  
Mechanical key ..... 106  
Power switch ..... 160  
Replacing the battery ..... 345  
Warning buzzer ..... 121  
Wireless remote control ..... 107

**Knee airbags** ..... 29

**L**

**Lane Departure Alert with steering control (LDA)**

Operation ..... 210  
Warning messages ..... 217

**Lane Tracing Assist (LTA)**

Operation ..... 200  
Warning messages ..... 209

**Language (multi-information display)** ..... 77, 86

**LDA (Lane Departure Alert with steering control)**

Operation ..... 210  
Warning messages ..... 217

**LDA (Lane Departure Alert with steering control) switch** ..... 214

**Lever**

Auxiliary catch lever ..... 317  
Hood lock release lever ..... 317  
Shift lever ..... 166  
Turn signal lever ..... 169  
Wiper lever ..... 181, 184

**License plate lights**

Light switch ..... 175  
Replacing light bulbs ..... 349

**Light bulbs**

Replacing ..... 349

**Lights**

Automatic High Beam system ..... 178  
Fog light switch ..... 180  
Front interior lights ..... 284  
Front personal lights ..... 284  
Headlight switch ..... 175  
Interior lights ..... 283  
Interior lights list ..... 283  
Rear interior lights ..... 284  
Rear personal lights ..... 284  
Replacing light bulbs ..... 349  
Turn signal lever ..... 169  
Vanity lights ..... 297

**Lock steering column** ..... 160

**LTA (Lane Tracing Assist)**

Operation ..... 200  
Warning messages ..... 209

**Luggage cover** ..... 291

**M**

**Maintenance**

Do-it-yourself maintenance ..... 315  
Maintenance data ..... 408  
Maintenance requirements ..... 307  
Scheduled maintenance ..... 309

**Malfunction indicator lamp** ..... 370

**Manual headlight leveling dial** ..... 176

**Menu icons** ..... 72, 81

**Meter**

Clock ..... 69, 72  
Hybrid System Indicator ..... 70  
Indicators ..... 66  
Instrument panel light control ..... 71  
Meter control switches ..... 73, 81  
Meters ..... 69  
Multi-information display ..... 72, 81  
Settings ..... 77, 86  
Warning lights ..... 369  
Warning message ..... 377

**Mirrors**

- Inside rear view mirror ..... 137
- Outside rear view mirror defoggers ..... 274
- Outside rear view mirrors ..... 138
- Vanity mirrors ..... 297

**Moon roof**

- Door lock linked moon roof operation ..... 144
- Jam protection function ..... 144
- Operation ..... 144

**Multi Weather Lights**

- Switch ..... 180

**Multi-information display** ..... **72, 81**

- Audio system-linked display ..... 76, 85
- AWD Control ..... 77, 85
- Cruise control ..... 237
- Driving information display ..... 73, 82
- Driving support system ..... 86
- Driving support system information display ..... 76, 85
- Dynamic radar cruise control ..... 228
- Dynamic radar cruise control with full-speed range ..... 218
- ECO Accelerator Guidance ..... 74, 83
- Eco score ..... 74, 83
- Energy monitor ..... 77, 85, 96
- Fuel economy ..... 74, 82
- LDA (Lane Departure Alert with steering control) ..... 214
- LTA (Lane Tracing Assist) ..... 206
- Menu icons ..... 72, 81
- Meter control switches ..... 73, 81
- Navigation system-linked display ..... 76, 85
- Pop-up display ..... 72, 81
- Settings ..... 77, 86
- Suggestion function ..... 80, 89
- Tire pressure ..... 77, 85, 330
- Vehicle information display ..... 76, 85
- Warning message ..... 80, 89, 377

