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

For your information 6
Reading this manual..... 12
How to search 13
Pictorial index..... 14

1 For safety and security

1-1. For safe use
Before driving..... 36
For safe driving 37
Seat belts..... 38
SRS airbags..... 43
Exhaust gas precautions 50

1-2. Child safety
Riding with children..... 51
Child restraint systems (except for India) 52
Child restraint systems (for India)..... 82

1-3. Emergency assistance
eCall..... 100
ERA-GLONASS/EVAK 103
Toyota Connected Services 106

1-4. Theft deterrent system
Engine immobilizer system . 110
Double locking system..... 111
Alarm 112
Fingerprint Authentication System..... 116

2 Vehicle status information and indicators

2-1. Instrument cluster
Warning lights and indicators 124
Gauges and meters (with 7-inch display) 130
Gauges and meters (with 12.3-inch display)..... 135
Multi-information display (7-inch display) 141
Multi-information display (12.3-inch display)..... 150
Head-up display..... 162
Fuel consumption information 166

3 Before driving

3-1. Key information
Keys..... 170

3-2. Opening, closing and locking the doors
Side doors..... 174
Back door..... 179
Smart entry & start system . 196

3-3. Adjusting the seats
Front seats..... 201
Rear seats 202
Head restraints 211

3-4. Adjusting the steering wheel and mirrors
Steering wheel..... 214
Inside rear view mirror 216
Outside rear view mirrors.... 217

3-5. Opening, closing the windows and moon roof
Power windows..... 220
Moon roof..... 223

3-6. Favorite settings
Driving position memory 226

My Settings 231

4 Driving

4-1. Before driving

Driving the vehicle 239
Cargo and luggage 246
Trailer towing (with towing hitch) 247
Pintle hook 255
Electric winch 256

4-2. Driving procedures

Engine (ignition) switch 265
Automatic transmission (with M mode) 270
Automatic transmission (with S mode) 273
Turn signal lever 277
Parking brake 278
Brake Hold 282

4-3. Operating the lights and wipers

Headlight switch 285
AHS (Adaptive High-beam System) 290
AHB (Automatic High Beam) 293
Fog light switch 296
Windshield wipers and washer 298
Rear window wiper and washer 301

4-4. Refueling

Opening the fuel tank cap 303

4-5. Using the driving support systems

Toyota Safety Sense 306
PCS (Pre-Collision System) 312
LTA (Lane Tracing Assist) 325
LDA (Lane Departure Alert) 330
RSA (Road Sign Assist) 335
Dynamic radar cruise control 339
Cruise control (Vehicles with Toyota Safety Sense) 350
Cruise control (Vehicles without Toyota Safety Sense) 353
Emergency Driving Stop System 356
Stop & Start system 358
BSM (Blind Spot Monitor) 364
Rear Vehicle Approaching Indication 370
Automatic Rear Flashing Hazard Lights 373
Secondary Collision Brake (Rear Impacts while Stopped) 375
Safe Exit Assist 377
Toyota parking assist-sensor 382
RCTA (Rear Cross Traffic Alert) function 388
RCD (Rear Camera Detection) 393
PKSB (Parking Support Brake) 397
Parking Support Brake function (static objects front and rear of the vehicle) 401

Parking Support Brake function (moving vehicles rear of the vehicle) 404
Parking Support Brake function (pedestrians rear of the vehicle) 405
Multi-terrain Monitor 407
Driving mode select switch 473
Four-wheel drive system 475
Front differential lock system 478
Rear differential lock system 480
Crawl Control (with Turn Assist function) 481
Multi-terrain Select 486
Downhill assist control system 489
DPF (Diesel Particulate Filter) system 491
Driving assist systems 494

4-6. Driving tips

Off-road precautions 500
Winter driving tips 502
Eco-friendly driving tips 505

5 Interior features

5-1. Using the air conditioning system and defogger

Front automatic air conditioning system 510
Rear cooler system 520
Rear automatic air conditioning system 522
Heated steering wheel/seat heaters/seat ventilators 524

5-2. Using the interior lights

Interior lights list 528

5-3. Using the storage features

List of storage features 532
Luggage compartment features 537

5-4. Using the other interior features

Other interior features 541

6 Maintenance and care

6-1. Maintenance and care

Cleaning and protecting the vehicle exterior 558
Cleaning and protecting the vehicle interior 562

6-2. Maintenance

Maintenance requirements 565
Scheduled maintenance 567

6-3. Do-it-yourself maintenance

Do-it-yourself service precautions 577
Hood 579
Engine compartment 580
Draining the fuel filter water (diesel engine only) 595
AdBlue™ 596
Electric winch 601
Tires 602
Tire inflation pressure 612
Wheels 613
Air conditioning filter 615
Electronic key battery 616

Checking and replacing fuses 618
Light bulbs 623

7 When trouble arises

7-1. Essential information
Emergency flashers 628
If your vehicle has to be stopped in an emergency 628
If the vehicle is submerged or water on the road is rising 629

7-2. Steps to take in an emergency
If your vehicle needs to be towed 631
If you think something is wrong 634
Fuel pump shut off system (gasoline engine only) 635
If a warning light turns on or a warning buzzer sounds.....636
If a warning message is displayed 646
If you have a flat tire 653
If the engine will not start....663
If you lose your keys 665
If the electronic key or fingerprint authentication system does not operate properly.665
If the vehicle battery is discharged.....667
If your vehicle overheats.....674
If you run out of fuel and the engine stalls (diesel engine only).....677
If the vehicle becomes stuck 677

8 Vehicle specifications

8-1. Specifications
Maintenance data (fuel, oil level, etc.).....680
Fuel information 698

8-2. Customization
Customizable features 700

8-3. Initialization
Items to initialize 720

Index

What to do if... (Troubleshooting) 722
Alphabetical Index 725

For your information

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

Main Owner's Manual

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

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

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

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

Accessories, spare parts and modification of your Toyota

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

spare parts and accessories which are not genuine Toyota products, nor for replacement or installation involving such parts.

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

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

Cyber Attack Risk

Installing electronic devices and radios increases the risk of cyber attacks through the installed parts, which may lead to unexpected accidents and leakage of personal information. Toyota does not make any guarantees for problems caused by installing non-genuine Toyota products.

Installation of an RF-transmitter system

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

- Multiport fuel injection system/sequential multiport fuel injection system
- Toyota Safety Sense
- 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.

Vehicle data recording (vehicles without Toyota Safety Sense)

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

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

Your vehicle is equipped with cameras.

Contact your Toyota dealer for the location of recording cameras.

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

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

● Data usage

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

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

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

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

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

Vehicle data recording (vehicles with Toyota Safety Sense)

This vehicle is equipped with sophisticated computers that record certain data regarding vehicle controls and operations.

■ Data recorded by the computers

Certain data, such as the following, is recorded depending on the operation timing and status of each function.

- Engine speed/Electric motor speed (traction motor speed)
- Accelerator status
- Brake status
- Vehicle speed
- Operation status of the driving assist systems
- Images from the cameras
  Your vehicle is equipped with cameras. Contact your Toyota dealer for the location of recording cameras.

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

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

■ Data usage

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

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

- With the consent of the vehicle

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

Image information recorded by the vehicle can be erased by your Toyota dealer.

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

If you wish to stop the collection of Toyota Safety Sense data by the Toyota servers for the purpose of research and development and provision to individual services, contact your Toyota dealer.

Event data recorder

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

The EDR in this vehicle is designed to record such data as:
- How various systems in your vehicle were operating;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

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

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

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

● Disclosure of the EDR data

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

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

However, if necessary, Toyota may:

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

Scrapping of your Toyota

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

Noise levels inside the vehicle (V35A-FTS engine only)

For Russia, Kazakhstan and Belarus:

TECHNICAL REGULATION OF THE CUSTOMS UNION "ON THE SAFETY OF WHEELED VEHICLES" TR CU 018/2011 Attachment No.3, Section 2 (Requirements for vehicles concerning their interior noise), Table 2.1, Remarks 3

This vehicle may not be used for public purposes (as taxis, for example).

"QR Code"

The word "QR Code" is registered trademark of DENSO WAVE INCORPORATED in Japan and other countries.

Caution symbols attached to the high voltage components

High voltage components, such as the power control unit, may have labels attached indicating care required.

Each caution symbol indicates the following:

Symbols	Meanings
	Indicates danger
	Indicates high voltage part

Symbols	Meanings
	Indicates not to touch
	Indicates high temperature part

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

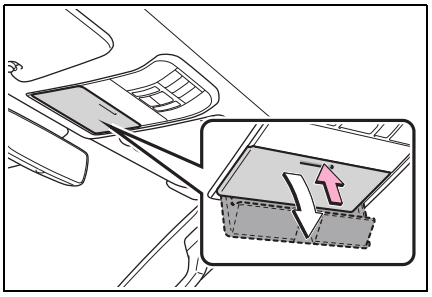
Reading this manual

Explains symbols used in this manual

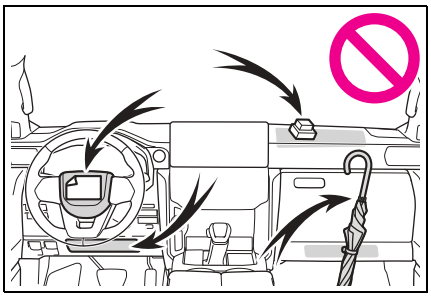
Symbols in this manual

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

Symbols in illustrations



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

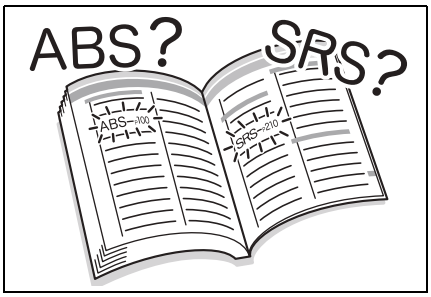


Symbols	Meanings
	Indicates the component or position being explained.
	Means **Do not**, **Do not do this**, or **Do not let this happen**.

How to search

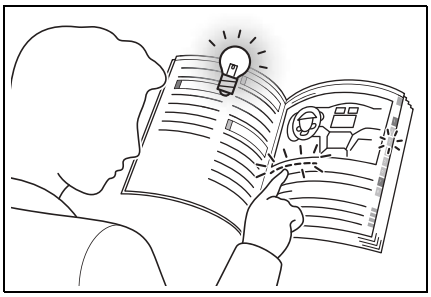
■ Searching by name

- Alphabetical index: →P.725



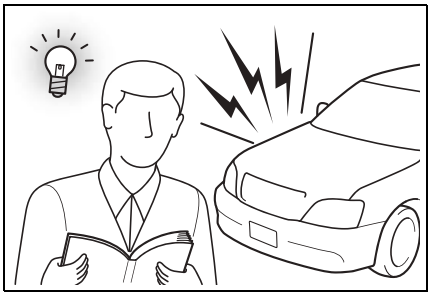
■ Searching by installation position

- Pictorial index: →P.14



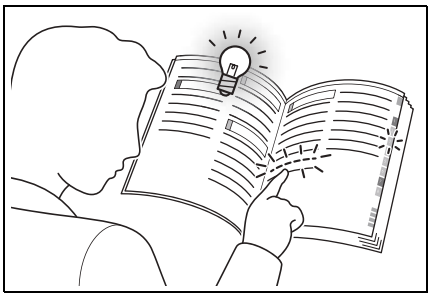
■ Searching by symptom or sound

- What to do if... (Troubleshooting): →P.722



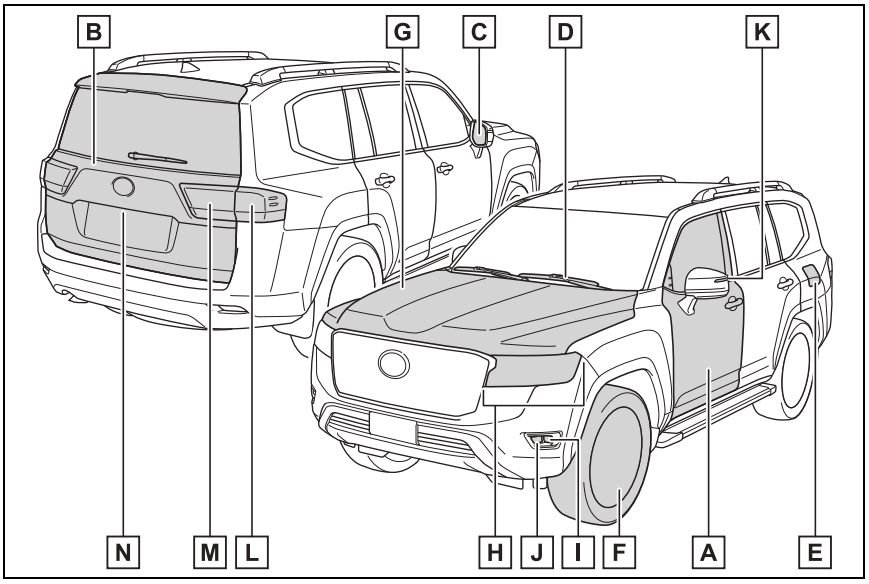
■ Searching by title

- Table of contents: →P.2



Pictorial index

■Exterior



A **Side doors P.174**

Locking/unlocking P.174, 177

Opening/closing the side windows P.220

Locking/unlocking by using the mechanical key P.666

Warning messages P.646

B **Back door P.179**

Locking/unlocking P.180

Opening/closing the back door P.181, 182

Power back door* P.182

Warning messages P.646

C **Outside rear view mirrors P.217**

Adjusting the mirror angle P.218

Folding the mirrors P.218

Driving position memory* P.227

Defogging the mirrors* P.513

D **Windshield wipers P.298**
Precautions against winter season P.502
To prevent freezing (windshield de-icer)* P.517
Precautions against car wash (rain-sensing windshield wipers)* P.559
E **Fuel filler door (include AdBlue™ tank cap*) P.303**
Refueling method P.304
Refilling AdBlue™ method* P.598
Fuel type/fuel tank capacity P.685
F **Tires P.602**
Tire size/inflation pressure P.696
Winter tires/tire chain P.502
Checking/rotation/tire pressure warning system* P.602
Coping with flat tires P.653
G **Hood P.579**
Opening P.579
Engine oil P.687
Coping with overheat P.674
Warning messages P.646

Light bulbs of the exterior lights for driving
(Replacing method: P.623, Watts: P.697)

H **Headlights/front position lights/daytime running lights/turn signal lights P.277, 285**
I **Front fog lights* P.296**
J **Cornering lights* P.289**
K **Turn signal lights P.277**
L **Stop lights/tail lights/turn signal lights P.277, 285**
M **Stop lights*/tail lights/turn signal lights*/rear fog lights* P.277, 285, 296**

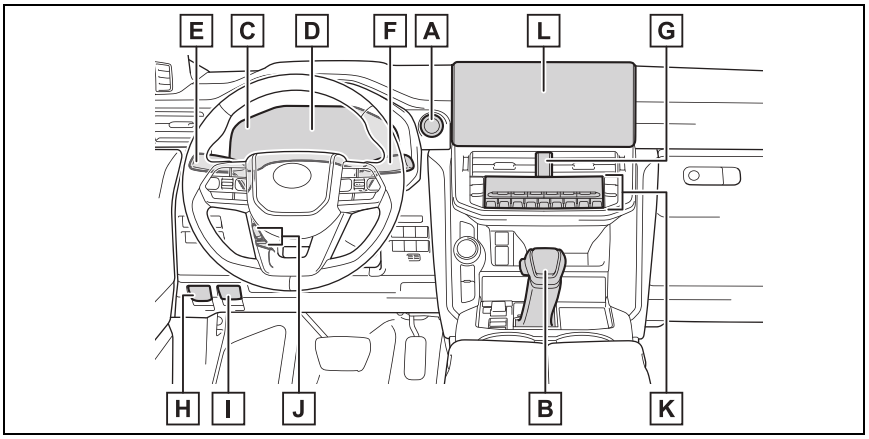
Back-up lights

Shifting the shift lever to R P.271, 275

N **License plate lights..... P.285**

*: If equipped

■Instrument panel (Left-hand drive vehicles)