**N**

- Navigation system-linked display** ..... **76, 85, 94**

- Normal mode** ..... **256**

**O**

- “ODO TRIP” switch** ..... **71**

- Odometer** ..... **71**

**Odometer and trip meter display**

- Display items ..... 71
- “ODO TRIP” switch ..... 71

**Oil**

- Engine oil ..... 411
- Rear differential oil ..... 414

**Opener**

- Back door ..... 115
- Fuel filler door ..... 185
- Hood ..... 317

**Outer foot lights**

- Replacing light bulbs ..... 349

**Outside rear view mirrors**

- Adjustment ..... 138
- BSM (Blind Sport Monitor) ..... 239
- Folding ..... 139
- Linked mirror function when reversing ..... 139
- Mirror position memory ..... 131
- Outside rear view mirror defoggers ..... 274
- RCTA function ..... 251

- Outside temperature** ..... **69**

- Overheating** ..... **403**

**P****Panoramic moon roof**

- Jam protection function ..... 148
- Operation ..... 147

**Parking assist sensors (Toyota parking assist-sensor)** ..... **244****Parking brake**

- Operation ..... 169

Parking brake engaged warning buzzer .....	171	Radar cruise control (dynamic radar cruise control with full-speed range) .....	218
Warning light .....	374	Radiator .....	323
Warning message .....	171	<b>RCTA</b>	
<b>Parking lights</b>		Function .....	251
Light switch .....	175	Warning message .....	252
Replacing light bulbs .....	349	<b>RCTA function</b> .....	253
<b>PCS (Pre-Collision System)</b>		Rear automatic air conditioning sys- tem .....	278
Function .....	192	Rear Cross Traffic Alert (RCTA) ...	251
PCS OFF switch .....	195	Rear door sunshades .....	297
Warning light .....	374	Rear fog lights	
<b>Personal lights</b> .....	283	Switch.....	180
<b>Power control unit</b> .....	55	<b>Rear seats</b> .....	126
<b>Power control unit coolant</b>		Head restraints.....	133
Capacity .....	413	Seat heaters.....	281
Checking .....	322	<b>Rear turn signal lights</b>	
Preparing and checking before win- ter .....	266	Replacing light bulbs .....	349
<b>Power outlets</b> .....	296	Turn signal lever.....	169
<b>Power steering (Electric power steering system)</b> .....	259	<b>Rear view mirror</b>	
Warning light .....	371	Inside rear view mirror.....	137
<b>Power switch</b> .....	160	Outside rear view mirrors .....	138
Auto power off function .....	162	<b>Rear window defogger</b> .....	274
Changing the power switch modes .....	162	<b>Refueling</b>	
<b>Power switch (engine switch)</b>		Capacity .....	411
If your vehicle has to be stopped in an emergency .....	360	Fuel types.....	411
<b>Power windows</b>		If the fuel filler door cannot be opened .....	394
Door lock linked window operation .....	142	Opening the fuel tank cap .....	185
Jam protection function .....	141	<b>Regenerative braking</b> .....	53
Operation .....	141	<b>Replacing</b>	
Window lock switch .....	143	Electronic key battery .....	345
<b>Pre-Collision System (PCS)</b>		Fuses .....	346
Function .....	192	Light bulbs .....	349
PCS OFF switch .....	195	Tires .....	381
Warning light .....	374		