A **Engine switch P.265**

Starting the engine/changing the modes P.265

Emergency stop of the engine P.628

When the engine will not start P.663

Warning messages P.646

B **Shift lever P.270, 273**

Changing the shift position P.271, 275

Precautions against towing P.631

When the shift lever does not move P.271, 275

C **Meters P.130, 135**

Reading the meters/adjusting the instrument cluster light P.130, 135

Warning lights/indicator lights P.124

When the warning lights come on P.636

D **Multi-information display P.141, 150**

Display P.141, 150

When the warning messages are displayed P.646

E **Turn signal lever P.277**

Headlight switch P.285

Headlights/front position lights/tail lights/daytime running lights P.285

Front fog lights*1/rear fog lights*1 ..... P.296

F **Windshield wiper and washer switch P.298**
Rear window wiper and washer switch P.301

Usage P.298, 301

Adding washer fluid P.592

Headlight cleaners*1 ..... P.298

Warning messages P.592

G **Emergency flasher switch P.628**

H **Fuel filler door opener (include AdBlue™ tank cap*1) P.304**

I **Hood lock release lever P.579**

J **Tilt and telescopic steering lock release lever*1/tilt and telescopic steering control switch*1 ..... P.214**

Adjustment P.214

Driving position memory*1 ..... P.227

K **Front air conditioning system P.510**

Usage P.510

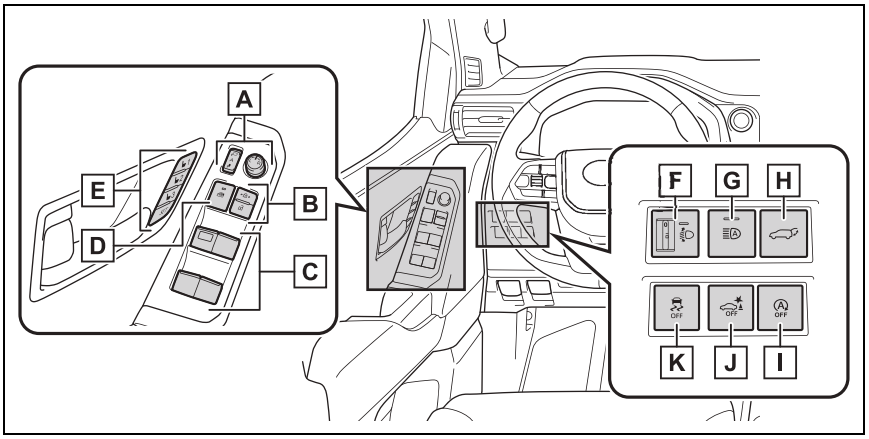
Rear window defogger P.513

L **Audio system*1, 2**

*1: If equipped

*2: Refer to “Multimedia Owner’s Manual”.

■Switches (Left-hand drive vehicles)



A Outside rear view mirror switches P.217

B Door lock switch P.177

C Power window switches P.220

D Window lock switch P.222

E Driving position memory buttons* P.227

F Manual headlight leveling dial* P.287

G Adaptive High-beam System switch* P.290
Automatic High Beam switch* P.293

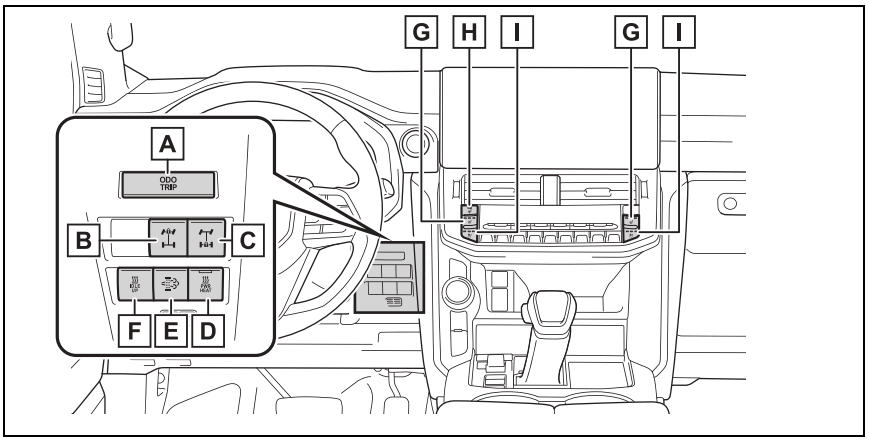
H Power back door switch* P.182

I Stop & Start cancel switch* P.359

J PKSB switch* P.398

K VSC OFF switch P.496

*: If equipped



A "ODO TRIP" switch P.132, 138

B Front differential lock switch* P.478

C Rear differential lock switch* P.480

D Power heater switch* P.518

E DPF system switch* P.492

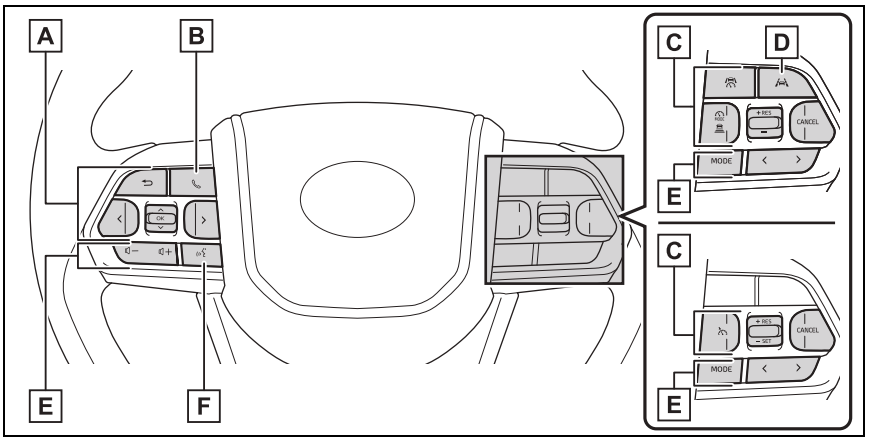
F Heater idle up switch* P.518

G Front seat heater switches* P.525

H Heated steering wheel switch* P.525

I Front seat ventilator switches* P.526

*: If equipped



A **Meter control switches P.141, 152**

B **Telephone switch*1 ..... P.554**

C **Cruise control switches**

Dynamic radar cruise control*2 ..... P.339

Cruise control P.350, 353

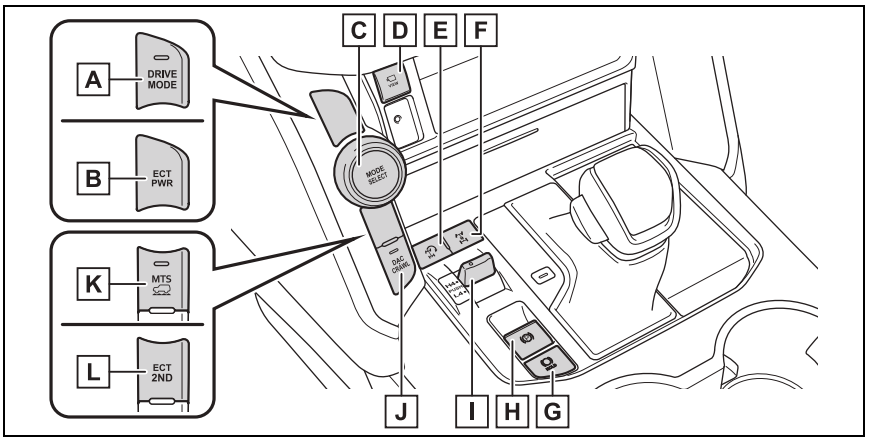
D **LTA (Lane Tracing Assist) switch*2 ..... P.327**

E **Audio remote control switches*1 ..... P.554**

F **Talk switch*1, 2 ..... P.554**

*1: For vehicles with multimedia system, refer to “Multimedia Owner’s Manual”.

*2: If equipped



A **DRIVE MODE switch*** **P.473**

B **Power mode switch*** **P.276**

C **MODE SELECT switch*** **P.473, 482, 486, 489**

D **Camera switch*** **P.412**

E **Turn Assist switch*** **P.484**

F **Center differential lock switch** **P.476**

G **Brake hold switch** **P.282**

H **Parking brake switch** **P.278**

Applying/releasing P.278

Precautions against winter season P.504

Warning buzzer/message P.280, 636

I **Four-wheel drive control switch** **P.475**

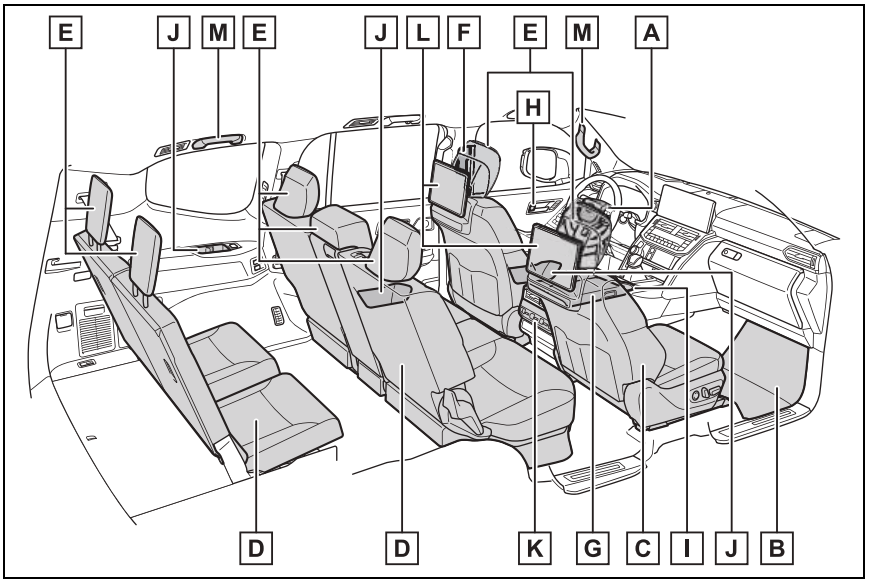
J **DAC/CRAWL switch*** **P.482, 489**

K **MTS switch*** **P.486**

L **Second start mode switch*** **P.272, 276**

*: If equipped

■Interior (Left-hand drive vehicles)



A **SRS airbags** **P.43**

B **Floor mats** **P.36**

C **Front seats** **P.201**

D **Rear seats** **P.202**

Second seats P.202

Third seats*1 ..... P.202

E **Head restraints** **P.211**

F **Seat belts** **P.38**

G **Console box*1** **P.533**

Cool box*1 ..... **P.541**

H **Inside lock buttons** **P.177**

I **Cup holders** **P.534**

J **Bottle holders** **P.535**

K **Rear cooler system*1 ..... P.520**
Rear air conditioning system*1 ..... P.522

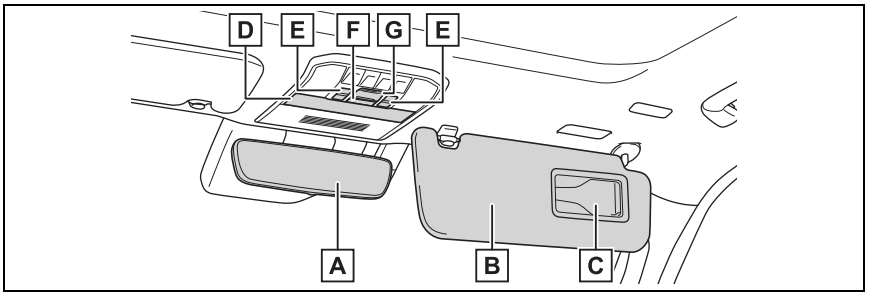
L **Rear seat entertainment system*1, 2**

M **Assist grips P.553**

*1: If equipped

*2: Refer to “Multimedia Owner’s Manual”.

■Ceiling (Left-hand drive vehicles)



A **Inside rear view mirror** **P.216**

B **Sun visors**[*1] **P.542**

C **Vanity mirrors**[*2] **P.542**

D **Interior lights**[*2, 3] **P.529**
Personal lights[*2, 3] **P.530**

E **Moon roof switches**[*2] **P.223**

F **Intrusion sensor and tilt sensor cancel switch**[*2] **P.114**

G **"SOS" button**[*2] **P.100, 104**
Indicator lights[*2] **P.101**

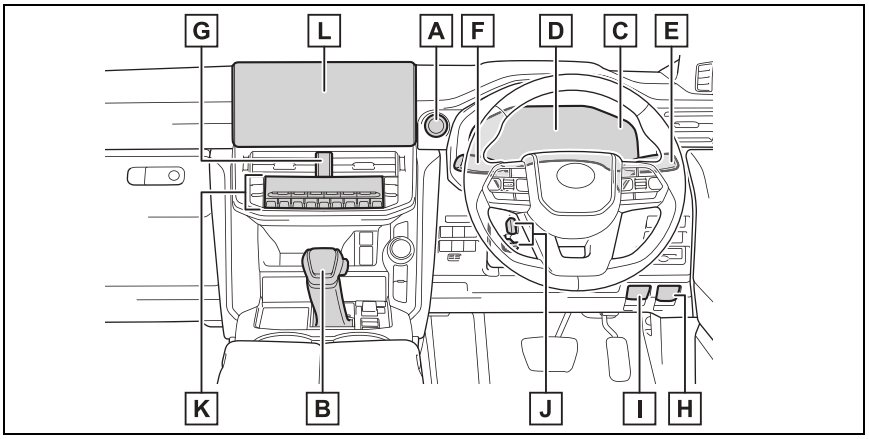
[*1]: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P.54)



[*2]: If equipped

[*3]: The illustration shows the front, but they are also equipped in the rear.

■Instrument panel (Right-hand drive vehicles)



A **Engine switch P.265**

Starting the engine/changing the modes P.265

Emergency stop of the engine P.628

When the engine will not start P.663

Warning messages P.646

B **Shift lever P.270, 273**

Changing the shift position P.271, 275

Precautions against towing P.631

When the shift lever does not move P.271, 275

C **Meters P.130, 135**

Reading the meters/adjusting the instrument cluster light P.130, 135

Warning lights/indicator lights P.124

When the warning lights come on P.636

D **Multi-information display P.141, 150**

Display P.141, 150

When the warning messages are displayed P.646

E **Turn signal lever P.277**

Headlight switch P.285

Headlights/front position lights/tail lights/daytime running lights P.285

Front fog lights[*1]/rear fog lights[*1] P.296

F **Windshield wiper and washer switch P.298**
Rear window wiper and washer switch P.301

Usage P.298, 301

Adding washer fluid P.592

Headlight cleaners[*1] P.298

Warning messages P.592

G **Emergency flasher switch P.628**

H **Fuel filler door opener (include AdBlue™ tank cap[*1]) P.304**

I **Hood lock release lever P.579**

J **Tilt and telescopic steering lock release lever[*1]/tilt and telescopic steering control switch[*1] P.214**

Adjustment P.214

Driving position memory[*1] P.227

K **Front air conditioning system P.510**

Usage P.510

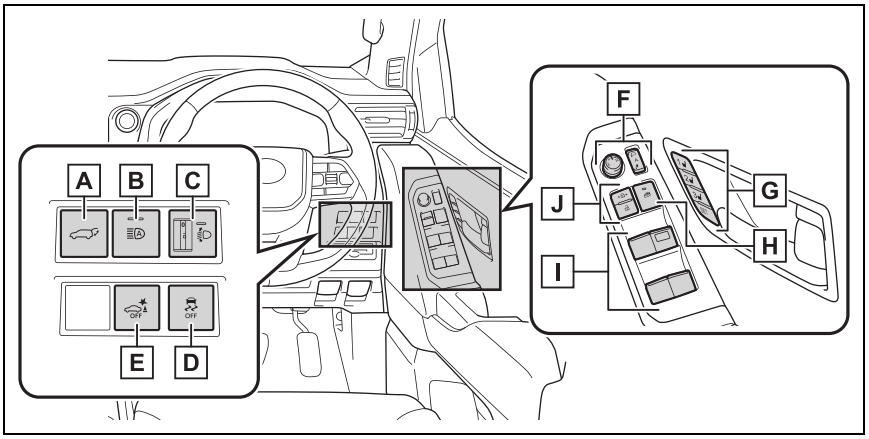
Rear window defogger P.513

L **Audio system[*1, 2]**

[*1]: If equipped

[*2]: Refer to “Multimedia Owner’s Manual”.

■Switches (Right-hand drive vehicles)



A Power back door switch* P.182

B Adaptive High-beam System switch* P.290
Automatic High Beam switch* P.293

C Manual headlight leveling dial* P.287

D VSC OFF switch P.496

E PKSB switch* P.398

F Outside rear view mirror switches P.217

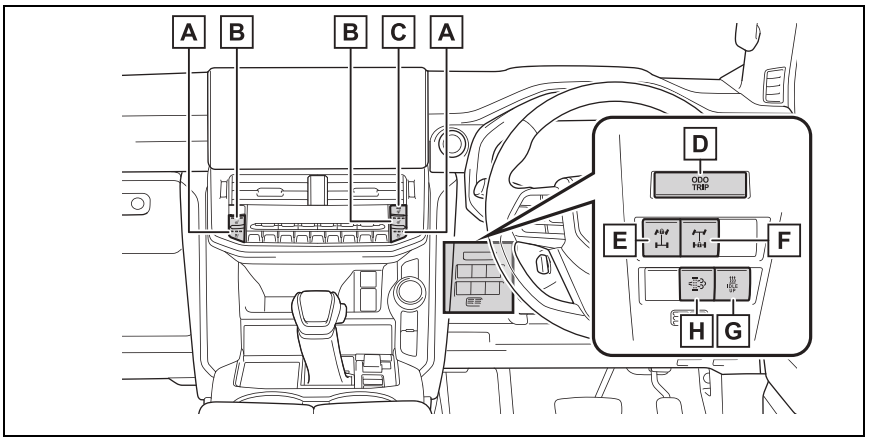
G Driving position memory buttons* P.227

H Window lock switch P.222

I Power window switches P.220

J Door lock switch P.177

*: If equipped



A Front seat ventilator switches* P.526

B Front seat heater switches* P.525

C Heated steering wheel switch* P.525

D "ODO TRIP" switch P.132, 138

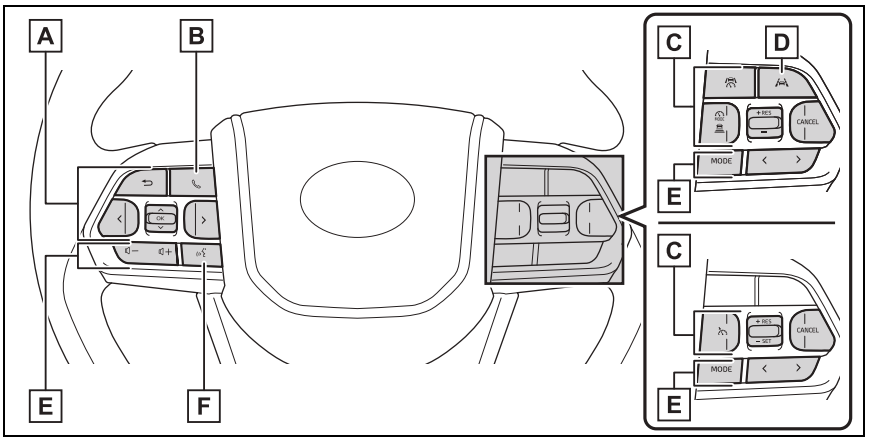
E Front differential lock switch* P.478

F Rear differential lock switch* P.480

G Heater idle up switch* P.518

H DPF system switch* P.492

*: If equipped



A **Meter control switches P.141, 152**

B **Telephone switch*1 ..... P.554**

C **Cruise control switches**

Dynamic radar cruise control*2..... P.339

Cruise control..... P.350, 353

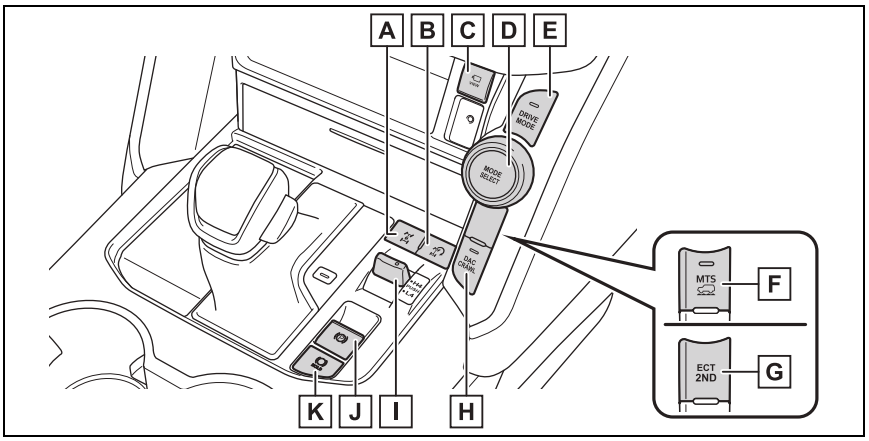
D **LTA (Lane Tracing Assist) switch*2..... P.327**

E **Audio remote control switches*1..... P.554**

F **Talk switch*1, 2**

*1: For vehicles with multimedia system, refer to “Multimedia Owner’s Manual”.

*2: If equipped



A **Center differential lock switch** **P.476**

B **Turn Assist switch*** **P.484**

C **Camera switch*** **P.412**

D **MODE SELECT switch*** **P.473, 482, 486, 489**

E **DRIVE MODE switch** **P.473**

F **MTS switch*** **P.486**

G **Second start mode switch*** **P.272, 276**

H **DAC/CRAWL switch*** **P.482, 489**

I **Four-wheel drive control switch** **P.475**

J **Parking brake switch** **P.278**

Applying/releasing P.278

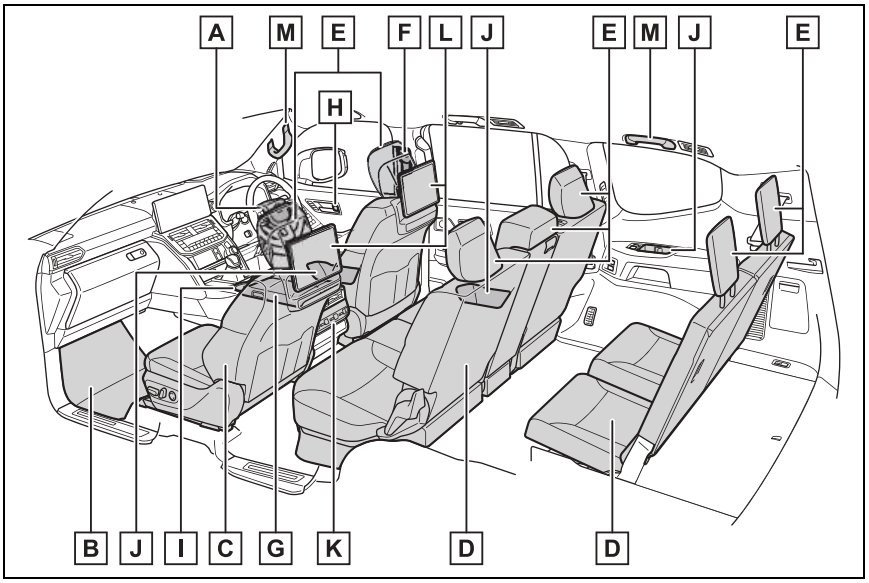
Precautions against winter season P.504

Warning buzzer/message P.280, 636

K **Brake hold switch** **P.282**

*: If equipped

■Interior (Right-hand drive vehicles)



A **SRS airbags** **P.43**

B **Floor mats** **P.36**

C **Front seats** **P.201**

D **Rear seats** **P.202**

Second seats P.202

Third seats*1 ..... P.202

E **Head restraints** **P.211**

F **Seat belts** **P.38**

G **Console box*1** **P.533**

Cool box*1 ..... **P.541**

H **Inside lock buttons** **P.177**

I **Cup holders** **P.534**

J **Bottle holders** **P.535**

K **Rear cooler system*1 ..... P.520**
Rear air conditioning system*1 ..... P.522

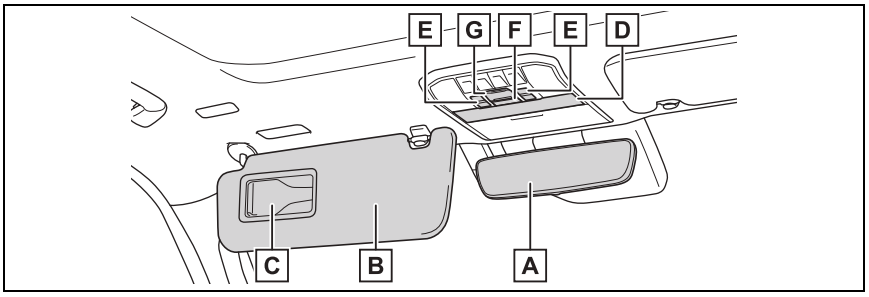
L **Rear seat entertainment system*1, 2**

M **Assist grips P.553**

*1: If equipped

*2: Refer to “Multimedia Owner’s Manual”.

■Ceiling (Right-hand drive vehicles)



A **Inside rear view mirror P.216**

B **Sun visors*1 ..... P.542**

C **Vanity mirrors*2 ..... P.542**

D **Interior lights*2, 3 ..... P.529**
Personal lights*2, 3 ..... P.530

E **Moon roof switches*2 ..... P.223**

F **Intrusion sensor and tilt sensor cancel switch*2 ..... P.114**

G **“SOS” button*2 ..... P.107**

*1: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P.54)



*2: If equipped

*3: The illustration shows the front, but they are also equipped in the rear.

1-1. For safe use

Before driving 36

For safe driving 37

Seat belts 38

SRS airbags 43

Exhaust gas precautions 50

1-2. Child safety

Riding with children 51

Child restraint systems (except for India) 52

Child restraint systems (for India) 82

1-3. Emergency assistance

eCall 100

ERA-GLONASS/EVAK 103

Toyota Connected Services 106

1-4. Theft deterrent system

Engine immobilizer system 110

Double locking system 111

Alarm 112

Fingerprint Authentication System 116

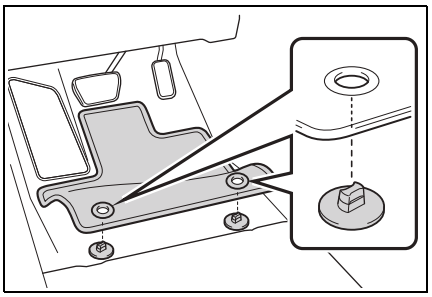
Before driving

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

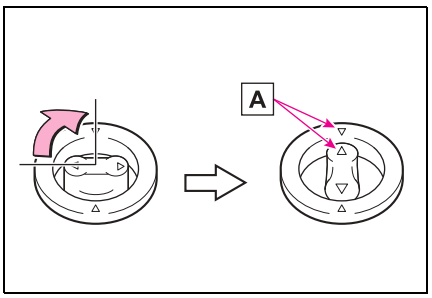
Installing floor mats

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 △ marks A .

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

WARNING

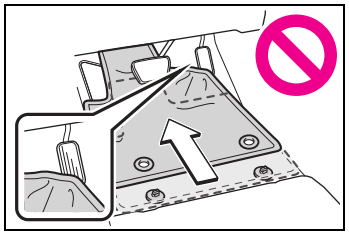
Observe the following precautions. Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle. This could lead to an accident, resulting in death or serious injury.

■ 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.

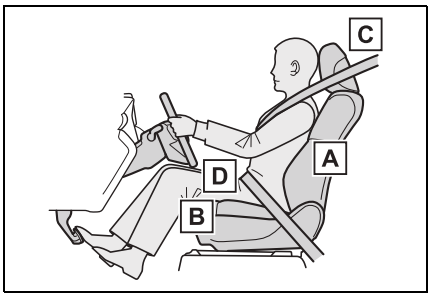


- With the engine stopped and the shift lever in P, fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

For safe driving

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

Correct driving posture



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.201)

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.201)

C Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P.211)

D Wear the seat belt correctly. (→P.39)

WARNING

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

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

Correct use of the seat belts

Make sure that all occupants are wearing their seat belts before driving the vehicle. (→P.39)

Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt. (→P.52, 82)

Adjusting the mirrors

Make sure that you can see backward clearly by adjusting the inside rear view mirror and outside rear view mirrors properly. (→P.216, 217)

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.
- Make sure that the seat belts are removed from the hangers (→P.203, 207, 209) when using the seat belts for the second outboard seats or third seats*.

*: If equipped

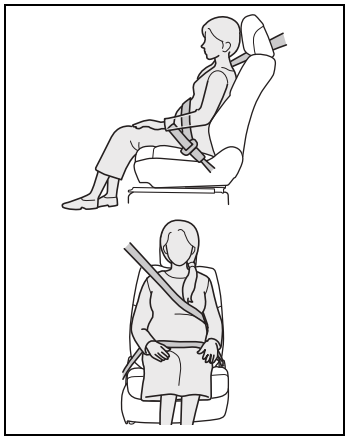
WARNING

■ Pregnant women

Obtain medical advice and wear the seat belt in the proper way. (→P.39)

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.39)

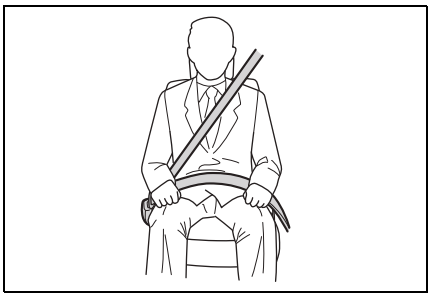
■ When children are in the vehicle

→P.51

■ Seat belt damage and wear

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

Correct use of the seat belts



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

Sit up straight and well back in the seat.

- Do not twist the seat belt.

■ Child seat belt usage

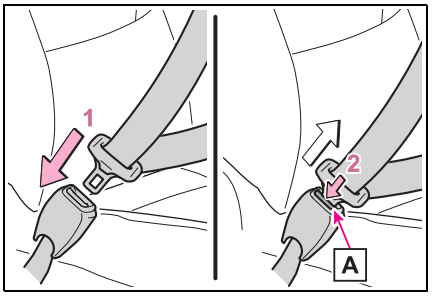
The seat belts of your vehicle were principally designed for persons of adult size.

- Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P.52, 82)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions regarding seat belt usage. (→P.38)

■ Seat belt regulations

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

Fastening and releasing the seat belt



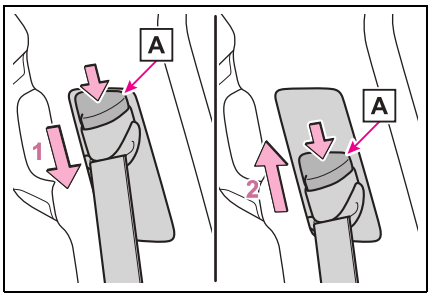
1 To fasten the seat belt, push the plate into the buckle until a click sound is heard.

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

■ Emergency locking retractor (ELR)

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

Adjusting the seat belt shoulder anchor height (front seats)



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

2 Push the seat belt shoulder anchor up while pressing the release button A .

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

⚠ WARNING

■ Adjustable shoulder anchor

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

Seat belt pretensioners

■ Front seats*1

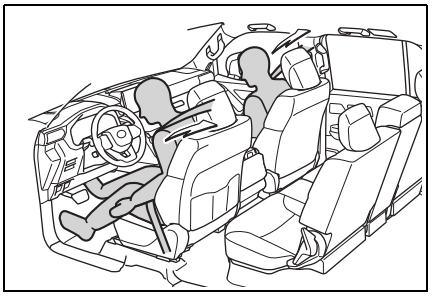
*1: For vehicles with model code*2 that has “V” and “W” as the last letter.