**R**

<b>Radar cruise control</b> .....	228
-----------------------------------	-----

**S**

<b>Seat belt reminder light</b> .....	372
<b>Seat belts</b> .....	25
Child restraint system installation ..	38
Cleaning and maintaining the seat belt .....	305
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 .....	372
Seat belt pretensioners .....	27
SRS warning light .....	370
<b>Seat heaters .....</b>	<b>281</b>
<b>Seat position memory .....</b>	<b>131</b>
<b>Seat ventilators.....</b>	<b>281</b>
<b>Seats</b>	
Adjustment .....	125
Adjustment precautions .....	125
Child seats/child restraint system installation.....	38
Cleaning .....	305
Driving position memory .....	131
Head restraints.....	133
Properly sitting in the seat.....	23
Seat heaters.....	281
Seat position memory .....	131
Seat ventilators .....	281
<b>Sensor</b>	
Automatic headlight system .....	175
Automatic High Beam system....	178
Inside rear view mirror .....	138
LDA (Lane Departure Alert with steering control).....	210
LTA (Lane Tracing Assist) .....	200
Radar sensor .....	187, 240
Rain-sensing windshield wipers.	182
RCTA.....	252
Toyota parking assist-sensor .....	244
<b>Service plug .....</b>	<b>55</b>
<b>Shift lever</b>	
Hybrid transmission .....	166
If the shift lever cannot be shifted from P .....	167
<b>Shift lever light .....</b>	<b>283</b>
<b>Shift lock system.....</b>	<b>167</b>
<b>Shopping bag hooks .....</b>	<b>291</b>
<b>Side airbags .....</b>	<b>29</b>
<b>Side doors</b>	
Door lock.....	109
<b>Side mirrors</b>	
Adjustment .....	138
BSM (Blind Sport Monitor) .....	239
Folding .....	139
Heaters.....	274
Linked mirror function when reversing .....	139
Mirror position memory .....	131
RCTA function .....	251
<b>Side turn signal lights</b>	
Replacing light bulbs .....	349
Turn signal lever.....	169
<b>Side windows.....</b>	<b>141</b>
<b>Smart entry &amp; start system</b>	
Antenna location .....	121
Entry functions .....	109, 114
Starting the hybrid system.....	160
<b>Snow tires.....</b>	<b>266</b>
<b>Spare tire .....</b>	<b>381</b>
Storage location .....	382
<b>Spark plug .....</b>	<b>413</b>
<b>Specifications .....</b>	<b>408</b>
<b>Speed warning light.....</b>	<b>375</b>
<b>Speedometer .....</b>	<b>69</b>
<b>Sport mode.....</b>	<b>256</b>
<b>Steering lock</b>	
Column lock release.....	160
Steering lock system warning message .....	160
<b>Steering wheel</b>	
Adjustment .....	136
Meter control switches .....	73, 81
<b>Stop lights</b>	
Emergency brake signal.....	259
Replacing light bulbs .....	349
<b>Storage features .....</b>	<b>286</b>
<b>Stuck</b>	
If the vehicle becomes stuck .....	406
<b>Suggestion function .....</b>	<b>80, 89</b>
<b>Sun visors .....</b>	<b>296</b>
<b>Sunshade</b>	
Roof.....	144
<b>Switches</b>	
Activating the Automatic High Beam .....	178

Automatic High Beam system .....	178	Window lock switch .....	143
Brake Hold switch .....	172	Windshield defogger switch .....	273
Cruise control switch .....	237	Windshield wiper and washer switch .....	181, 184
Door lock switches .....	111		
Driving mode select switch .....	256		
Driving position memory switches .....	131		
Dynamic radar cruise control .....	228		
Dynamic radar cruise control with full-speed range switch .....	218		
Electronic roof sunshade switches .....	147		
Emergency flashers switch .....	360		
EV drive mode switch .....	164		
Fog light switch .....	180		
Ignition switch .....	160		
Instrument panel light control switches .....	71		
Light switches .....	175		
LTA (Lane Tracing Assist) switch .....	205		
Meter control switches .....	73, 81		
Moon roof switches .....	144		
"ODO TRIP" switch .....	71		
Outside rear view mirror switches .....	138		
Panoramic moon roof switches .....	147		
Parking brake switch .....	169		
PCS OFF switch .....	195		
Power door lock switch .....	111		
Power switch .....	160		
Power window switches .....	141		
RCTA switch .....	251		
Rear window and outside rear view mirror defoggers switch .....	274		
Seat heater switches .....	281		
Seat ventilator switches .....	281		
Tilt and telescopic steering control switch .....	136		
Tire pressure warning reset switch .....	333		
Toyota parking assist-sensor switch .....	245		
Vehicle-to-vehicle distance switch .....	218, 228		
VSC OFF switch .....	260		
<b>T</b>			
<b>Tachometer</b> .....	<b>69</b>		
<b>Tail lights</b>			
Light switch .....	175		
Replacing light bulbs .....	349		
<b>The Secondary Collision Brake</b> .....	<b>259</b>		
<b>Theft deterrent system</b>			
Alarm .....	60		
Immobilizer system .....	59		
<b>Tire inflation pressure</b>			
Maintenance data .....	415		
Tire inflation pressure display function .....	330		
Warning light .....	372		
<b>Tire pressure display</b> .....	<b>330</b>		
<b>Tire pressure warning system</b>			
Function .....	330		
Initializing .....	332		
Installing tire pressure warning valves and transmitters .....	332		
Registering ID codes .....	335		
Warning light .....	372		
<b>Tires</b>			
Chains .....	267		
Checking .....	328		
If you have a flat tire .....	381		
Inflation pressure .....	338		
Replacing .....	381		
Rotating tires .....	329		
Size .....	415		
Snow tires .....	266		
Spare tire .....	381		
Tire inflation pressure display function .....	330		
Tire pressure warning system .....	330		
Warning light .....	372		
<b>Tools</b> .....	<b>382</b>		
<b>Top tether anchorages</b> .....	<b>46</b>		