*2: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

▶ Vehicles without SRS side and curtain shield airbags

When the vehicle is subjected to a severe frontal impact, the seat belts of the front seats are retracted to securely restrain the occupants.

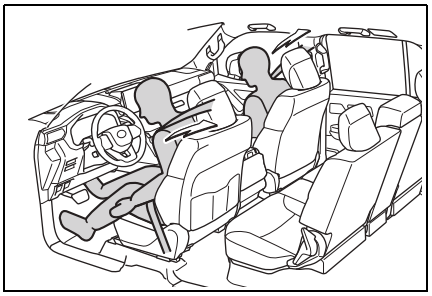
The pretensioners do not operate in minor frontal impacts, side or rear impacts, or vehicle rollovers.



▶ Vehicles with SRS side and curtain shield airbags

When the vehicle is subjected to a severe frontal or side impact, the pretensioners retract the seat belts of the front seats to securely restrain the occupants.

The pretensioners will not operate in minor frontal or side impacts, rear impacts, or vehicle rollovers.



■ Front and second outboard seats*1

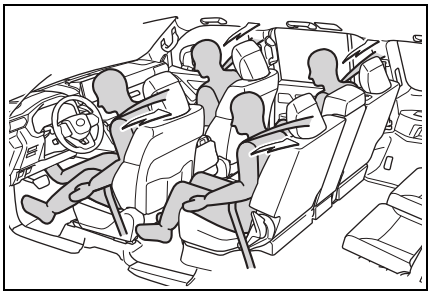
*1: Except for vehicles with model code*2 that has “V” and “W” as the last letter.

*2: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

▶ Vehicles without SRS side and curtain shield airbags

When the vehicle is subjected to a severe frontal impact, the pretensioners retract the seat belts of the front seats and rear outer seats to securely restrain the occupants.

The pretensioners will not operate in minor frontal impacts, side or rear impacts, or vehicle rollovers.

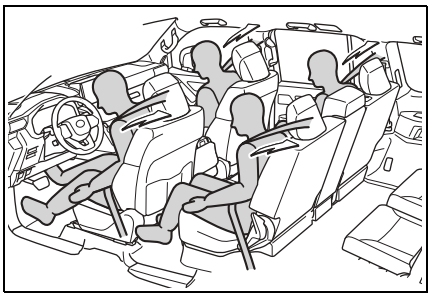


▶ Vehicles with SRS side and curtain shield airbags

When the vehicle is subjected to a

severe frontal or side impact, the pretensioners retract the seat belts of the front seats and rear outer seats to securely restrain the occupants.

The pretensioners will not operate in minor frontal or side impacts, rear impacts, or vehicle rollovers.



Replacing the belt after the pretensioner has been activated

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

PCS-linked control (vehicles with Toyota Safety Sense)

If the PCS (Pre-Collision System) determines that the possibility of a collision with a vehicle is high, the seat belt pretensioners will be prepared to operate.

WARNING

Seat belt pretensioners

If a pretensioner has operated, the SRS warning light will illuminate. In this situation, the seat belt cannot be used and must be replaced by your Toyota dealer.

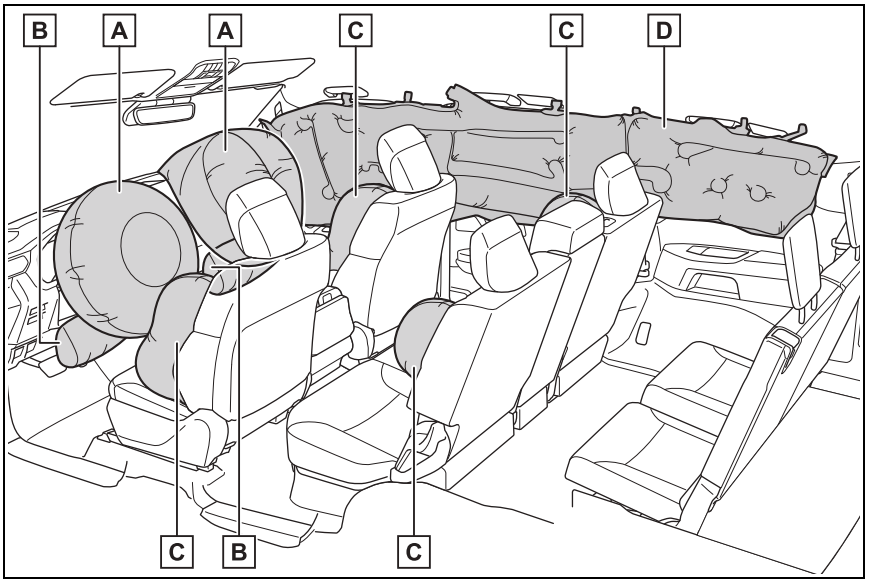
Failure to do so may result in death or serious injury.

SRS airbags

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

SRS airbag system

Location of the SRS airbags



A SRS front airbags (SRS driver airbag/SRS front passenger airbag)

Help reduce impact to the head and chest of the driver and front passenger

B SRS knee airbags

Help reduce impact to the driver and front passenger

C SRS side airbags (if equipped)

- Help reduce impact to the chest of the occupants of the front seats
- Help reduce impact to the chest of the occupants of the rear outer seats

D SRS curtain shield airbags (if equipped)

Help reduce impact to the heads of the occupants of the front and rear outer seats

The main SRS airbag system components are shown above. The SRS air-

bag 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 of 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 parts around the airbags may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.
- All of the doors will be unlocked. (→P.175)
- Vehicles with Secondary Collision Brake: The brakes and stop lights will be controlled automatically. (→P.496)
- The interior lights will turn on automatically. (→P.529)
- The emergency flashers will turn on automatically. (→P.628)
- Fuel supply to the engine will be stopped. (gasoline engine) (→P.635)

■ **Emergency call**

- Vehicles with eCall: If any of the following situations occur, the system is designed to send an emergency call* to the response center.
  - When an SRS airbag has been deployed
  - When a seat belt pretensioner has operated
  - When the vehicle received an impact exceeding a certain level
  - Emergency services may be dispatched even if there is no response to calls from the agent.

  *: In some cases, the call cannot be made. (→P.101)
- Vehicle with ERA-GLONASS/EVAK: If any of the following situations occur, the system is designed to send an emergency call* to the ERA-GLONASS/EVAK control center.
  - When an SRS airbag has been deployed
  - When a seat belt pretensioner has operated
  - When the vehicle received an impact exceeding a certain level
  - Emergency services may be dispatched even if there is no response to calls from the agent.

  *: In some cases, the call cannot be made. (→P.104)
- Vehicles with Toyota Connected Services: If any of the following situations occur, the system is designed to send an emergency call* to the response center.
  - When an SRS airbag has been deployed
  - When a seat belt pretensioner has operated
  - When the vehicle received an impact exceeding a certain level
  - Emergency services may be dispatched even if there is no response to calls from the agent.

  *: In some cases, the call cannot be made. (→P.108)

■ **The SRS airbags deploy in a frontal impact when**

- The following SRS airbags will deploy in the event of an impact that exceeds a threshold level (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):
  - SRS front airbags
  - SRS knee airbags
- The threshold level at which the SRS airbags will deploy will be higher than

normal in the in the following situations:
- When the vehicle collides with an object, such as a parked vehicle or sign pole, which moves or deforms 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, only the following may deploy:
- Seat belt pretensioners

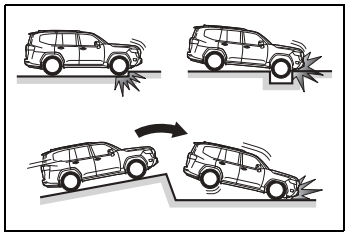
● Vehicles with SRS curtain shield airbags: In the event of an especially severe frontal collision, the left and right SRS curtain shield airbags may also deploy.

■ Vehicles with SRS curtain shield airbags: The SRS airbags deploy in a side impact when

● The following SRS airbags will deploy in the event of an impact that exceeds the set threshold level (level of force corresponding to the impact force produced by an approximately 1500 kg [3300 lb.] vehicle colliding with the passenger compartment at a perpendicular angle at an approximate speed of 20 - 30 km/h [12 - 18 mph]):
- SRS side airbags
- SRS curtain shield airbags

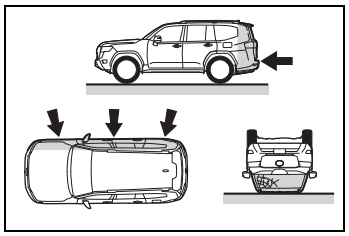
■ The SRS airbags deploy in an underside impact when

● The following airbags may deploy if the underside of the vehicle collides with a hard object:
- SRS front airbags
- SRS knee airbags
- SRS side airbags (if equipped)
- SRS curtain shield airbags (if equipped)

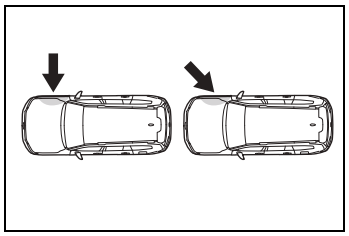


■ The SRS airbags will not deploy when

● The following SRS airbags will not normally deploy in side or rear collisions, vehicle rollovers, or low speed frontal collisions. However, if such a collision causes sufficient sudden deceleration, the SRS airbags may deploy.
- SRS front airbags
- SRS knee airbags

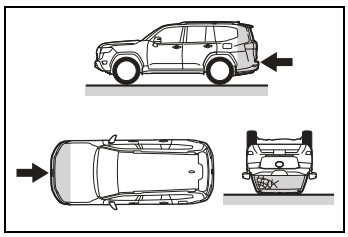


● Vehicles with SRS curtain shield airbags: The following SRS airbags may not deploy if the vehicle is collided with at a certain angle or in a side collision where an area of the vehicle other than the passenger compartment is collided with:
- SRS side airbags
- SRS curtain shield airbags



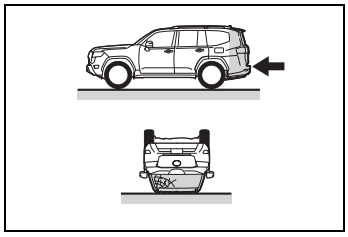
● The following SRS airbags will not normally deploy in front or rear collisions, vehicle rollovers, or low speed side collisions:

• SRS side airbags (if equipped)



● The following SRS airbags will not normally deploy in rear collisions, vehicle rollovers, or low speed front or side collisions:

• SRS curtain shield airbags (if equipped)



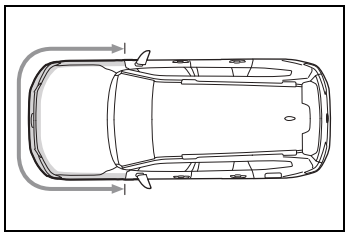
■ When to contact your Toyota dealer

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

● When any of the SRS airbags have been deployed

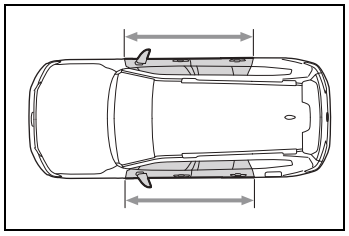
● When the front of the vehicle is damaged or deformed, or was involved in a collision that was not severe enough to cause any of the following SRS airbags to deploy:

• SRS front airbags
• SRS knee airbags



● Vehicles with SRS curtain shield airbags: When a door or its surrounding area is damaged, deformed or has had a hole made in it, or was involved in a collision that was not severe enough to cause any of the following SRS airbags to deploy:

• SRS side airbags
• SRS curtain shield airbags



● When the pad section of the steering wheel, the dashboard near the front passenger SRS airbag or the lower side of the instrument panel is scratched, cracked, or otherwise damaged.

● Vehicles with SRS side airbags: When the surface of a seat with an SRS side airbag is scratched, cracked, or otherwise damaged.

● Vehicles with SRS curtain shield airbags: When the part of a front pillar, rear pillar or roof side rail garnish (padding) which covers a SRS curtain shield airbag is scratched, cracked, or otherwise damaged.

⚠ WARNING

■ SRS airbag precautions

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

● The driver and all passengers must wear their seat belts correctly.
The SRS airbags are supplemental devices to be used with the seat belts.

WARNING

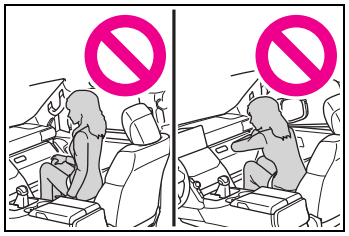
- The SRS driver airbag deploys with considerable force, and can cause death or serious injury, especially if the driver is very close to the airbag.

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 your current driving position places you less than 250 mm (10 in.) away from the driver airbag, you can change your driving position in several ways:

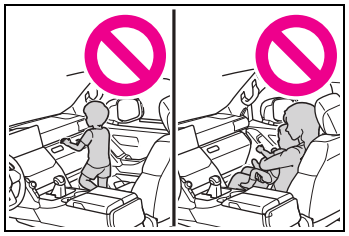
- Move your seat to the rear as far as possible while still being able to reach the pedals comfortably.
- Slightly recline the seatback. Although vehicle designs vary, many drivers can achieve the 250 mm (10 in.) distance, even with the driver seat all the way forward, simply by reclining the seatback somewhat. If reclining the seatback 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 being able to control the vehicle with the pedals and steering wheel, and maintaining your view of the instrument panel controls.

- The SRS front passenger airbag 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 positioned as far possible from the airbag with the seatback adjusted so that the passenger is sat 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.52, 82)
- 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 or sit on the lap of a front passenger.



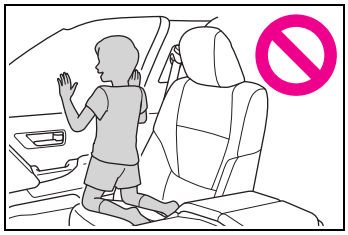
- Front seat occupants should never hold items on their lap.

WARNING

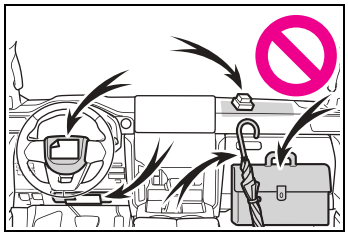
- Do not lean against the door, roof side rail, or front, side, or rear pillar.



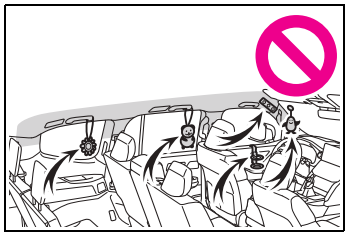
- Do not allow anyone to kneel on a seat toward the door or put their head or hands outside the vehicle.



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



- Do not attach anything to areas such as the doors, windshield, side windows, front or rear pillars, roof side rails and assist grips.



- Do not hang coat hangers or other hard objects on the coat hooks. These items could become projectiles if the SRS curtain shield airbags deploy, possibly leading to death or serious injury.
- If a vinyl cover is attached to the area where the SRS knee airbag deploys, be sure to remove it.
- Vehicles with SRS side airbags: Do not use seat accessories which cover the parts from which the SRS airbags deploy, as they may interfere with inflation of the SRS airbags. Such accessories may prevent the SRS airbags from deploying correctly, may disable the system or cause the SRS airbags to inflate unintentionally, possibly resulting in death or serious injury.
- Do not strike or apply significant force to the SRS airbag system components, front doors or their surrounding area.
  Doing so may cause the SRS airbags to malfunction.
- Do not touch any components of the SRS airbags immediately after the SRS airbags have deployed (inflated) as they may be hot.

WARNING

- 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 a part where an SRS airbag is stored is damaged or cracked, have it 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 unintentionally, possibly leading to death or serious injury.