<b>Towing</b>	
Emergency towing .....	363
Towing eyelet .....	366
Trailer towing .....	159
<b>Toyota parking assist-sensor</b>	
Function .....	244
Warning message .....	246
<b>Toyota Safety Sense</b>	
Automatic High Beam .....	178
Dynamic radar cruise control .....	228
Dynamic radar cruise control with full-speed range .....	218
LDA (Lane Departure Alert with steering control) .....	210
LTA (Lane Tracing Assist) .....	200
PCS (Pre-Collision System) .....	192
<b>Traction battery (hybrid battery)</b>	
Hybrid battery (traction battery) air vents .....	57
Location .....	55
Specification .....	411
Warning message .....	58
<b>Traction Control (TRC)</b> .....	<b>259</b>
<b>Traction motor (electric motor)</b> .....	<b>52</b>
<b>Trail Mode</b> .....	<b>257</b>
<b>Trailer towing</b> .....	<b>159</b>
<b>Transmission</b>	
Driving mode select switch .....	256
Hybrid transmission .....	166
If the shift lever cannot be shifted from P .....	167
S mode .....	167
<b>TRC (Traction Control)</b> .....	<b>259</b>
<b>Trip meters</b> .....	<b>71</b>
<b>Trunk</b> .....	<b>113</b>
Trunk features .....	290
<b>Turn signal lights</b>	
Replacing light bulbs .....	349
Turn signal lever .....	169
<b>USB charging ports</b> .....	<b>294</b>

**U**

<b>V</b>	
<b>Vanity lights</b> .....	<b>297</b>
<b>Vanity mirrors</b> .....	<b>297</b>
<b>VDIM (Vehicle Dynamics Integrated Management)</b> .....	<b>259</b>
<b>Vehicle data recording</b> .....	<b>6</b>
<b>Vehicle Dynamics Integrated Management (VDIM)</b> .....	<b>259</b>
<b>Vehicle identification number</b> .....	<b>408</b>
<b>Vehicle information display</b> .....	<b>76, 85</b>
<b>Vehicle Stability Control (VSC)</b> .....	<b>258</b>
<b>Ventilators (seat ventilators)</b> .....	<b>281</b>
<b>VSC (Vehicle Stability Control)</b> .....	<b>258</b>

**W**

<b>Warning buzzers</b>	
ABS .....	371
Airbags .....	370
Approach warning .....	224, 233
Brake hold .....	375
Brake Override System .....	371
Brake system .....	369
Charging system .....	370
Downshifting .....	168
Drive-Start Control .....	371
Electric power steering .....	371
Engine .....	370
Hands off steering wheel warning (LTA) .....	208
High coolant temperature .....	369
Hybrid system .....	370
Hybrid system overheat .....	370
LDA (Lane Departure Alert with steering control) .....	210, 372
Low engine oil pressure .....	370
LTA (Lane Tracing Assist) .....	200, 203, 372
Open door .....	110, 112
Pre-collision braking .....	194
RCTA (Rear Cross Traffic Alert) .....	373
Seat belt .....	372
Toyota parking assist-sensor .....	248, 250, 373