- Removal, installation, disassembly or repair of the SRS airbags
- Repair, removal or modification of the following parts or their surrounding
  - Steering wheel
  - Instrument panel
  - Dashboard
  - Vehicles with SRS side airbags: Seats
  - Vehicles with SRS side airbags: Seat upholstery
  - Vehicles with SRS curtain shield airbags: Front pillars
  - Vehicles with SRS curtain shield airbags: Side pillars
  - Vehicles with SRS curtain shield airbags: Rear pillars
  - Vehicles with SRS curtain shield airbags: Roof side rails
  - Vehicles with SRS side airbags: Front door panels
  - Vehicles with SRS side airbags: Front door trim
  - Vehicles with SRS side airbags: Front door speakers
- Vehicles with SRS side airbags: Modifications to the front door panels (such as making holes in them)
- Repair or modification of the following parts or their surrounding
  - Front fender
  - Front bumper
  - Vehicles with SRS curtain shield airbags: Sides of the vehicle interior
- Installation of the following parts or accessories
  - Bull bars or kangaroo bars
  - Snow plows
  - Winches
- Modifications to the vehicle's suspension
- 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 engine.
- Do not leave the vehicle with the engine running for a long time. If such a situation cannot be avoided, park the vehicle in an open space and ensure that exhaust fumes do not enter the vehicle interior.
- Do not leave the engine running in an area with snow build-up, or where it is snowing. If snowbanks build up around the vehicle while the engine is running, exhaust gases may collect and enter the vehicle.

■ Exhaust pipe

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

Riding with children

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

- It is recommended that children sit in the rear seats to avoid accidental contact with the shift lever, wiper switch etc.
- Use the rear door child-protector lock or the window lock switch to avoid children opening the door while driving or operating the power window accidentally. (→P.178, 222)
- 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 side windows, the moon roof (if equipped) or other features of the vehicle. In addition, heat build-up or extremely cold temperatures inside the vehicle can be fatal to children.

Child restraint systems (except for India)

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

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

Table of contents

Points to remember: P.52

When using a child restraint system: P.53

Child restraint system compatibility for each seating position: P.56, 61, 66, 71

Child restraint system installation method: P.76

- Fixed with a seat belt: P.77
- Fixed with an ISOFIX lower anchorage: P.79
- Using a top tether anchorage: P.81

Points to remember

- If child restraint system regulations exist in the country where you reside, please contact your Toyota dealer for the child restraint system installation.
- Use a child restraint system until the child becomes large enough to properly wear the vehicle's seat belt.
- Choose a child restraint system appropriate to the age and size of the child.
- Note that not all child restraint systems can fit in all vehicles. Before using or purchasing a child restraint system, check the compatibility of the child restraint system with seat positions. (→P.56, 61, 66, 71)

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 instructions are provided in this manual.

WARNING

- Toyota strongly urges the use of a proper child restraint system that conforms to the weight and size of the child, installed on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.
- Holding a child in your or someone else's arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield or between the holder and the interior of the vehicle.

■ Handling the child restraint system

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

- If the vehicle were to receive a strong impact from an accident, etc., it is possible that the child restraint system has damage that is not readily visible. In such cases, do not reuse the restraint system.
- Depending on the child restraint system, installation may be difficult or impossible. In those cases, check whether the child restraint system is suitable for installment in the vehicle (→P.56, 61, 66, 71). Be sure to install and observe the usage rules after carefully reading the child restraint system fixing method in this manual, as well as the operation manual enclosed with the child restraint system.
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the luggage compartment.

When using a child restraint system

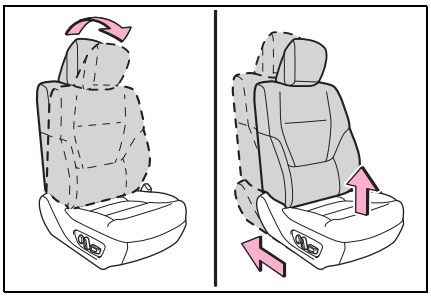
■ When installing a child restraint system to a front passenger seat

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

- Adjust the seatback angle to the most upright position.

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

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



- If the head restraint interferes with the child restraint system installation and the head

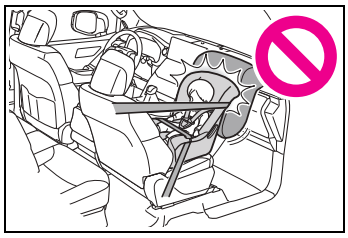
restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.

WARNING

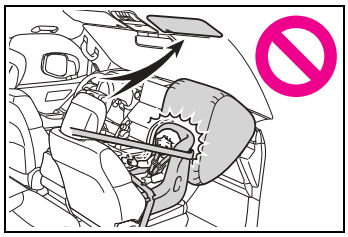
■ When using a child restraint system

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.

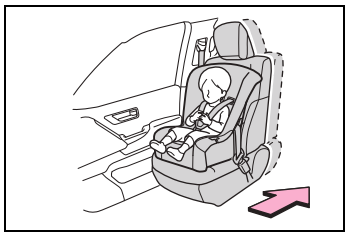


WARNING

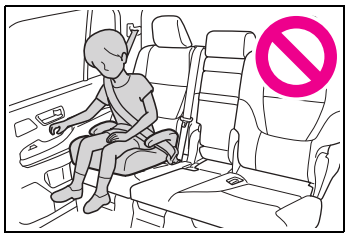


WARNING

- 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).



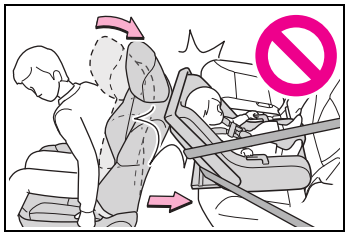
- Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front or rear pillars, or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous 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 a child restraint system suitable to the age and size of the child and install it to the rear seat.
- If the driver's seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the right-hand rear seat (left-hand drive vehicles) or the left-hand rear seat (right-hand drive vehicles).



- Adjust the front passenger seat so that it does not interfere with the child restraint system.
- When installing a child restraint system on the second center seat, adjust both seat cushions to the same position and align both seatbacks at the same angle. The seatbacks must be adjusted to the same angle. Otherwise, the child restraint system cannot be securely restrained and this may cause death or serious injuries in the event of sudden braking, sudden swerving or an accident.
- Child restraint system installed on the third seat should not contact the second seatbacks.

Child restraint system compatibility for each seating position (except for ASEAN countries, Latin American and the Caribbean countries and EU countries)

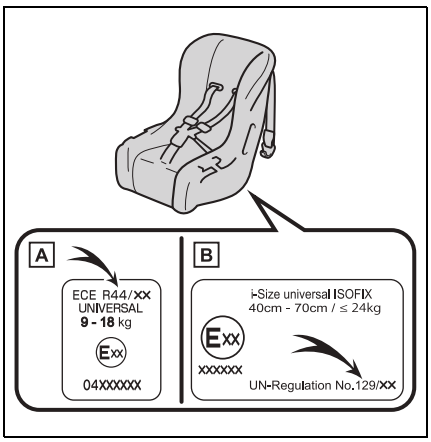
■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems (→P.57) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols.
Check the selected child restraint system together with the following [Before confirming the compatibility of each seating position with child restraint systems].

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

1 Checking the child restraint system standards.
Use a child restraint system that conforms to UN(ECE) R44[*1] or UN(ECE) R129[*1, 2].
The following approval mark is displayed on child restraint systems which are conformed.
Check for an approval mark

attached to the child restraint system.



Example of the displayed regulation number

A UN(ECE) R44 approval mark*3

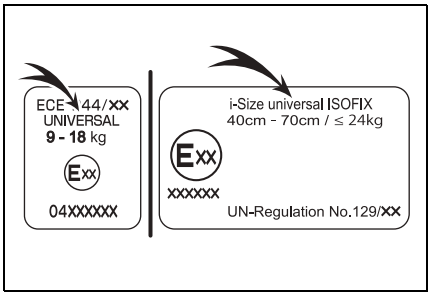
The weight range of the child who is applicable for an UN(ECE) R44 approval mark is indicated.

B UN(ECE) R129 approval mark*3

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

2 Checking the category of the child restraint system.
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable. Also, if there are any uncertainties, check the user's guide included with the child restraint system or contact the retailer of the child restraint system.

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



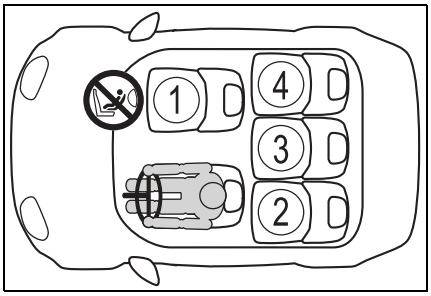
*1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

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

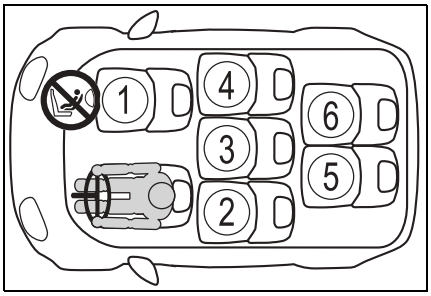
*3: The displayed mark may differ depending on the product.

■ Compatibility of each seating position with child restraint systems:

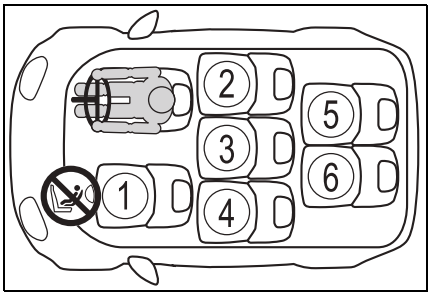
▶ Left-hand drive vehicles for 5-passenger models



▶ Left-hand drive vehicles for 7-passenger models



▶ Right-hand drive vehicles for 7-passenger models



1 *1, 2, 3	U *4
2 *2, 3	U 
3 *2, 3	U
4 *2, 3	U 
5 *2, 3	U
6 *2, 3	U

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

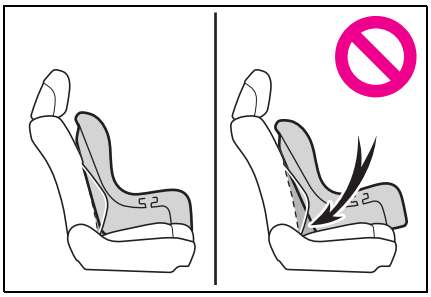
Suitable for i-Size and ISOFIX child restraint system.

Includes a top tether anchorage point.

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

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

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



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

the upper most position.

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

■ Detail information for child restraint systems installation

Seating position						
Seat position number	①	②	③	④	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	Yes	No	Yes	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

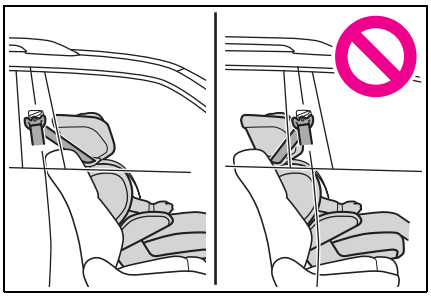
ISOFIX child restraint systems are divided into different “fixture”. The child restraint system can be used in the seating positions for “fixture” mentioned in the table above. For kind of “fixture” relation, confirm the following table. If your child restraint system has no kind of “fixture” (or if 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

Fixture	Description
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.

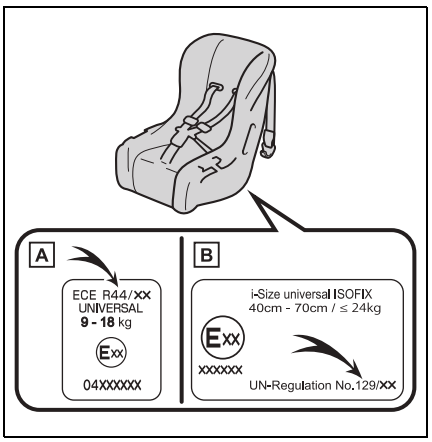
Child restraint system compatibility for each seating position (for ASEAN countries)

■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems (→P.62) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols. Also, the recommended child restraint system that is suitable for your child can be selected.
Otherwise, check [Recommended child restraint systems and Compatibility table] for recommended child restraint systems. (→P.65)
Check the selected child restraint system together with the following [Before confirming the compatibility of each seating position with child restraint systems].

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

1 Checking the child restraint system standards.
Use a child restraint system that conforms to UN(ECE) R44[*1] or UN(ECE) R129[*1, 2].
The following approval mark is displayed on child restraint systems which are conformed.
Check for an approval mark attached to the child restraint system.



Example of the displayed regulation number

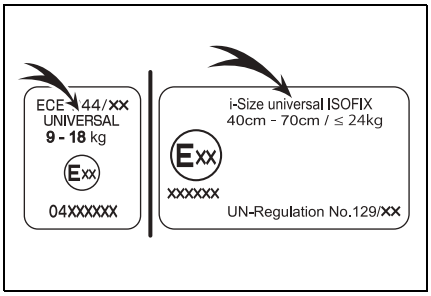
A UN(ECE) R44 approval mark[*3]
The weight range of the child who is applicable for an UN(ECE) R44 approval mark is indicated.

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

2 Checking the category of the child restraint system.
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable.
Also, if there are any uncertainties, check the user's guide included with the child restraint

system or contact the retailer of the child restraint system.

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



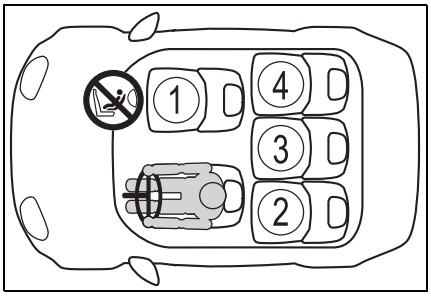
*1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

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

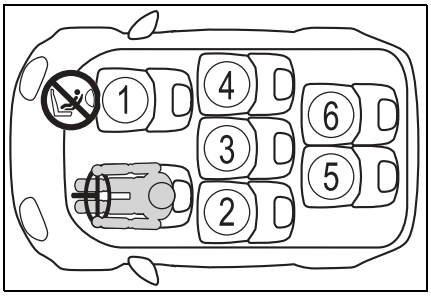
*3: The displayed mark may differ depending on the product.

■ Compatibility of each seating position with child restraint systems

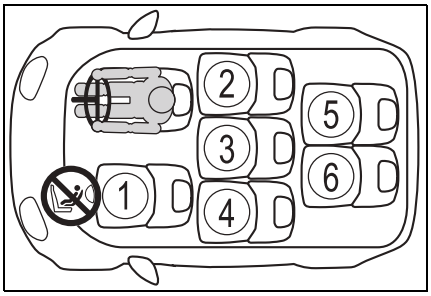
▶ Left-hand drive vehicles for 5-passenger models



▶ Left-hand drive vehicles for 7-passenger models



▶ Right-hand drive vehicles for 7-passenger models



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

⑤ *2, 3	U
⑥ *2, 3	U

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

L Suitable for child restraint systems given on recommended child restraint systems and compatibility table. (→P.65)

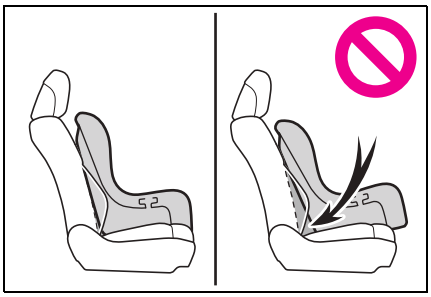
Suitable for i-Size and ISOFIX child restraint system.

Includes a top tether anchorage point.

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

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

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



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

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

■ Detail information for child restraint systems installation

Seating position						
Seat position number	①	②	③	④	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	Yes	No	Yes	No	No
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	No	No	No

Seating position						
Seat position number	①	②	③	④	⑤	⑥
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

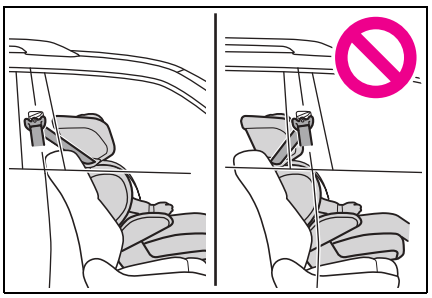
■ Recommended child restraint systems and Compatibility table

	Recommended Child Restraint System	Seating position					
		①	②	③	④	⑤	⑥
i-Size child Restraint systems	i-Size MIDI (Yes/No)	No	Yes	No	Yes	No	No

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

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

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



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

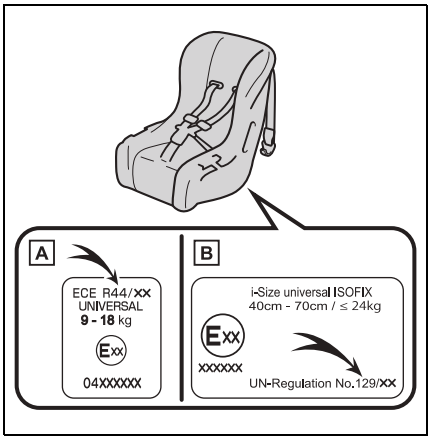
Child restraint system compatibility for each seating position (for Latin American and the Caribbean countries)

■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems (→P.67) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols. Also, the recommended child restraint system that is suitable for your child can be selected.
Otherwise, check [Recommended child restraint systems and Compatibility table] for recommended child restraint systems. (→P.70)
Check the selected child restraint system together with the following [Before confirming the compatibility of each seating position with child restraint systems].

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

1 Checking the child restraint system standards.
Use a child restraint system that conforms to UN(ECE) R44[*1] or UN(ECE) R129[*1, 2].
The following approval mark is displayed on child restraint systems which are conformed.
Check for an approval mark attached to the child restraint system.



Example of the displayed regulation number

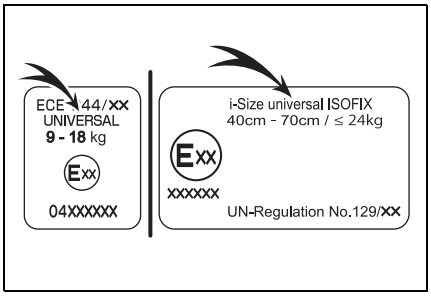
A UN(ECE) R44 approval mark[*3]
The weight range of the child who is applicable for an UN(ECE) R44 approval mark is indicated.

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

2 Checking the category of the child restraint system.
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable. Also, if there are any uncertainties, check the user's guide included with the child restraint

system or contact the retailer of the child restraint system.

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



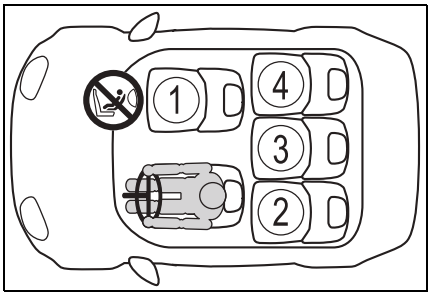
*1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

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

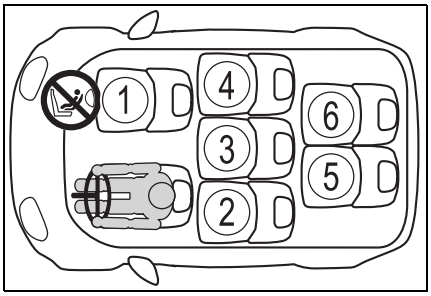
*3: The displayed mark may differ depending on the product.

■ Compatibility of each seating position with child restraint systems

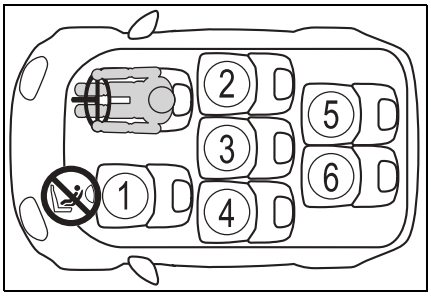
▶ Left-hand drive vehicles for 5-passenger models



▶ Left-hand drive vehicles for 7-passenger models



▶ Right-hand drive vehicles for 7-passenger models



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

⑤ *2, 3	U
⑥ *2, 3	U

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

L Suitable for child restraint systems given on recommended child restraint systems and compatibility table. (→P.70)

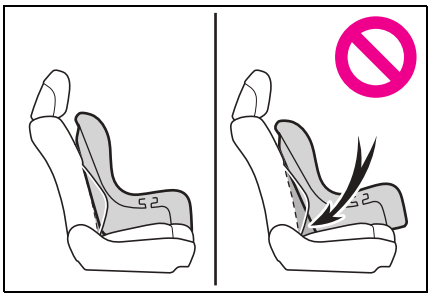
Suitable for i-Size and ISOFIX child restraint system.

Includes a top tether anchorage point.

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

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

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



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

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

■ Detail information for child restraint systems installation

Seating position						
Seat position number	①	②	③	④	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	Yes	No	Yes	No	No
Seating position suitable for lateral fixture (L1/L2/No)	No	No	No	No	No	No

Seating position						
Seat position number	①	②	③	④	⑤	⑥
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

■ Recommended child restraint systems and Compatibility table

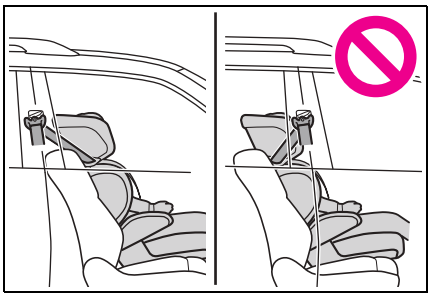
	Recommended Child Restraint System	Seating position					
		①	②	③	④	⑤	⑥
i-Size child Restraint systems	i-Size MIDI* (Yes/No)	No	Yes	No	Yes	No	No

*: However, this CRS name is become MIDI PLUS in only Brazil.

The child restraint systems mentioned in the table may not be available outside the Latin America and the Caribbean countries.

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

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



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

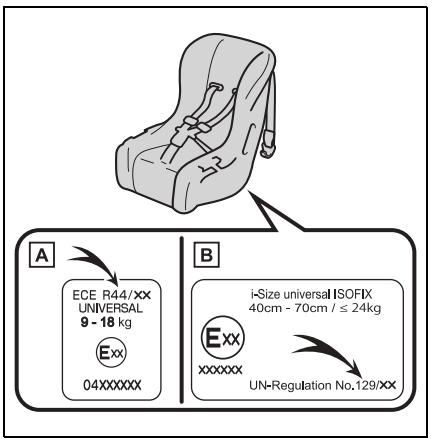
Child restraint system compatibility for each seating position (for EU countries)

■ Child restraint system compatibility for each seating position

Compatibility of each seating position with child restraint systems (→P.72) displays the type of child restraint systems that can be used and possible seating positions for installation using symbols.
Also, the recommended child restraint system that is suitable for your child can be selected.
Otherwise, check [Recommended child restraint systems and Compatibility table] for recommended child restraint systems. (→P.76)
Check the selected child restraint system together with the following [Before confirming the compatibility of each seating position with child restraint systems].

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

1 Checking the child restraint system standards.
Use a child restraint system that conforms to UN(ECE) R44[*1] or UN(ECE) R129[*1, 2].
The following approval mark is displayed on child restraint systems which are conformed.
Check for an approval mark attached to the child restraint system.



Example of the displayed regulation number

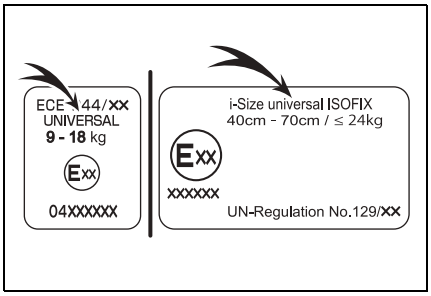
A UN(ECE) R44 approval mark[*3]
The weight range of the child who is applicable for an UN(ECE) R44 approval mark is indicated.

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

2 Checking the category of the child restraint system.
Check the approval mark of the child restraint system for which of the following categories the child restraint system is suitable.
Also, if there are any uncertainties, check the user's guide included with the child restraint

system or contact the retailer of the child restraint system.

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



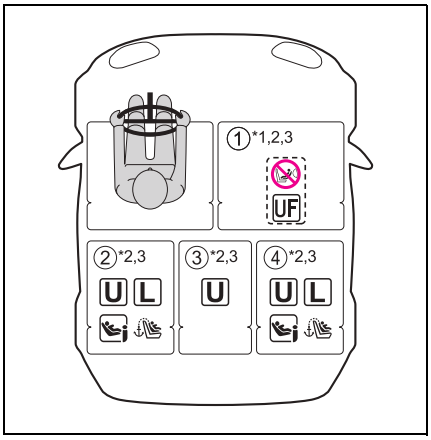
*1: UN(ECE) R44 and UN(ECE) R129 are U.N. regulations for child restraint systems.

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

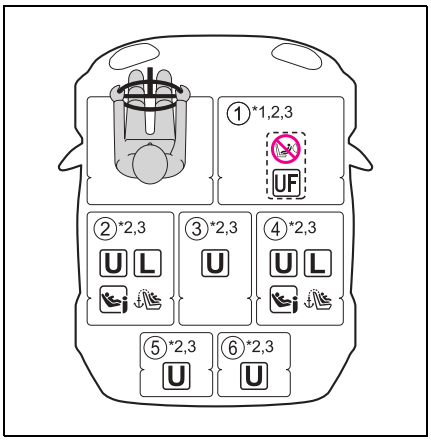
*3: The displayed mark may differ depending on the product.

■ Compatibility of each seating position with child restraint systems

▶ 5-passenger models



▶ 7-passenger models




Activation of front passenger airbag.
Never use a rearward-facing child restraint system on the front passenger seat.


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

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

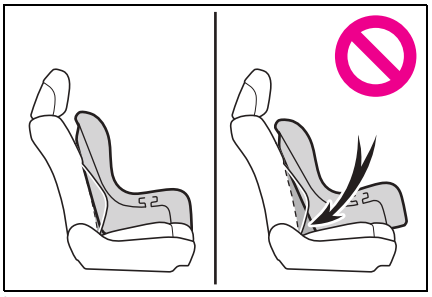
Suitable for recommended child restraint systems given on recommended child restraint systems information. (→P.74).

Suitable for i-Size and ISOFIX child restraint system.

Includes a top tether anchorage point.

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

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

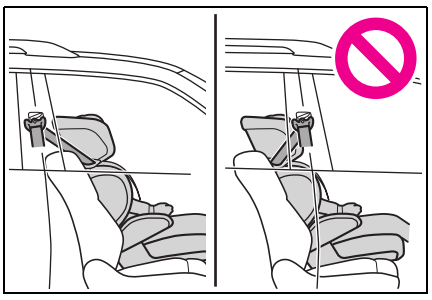


*3: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint.
Otherwise, put the head restraint in the upper most position.

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 posi-

tion, 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.

■ **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	Yes	No	Yes	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

*: All universal categories (group 0, 0+, I, II and III).

Toyota suggests the users to use ② and ④ seating positions.

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.

Mass groups	Child weight	Class	ISO Fixture	Description
0	up to 10 kg (22 lb.)	E	R1	Rearward-facing infant seat
		F	L1	Left lateral-facing infant seat (Carrycot)
		G	L2	Right lateral-facing infant seat (Carrycot)
0+	up to 13 kg (28 lb.)	C	R3	Full-size, rearward-facing child restraint systems
		D	R2	Reduced-size, rearward-facing child restraint systems
		-	R2X	Reduced-size, rearward-facing child restraint systems
		E	R1	Rearward-facing infant seat
I	9 to 18 kg (20 to 39 lb.)	A	F3	Full-height, forward-facing child restraint systems
		B	F2	Reduced-height, forward-facing child restraint systems
		B1	F2X	Reduced-height, forward-facing child restraint systems
		C	R3	Full-size, rearward-facing child restraint systems
		D	R2	Reduced-size, rearward-facing child restraint systems
II	15 to 25 kg (34 to 55 lb.)	-	B2, B3	Junior seat
III	22 to 36 kg (48 to 79 lb.)			

■ **Recommended child restraint systems information**

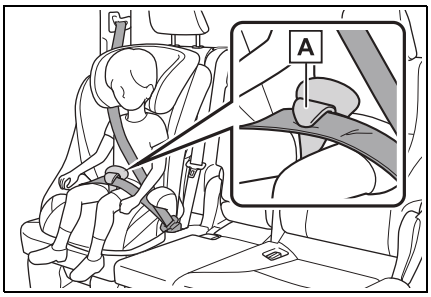
Recommended child restraint system	Size range	Direction of travel	Fixation	
			Lower anchorages	Seat belt
MAXI COSI PEARL 360 & FAMILYFIX 360 BASE	40 to 105 cm [Up to 17.5 kg (Up to 38 lb.)]	Rearward-facing	Yes	Not applicable
	>15 month & 76 to 105 cm [Up to 17.5 kg (Up to 38 lb.)]	Forward-facing		
TOYOTA KIDFIX i-SIZE*1, 2	100 to 150 cm [15 to 36 kg (34 to 79 lb.)]	Forward-facing use only	Yes	Yes

*1: Be sure to attach the seat belt through the SecureGuard.

*2: TOYOTA recommends to use with lower anchorages.

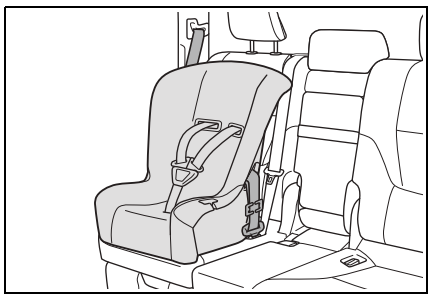
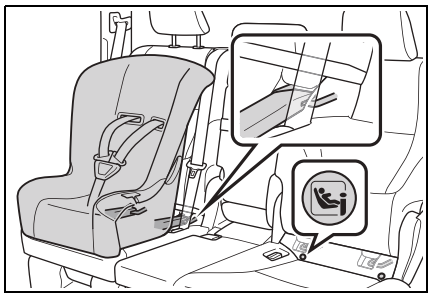
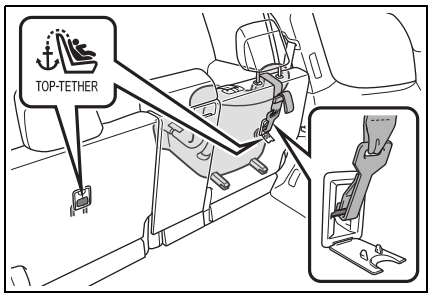
The child restraint systems mentioned in the table may not be available outside the EU countries and United Kingdom.

- When using the child restraint system with SecureGuard, be sure to guide the lap belt into SecureGuard A as shown in the illustration.



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.77
ISOFIX lower anchorage attachment		P.79
Top tether anchorage attachment		P.81

Child restraint system fixed with a seat belt

■ Installing child restraint system using a seat belt

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

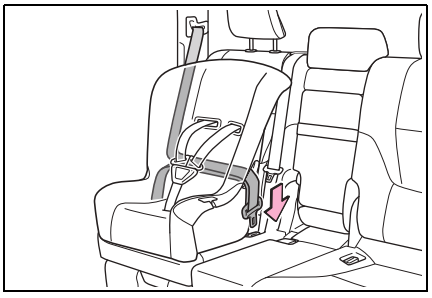
If the child restraint system on hand is not within the “universal” category (or the necessary information is not in the table), refer to the “Vehicle List” provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child restraint system. (→P.56, 61, 66, 71)

1 If installing the child restraint system to the front passenger seat is unavoidable, refer to P.53 for the front passenger seat adjustment.