<b>Warning label</b> .....	<b>55</b>
<b>Warning lights</b> .....	<b>369</b>
ABS .....	371
Brake hold operated indicator .....	375
Brake Override System .....	371
Brake system .....	369
Charging system .....	370
Drive-Start Control .....	371
Electric power steering .....	371
High coolant temperature .....	369
Hybrid system overheat warning light .....	370
LDA indicator .....	372
Low engine oil pressure .....	370
Low fuel level .....	371
LTA indicator .....	372
Malfunction indicator lamp .....	370
Parking brake indicator .....	374
Pre-collision system .....	374
RCTA OFF indicator .....	373
Seat belt reminder light .....	372
Slip indicator .....	374
Speed warning light .....	375
SRS .....	370
Tire pressure .....	372
Toyota parking assist-sensor OFF indicator .....	373
<b>Warning message</b> .....	<b>80, 89</b>
<b>Warning messages</b> .....	<b>377</b>
<b>Washer</b>	
Adding .....	323
Preparing and checking before winter .....	266
Switch .....	181, 184
<b>Washing and waxing</b> .....	<b>302</b>
<b>Wheels</b> .....	<b>339</b>
Size .....	415
<b>Window lock switch</b> .....	<b>143</b>
<b>Windows</b>	
Power windows .....	141
Rear window defogger .....	274
Washer .....	181, 184
<b>Windshield defogger</b> .....	<b>273</b>
<b>Windshield wipers</b>	
Rain-sensing windshield wipers .....	181, 184
<b>Winter driving tips</b> .....	<b>266</b>
<b>Wireless remote control</b>	
Battery-Saving Function .....	122
Locking/Unlocking .....	107
Replacing the battery .....	345

**For information regarding the equipment listed below, refer to the “Navigation and Multi-media System Owner’s Manual”.**

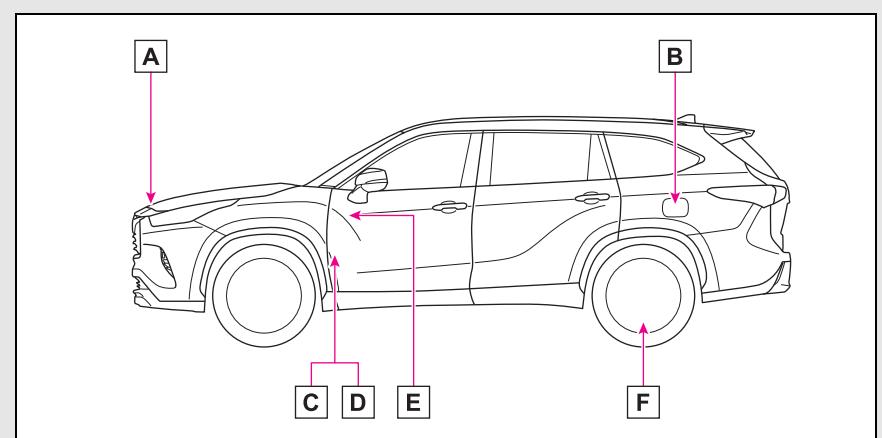
- Navigation system
- Audio/visual system
- Rear seat entertainment system
- Rear view monitor system
- Panoramic view monitor

**Alphabetical Index      445**

**446**      **Alphabetical Index**



## GAS STATION INFORMATION



- A** Auxiliary catch lever (→P.317)
- B** Fuel filler door (→P.186)
- C** Hood lock release lever (→P.317)
- D** Fuel filler door opener (→P.186)
- E** Power back door switch\* (→P.116)
- F** Tire inflation pressure (→P.415)

\*: If equipped

Fuel tank capacity (Reference)	65 L (17.1 gal., 14.2 Imp. gal.)	
Fuel type	Unleaded gasoline only	P.411
Cold tire inflation pressure		P.415
Engine oil capacity (Drain and refill — reference)		P.411
Engine oil type		P.411

P X-1



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