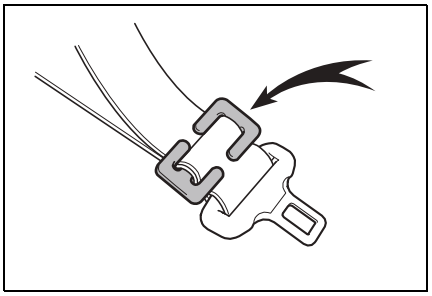
2 Adjust the seatback angle to the most upright position. When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.

3 If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position. (→P.211)

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.79)

■ Removing a child restraint system installed with a seat belt

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

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

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

■ When installing a child restraint system

You may need a locking clip to install the child restraint system. Follow the instructions provided by the manufacturer of the system. If your child restraint system does not provide a locking clip, you can purchase the following item from your Toyota dealer: Locking clip for

child restraint system
(Part No. 73119-22010)

WARNING

■ When installing a child restraint system

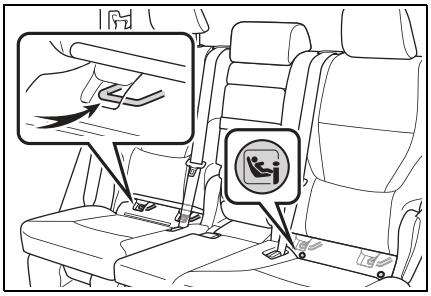
Observe the following precautions. Failure to do so may result in death or serious injury.

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

Child restraint system fixed with an ISOFIX lower anchorage

■ ISOFIX lower anchorages (ISOFIX child restraint system)

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



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

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

If the child restraint system on hand is not within the "universal" category (or the necessary information is not in the table), refer to the "Vehicle List" provided by the child restraint system maker for various possible installation positions, or check the compatibility after asking the retailer of the child restraint system. (→P.56, 61, 66, 71)

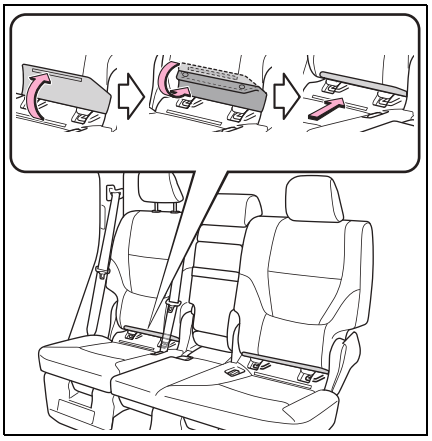
1 Adjust the seatback angle to the most upright position. When

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 the child restraint system installation and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position. (→P.211)

3 Open the cover.

Put the cover between the seat cushion and seatback.



4 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.

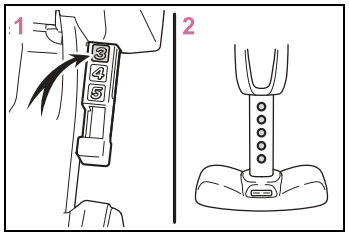


5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.79)

■ When using an "i-Size MIDI*" (for ASEAN countries and Latin America and the Caribbean countries)

*: However, this CRS name is become MIDI PLUS in only Brazil.

Adjust the support leg and ISOFIX connectors as follows:



1 Lock the ISOFIX connectors where number 3 can be seen.

2 Lock the support leg where 5 holes can be seen.

WARNING

■ When installing a child restraint system

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

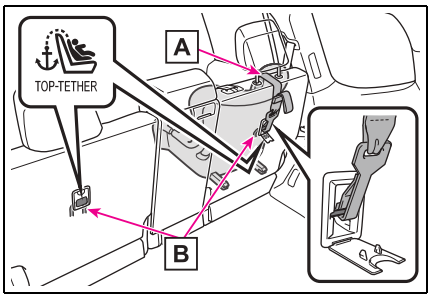
- After securing a child restraint system, never adjust the seat.
- When using the lower anchorages, be sure that there are no foreign objects around the anchorages and that the seat belt is not caught behind the child restraint system.
- Follow all installation instructions provided by the child restraint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

Using a top tether anchorage

■ Top tether anchorages

Top tether anchorages are provided for the outboard rear seats.

Use top tether anchorages when fixing the top strap.



A Top strap

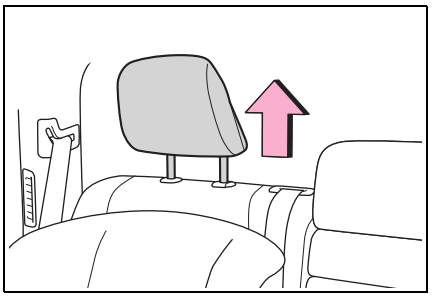
B Top tether anchorages

■ 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.

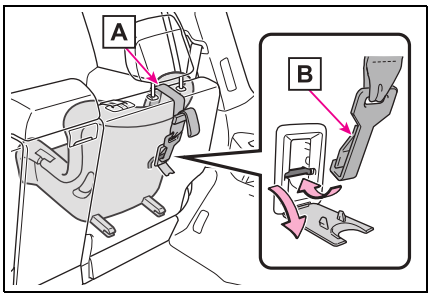
1 Adjust the head restraint to the upmost position.

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.211)



2 Open the anchor bracket cover, latch the hook onto the anchor bracket and tighten the top strap.

Make sure the top strap is securely latched. (→P.79)
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 Top strap

B Hook

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 anchorages.
- 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

■ Anchor brackets (for top strap)

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

Child restraint systems (for India)

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

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

Table of contents

Points to remember: P.82

Child restraint system: P.83

When using a child restraint system: P.86

Child restraint system installation method

- Fixed with a seat belt: P.89
- Fixed with an ISOFIX rigid anchor: P.93
- Using an anchor bracket (for top strap): P.97

Points to remember

- If child restraint system regulations exist in the country where

you reside, please contact your Toyota dealer for the child restraint system installation.

- Use a child restraint system appropriate for the child 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.89, 94)

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 instructions are provided in this manual.
- Toyota strongly urges the use of a proper child restraint system that conforms to the weight and size of the child, installed on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.
- Holding a child in your or someone else's arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield or between the holder and the interior of the vehicle.

■Handling the child restraint system

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

- If the vehicle were to receive a strong impact from an accident, etc., it is possible that the child restraint system has damage that is not readily visible. In such cases, do not reuse the restraint system.
- Depending on the child restraint system, installation may be difficult or impossible. In those cases, check whether the child restraint system is suitable for installment in the vehicle. (→P.89, 93) 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.

Child restraint system

Install the available child restraint system in vehicle upon confirming

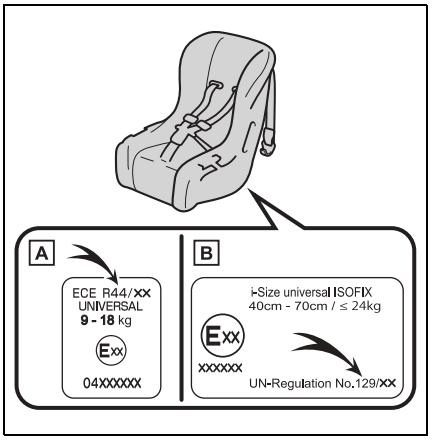
the following items.

■ Standards for child restraint systems

Use a child restraint system that conforms to ECE R44[*1] or ECE R129[*1, 2].

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

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



Example of the displayed regulation number

A ECE R44 approval mark[*3]

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

B ECE R129 approval mark[*3]

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

[*1]: ECE R44 and ECE R129 are U.N. regulations for child restraint systems.

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

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

■ Mass group (ECE R44 only)

This Mass group table is required when confirming the “Child restraint system suitability for various seating positions”. Confirm in accordance with the “Child restraint system suitability for various seating positions” (→P.89, 94)

The child restraint system which conforms to the standard of ECE R44 is categorized into 5 groups according to the weight of the child.

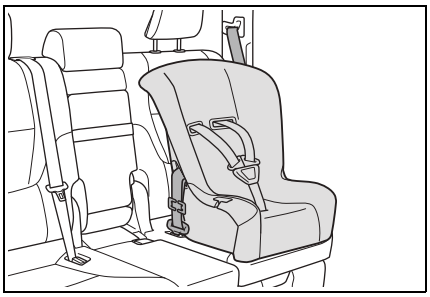
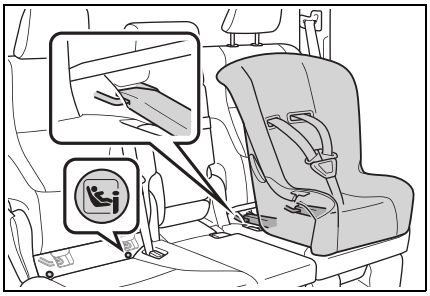
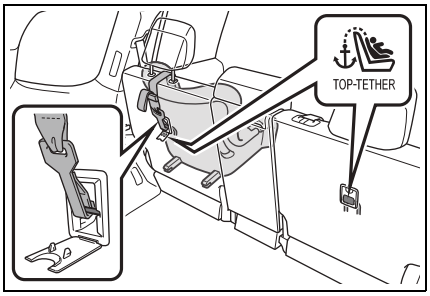
Mass group	Child weight	Reference age*
Group 0	until 10 kg (22 lb.)	about 9 months
Group 0+	until 13 kg (28 lb.)	about 1.5 years
Group I	9 - 18 kg (20 - 39 lb.)	from 9 months - about 4 years

Mass group	Child weight	Reference age*
Group II	15 - 25 kg (34 - 55 lb.)	from 3 years - about 7 years
Group III	22 - 36 kg (49 - 79 lb.)	from 6 years - about 12 years

*: The age range is a standard approximation. Choose according to the weight of the child.

■ Types of child restraint system installation methods

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.89
ISOFIX rigid anchor attachment		P.93
Anchor brackets (for top strap) attachment		P.97

When using a child restraint system

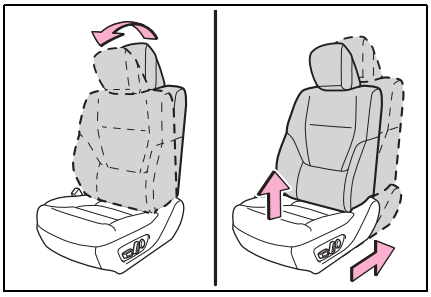
When installing a child restraint system to a front passenger seat

For the safety of a child, install a child restraint system to a rear seat. When installing a child restraint system to the 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.

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.

- Adjust the front of the seat cushion to the uppermost position.
- Adjust the seat height to the uppermost position.



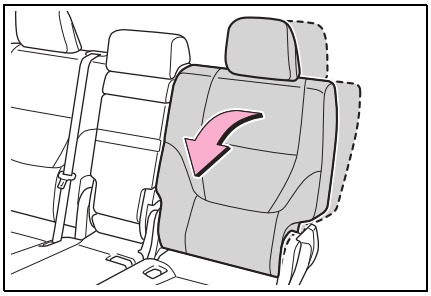
- If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.

When installing a child restraint system to a rear seat

When using a child restraint system in an outer rear seat, adjust the seat as follows and install the child restraint system.

- Adjust the seatback angle to the most upright position.

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



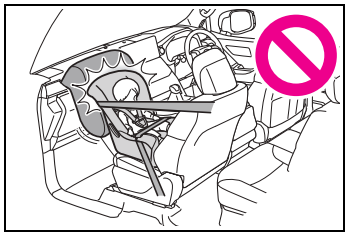
- If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.

WARNING

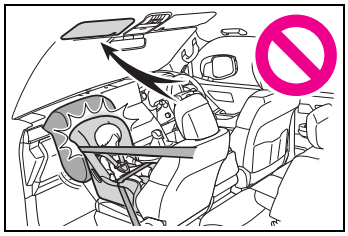
■ When installing a child restraint system

Observe the following when installing child restraint system to the front passenger seat if it is unavoidable. The front passenger SRS airbag inflates with considerable speed and force that if not observed may lead to death or serious injury to the child.

- 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.

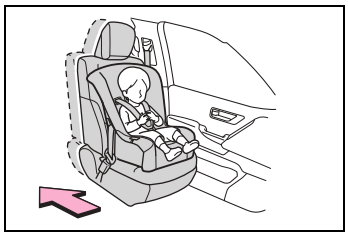


WARNING



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).



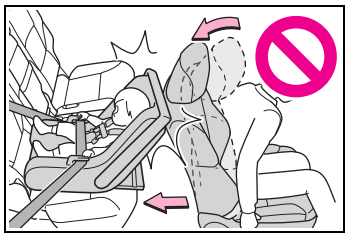
- Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front or rear pillars or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous 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' seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the left-hand rear seat.



- Adjust the front passenger seat so that it does not interfere with the child restraint system.
- When installing a child restraint system on the second center seat, adjust both seat cushions to the same position and align both seatbacks at the same angle. The seatbacks must be adjusted to the same angle. Otherwise, the child restraint system cannot be securely restrained and this may cause death or serious injuries in the event of sudden braking, sudden swerving or an accident.

Child restraint system fixed with a seat belt

■ Child restraint system compatibility for various seating positions

The child restraint system compatibility table (→P.89), with symbols, displays the types of usable child restraint systems and possible seating position installation for the child restraint system owned by the customer. Confirm also in accordance with "Confirming the possible installation seating positions and the Mass Group for the seat belt installation type child restraint systems".

■ Confirming the possible installation seating positions and the Mass Group for the seat belt installation type child restraint systems

1 Confirm the corresponding "Mass group" from the weight of the child (→P.84)

(Ex. 1) When the weight is 12 kg, "Mass group 0+"

(Ex. 2) When the weight is 15 kg, "Mass group I"

2 Confirm and select the appropriate possible seating position for the child restraint system and the corresponding type of system from the "Child restraint system suitability for various seating positions". (→P.89)

■ Child restraint systems fastened with SEAT BELT - Compatibility table

If your child restraint system is of "universal" category, you can install it on

the positions mentioned by U or UF in the table below (UF is for forward-facing child restraint systems only). Child restraint systems category and mass group can be found in the child restraint system manual.

If your child restraint system is not of the “universal” category (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.

Mass groups	Seating position		
	Front Passenger seat	Rear seat	
		Outboard*2	Center*2
0 Up to 10 kg (22 lb.)	X	U	U
0+ Up to 13 kg (28 lb.)	X	U	U
I 9 to 18 kg (20 to 39 lb.)	Rearward-facing — X	U	U
	Forward-facing — UF*1, 2		
II, III 15 to 36 kg (34 to 79 lb.)	UF*1, 2	U	U

Key of letters inserted in the above table:

X: Not suitable seat position for children in this mass group.

U: Suitable for “universal” category child restraint systems approved for use in this mass group.

UF: Suitable for forward-facing “universal” category child restraint systems approved for use in this mass group.

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

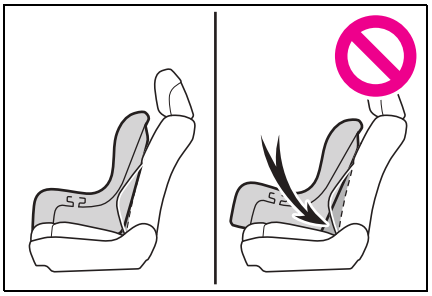
*2: If the head restraint interferes with your child restraint system, and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position.

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 effec-

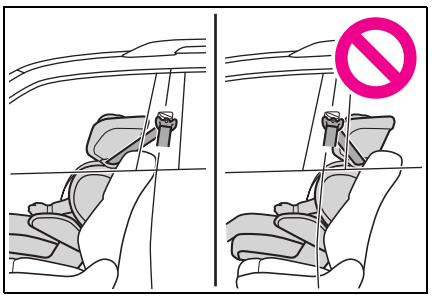
tiveness. Be sure your seat belt fits snugly across your shoulder and low on your hips. If it does not, or if it interferes with the child restraint, move to a different position. Failure to do so may result in death or serious injury.

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

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



- If the 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.

■ 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.

1 Adjust the seat

▶ When using the front passenger seat

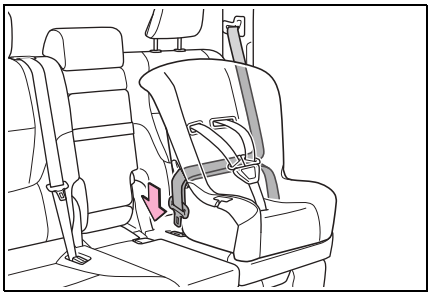
If installing the child restraint system to the front passenger seat is unavoidable, refer to P.86 for the front passenger seat adjustment.

▶ When using the rear seat

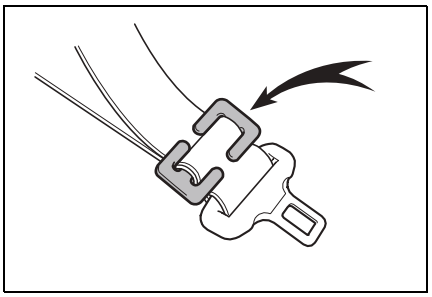
If there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved. (→P.86)

2 If the head restraint interferes with the child restraint system installation and the head restraint can be removed, remove the head restraint. Otherwise, put the head restraint in the upper most position. (→P.211)

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



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



5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.93)

■ Removing a child restraint system installed with a seat belt

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

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

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

■ When installing a child restraint system

You may need a locking clip to install the child restraint system. Follow the instructions provided by the manufacturer of the system. If your child restraint system does not provide a locking clip, you can purchase the following item from your Toyota dealer: Locking clip for child restraint system

(Part No. 73119-22010)

WARNING

■ When installing a child restraint system

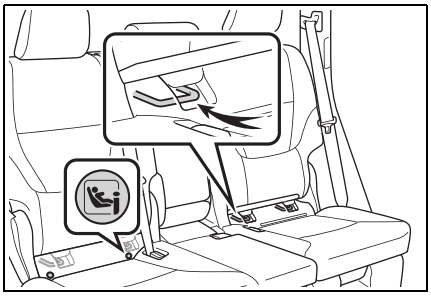
Observe the following precautions. Failure to do so may result in death or serious injury.

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

Child restraint system fixed with an ISOFIX rigid anchor

■ ISOFIX rigid anchors (ISOFIX child restraint system)

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



■ Child restraint system suitability for various seating positions

The child restraint system compatibility table (→P.94), with symbols, displays the types of usable child restraint systems and possible seating position installation for the child restraint system owned by the customer. Confirm in accordance with the listed Size class, Anchor, as well as "Confirming the Mass group and Size class for ECE R44 ISOFIX corresponding child restraint systems".

■ Confirming the Mass group and Size class for ECE R44 ISOFIX corresponding child restraint systems

1 Confirm the corresponding "Mass group" from the weight of the child (→P.84)

(Ex. 1) When the weight is 12 kg, "Mass group 0+"

(Ex. 2) When the weight is 15 kg, "Mass group I"

2 Confirming Size class

Select the Size class corresponding to "Mass group" confirmed in step **1** from the "Child restraint systems fastened with ISOFIX - Compatibility table"

(→P.94)*.

(Ex. 1) When “Mass group 0+”, the corresponding size class is “C”, “D”, “E”.

(Ex. 2) When “Mass group I”, the corresponding size class is “A”, “B”, “B1”, “C”, “D”.

*: However, listings that are marked with “X” cannot be selected, despite having the corresponding size class in the suitability table of the “Seating position”.

■ Child restraint systems fastened with ISOFIX - Compatibility table

ISOFIX child restraint systems are divided in different “size class”. According to this “size class”, you will be allowed to use it in the vehicle seating position mentioned in the table below. To know your child restraint system “size class” and “mass group”, please refer to the child restraint system manual.

If your child restraint system has no “size class” (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.

Size class	Description
A	Full-height, forward-facing child restraint systems
B	Reduced-height forward-facing child restraint systems
B1	Reduced-height forward-facing child restraint systems
C	Full-size rearward-facing child restraint systems
D	Reduced-size rearward-facing child restraint systems
E	Rearward-facing infant seat
F	Left lateral-facing (carrycot) infant seat
G	Right lateral-facing (carrycot) infant seat

Mass groups	Size class	Seating position		
		Front seat	Rear seat	
		Passenger seat	Outboard*	Center
Carrycot	F	×	×	×
	G	×	×	×
0 Up to 10 kg (22 lb.)	E	×	IL	×

Mass groups	Size class	Seating position		
		Front seat	Rear seat	
		Passenger seat	Outboard*	Center
0+ Up to 13 kg (28 lb.)	E	×	IL	×
	D	×	IL	×
	C	×	IL	×
I 9 to 18 kg (20 to 39 lb.)	D	×	IL	×
	C	×	IL	×
	B	×	IUF	×
	B1	×	IUF	×
	A	×	IUF	×

Key of letters inserted in the above table:

X: Not suitable seat position for ISOFIX child restraint systems in this mass group and/or size class.

IUF: Suitable for ISOFIX forward-facing child restraint systems of “universal” category approved for use in this mass group.

IL: Suitable for ISOFIX child restraint systems of the categories for “specific vehicles”, “restricted”, or “semi-universal” approved for use in this mass group.

*: 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.

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.

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

- 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.

■ i-Size child restraint systems fastened with ISOFIX (ECE R129) - Compatibility table

If your child restraint system is of “i-Size” category, you can install it on the positions mentioned by i-U in the table below.

Child restraint system category can be found in the child restraint system manual.

	Seating position		
	Front passenger seat	Rear seat	
		Outboard*	Center
i-Size child restraint systems	X	i-U	X

Key of letters inserted in the above table:

X: Not suitable for use with i-Size child restraint systems.

i-U: Suitable for i-Size “universal” child restraint systems forward and rearward facing.

*: 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.

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.

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

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

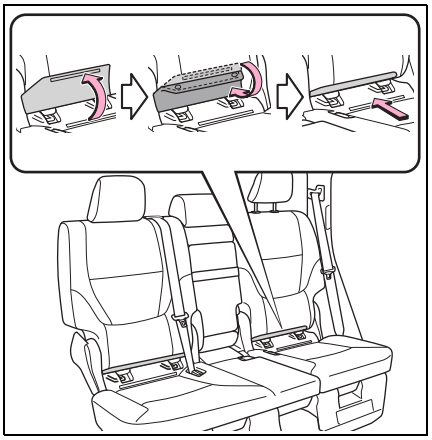
1 Adjust the seatback angle to the most upright position. When installing a forward-facing child seat, if there is a gap between the child seat and the seatback, adjust the seatback angle until good contact is achieved.

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

the upper most position. (→P.211)

3 Open the cover.

Put the cover between the seat cushion and seatback.



4 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.



5 After installing the child restraint system, rock it back and forth to ensure that it is installed securely. (→P.93)

■ When using a "DUO PLUS"

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.

⚠ WARNING

■ When installing a child restraint system

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

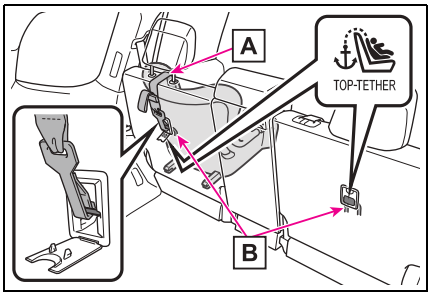
- After securing a child restraint system, never adjust the seat.
- When using the lower anchors, be sure that there are no foreign objects around the anchors and that the seat belt is not caught behind the child restraint system.
- Follow all installation instructions provided by the child restraint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

Using an anchor bracket (for top strap)

■ Anchor brackets (for top strap)

Anchor brackets are provided for the outboard rear seat.

Use anchor brackets when fixing the top strap.



A Top strap

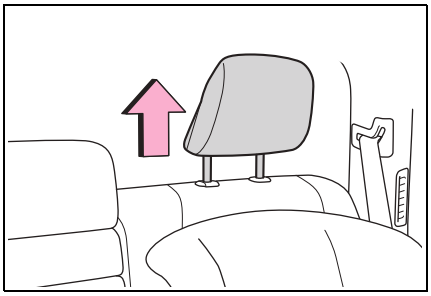
B Top tether anchorages

■ Fixing the top strap to the anchor bracket

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

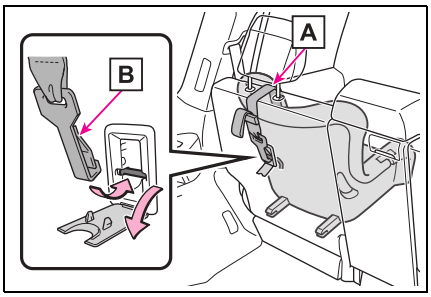
1 Adjust the head restraint to the upmost position.

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.211)



2 Open the anchor bracket cover, latch the hook onto the anchor bracket and tighten the top strap.

Make sure the top strap is securely latched. (→P.93)
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 Top strap

B Hook

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 anchor bracket.
- 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

■ Anchor brackets (for top strap)

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

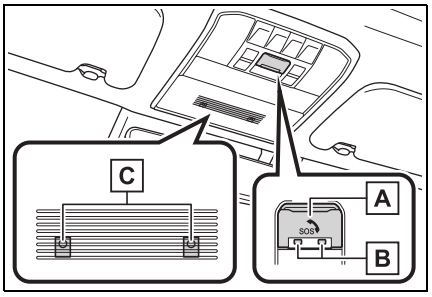
eCall*1, 2

*1: If equipped

*2: Operates within the eCall coverage.

eCall is a telematics service that uses Global Navigation Satellite System (GNSS) data and embedded cellular technology to enable the following emergency calls to be made: Automatic emergency calls (Automatic Collision Notification) and manual emergency calls (by pressing the "SOS" button). This service is required by United Arab Emirates Regulations.

System components



A "SOS" button*

B Indicator lights

C Microphone

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

Emergency Notification Services

■ Automatic Emergency Calls

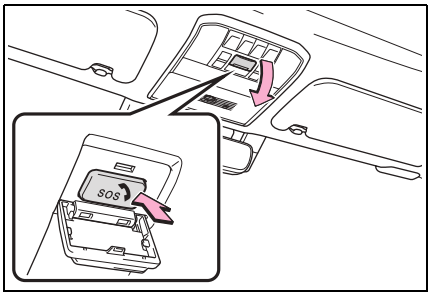
If any airbag deploys, the system is designed to automatically call the eCall control center.* The answering operator receives the vehicle's location, the time of the incident and the vehicle VIN, and attempts to speak with the vehicle occupants to assess the situation. If the occupants are unable to communicate, the operator automatically treats the call as an emergency and contacts the nearest emergency services provider (999 system etc.) to describe the situation and request that assistance be sent to the location.

*: In some cases, the call cannot be made. (→P.101)

■ Manual Emergency Calls

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

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



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

*: In some cases, the call cannot be made. (→P.101)

Indicator lights

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

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

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

Free/Open Source Software Information

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

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

https://opensource.lge.com/osSch/list?types=ALL&search=TL21BNU

WARNING

When the Emergency Call may not be made

- It may not be possible to make Emergency Calls in any of the following situations. In such cases, report to emergency services provider (999 system etc.) by other means such as nearby public phones.
  - Even when the vehicle is in the cellular phone service area, it may be difficult to connect to the eCall control center if the reception is poor or the line is busy. In such cases, even though the system attempts to connect to the eCall control center, you may not be able to connect to the eCall control center to make Emergency Calls and contact emergency services.
  - When the vehicle is out of the cellular phone service area, the Emergency Calls cannot be made.

WARNING

- When any related equipment (such as the “SOS” button panel, indicator lights, microphone, speaker, DCM, antenna, or any wires connecting the equipment) is malfunctioning, damaged or broken, the Emergency Call cannot be made.
- During an Emergency Call, the system makes repeated attempts to connect to the eCall control center. However, if it cannot connect to the eCall control center due to poor radio wave reception, the system may not be able to connect to the cellular network and the call may finish without connecting. The red indicator light will blink for approximately 30 seconds to indicate this disconnection.

● If the battery’s voltage decreases or there is a disconnection, the system may not be able to connect to the eCall control center.

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

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

■ For your safety

● Please drive safely.
The function of this system is to assist you in making the Emergency Call in case of accidents such as traffic accidents or sudden medical emergencies, and it does not protect the driver or passengers in any way. Please drive safely and fasten your seatbelts at all times for your safety.

● In case of an emergency, make lives the top priority.

● If you smell anything burning or other unusual smells, leave the vehicle and evacuate to a safe area immediately.

● If the airbags deploy when the system is operating normally, the system makes emergency call. The system also makes emergency call when the vehicle is struck from the rear or rolls over, even if the airbags do not deploy.

● For safety, do not make the Emergency Call while driving.
Making calls during driving may cause mishandling of the steering wheel, which may lead to unexpected accidents.
Stop the vehicle and confirm the safety of your surroundings before making the Emergency Call.

● When changing fuses, please use the specified fuses. Using other fuses may cause ignition or smoke in the circuit and lead to a fire.

● Using the system while there is smoke or an unusual smell may cause a fire. Stop using the system immediately and consult your Toyota dealer.

NOTICE

■ To prevent damage

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

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

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

ERA-GLONASS/EVAK*1, 2, 3

*1: If equipped

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

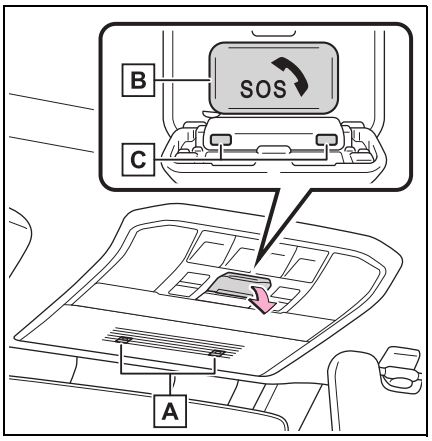
*3: The system name differs depending on the country.

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

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

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

System components



A Microphone

B "SOS" button*

C Indicator lights

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

Emergency Notification Services

■ Automatic Emergency Calls

If any airbag deploys, the system is designed to automatically call the ERA-GLONASS/EVAK control center.* The answering operator

receives the vehicle's location, the time of the incident and the vehicle VIN, and attempts to speak with the vehicle occupants to assess the situation. If the occupants are unable to communicate, the operator automatically treats the call as an emergency and contacts the nearest emergency services provider (112 system etc.) to describe the situation and request that assistance be sent to the location.

*: In some cases, the call cannot be made. (→P.104)

Manual Emergency Calls

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

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

*: In some cases, the call cannot be made. (→P.104)

Indicator lights

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

- If the green indicator light illuminates and stays on, the system is enabled.
- If the green indicator light flashes twice per second, an automatic or manual Emergency Call is being made.
- If no indicator lights illuminate, the system is not enabled.
- If the red indicator light illuminates at any time other than immediately after the engine switch is turned to ON, the system may be malfunctioning or the backup battery may be depleted. The backup battery has lifespan of at least 3 years. Contact your Toyota dealer.
- If the red indicator light blinks for approximately 30 seconds during an Emergency Call, the call has been disconnected or the cellular network signal is weak.

Device test mode

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

WARNING

When the Emergency Call may not be made

- It may not be possible to make Emergency Calls in any of the following situations. In such cases, report to emergency services provider (112 system etc.) by other means such as nearby public phones.

WARNING

- Even when the vehicle is in the cellular phone service area, it may be difficult to connect to the ERA-GLONASS/EVAK control center if the reception is poor or the line is busy. In such cases, even though the system attempts to connect to the ERA-GLONASS/EVAK control center, you may not be able to connect to the ERA-GLONASS/EVAK control center to make Emergency Calls and contact emergency services.
- When the vehicle is out of the cellular phone service area, the Emergency Calls cannot be made.
- When any related equipment (such as the “SOS” button panel, indicator lights, microphone, speaker, DCM, antenna, or any wires connecting the equipment) is malfunctioning, damaged or broken, the Emergency Call cannot be made.
- During an Emergency Call, the system makes repeated attempts to connect to the ERA-GLONASS/EVAK control center. However, if it cannot connect to the ERA-GLONASS/EVAK control center due to poor radio wave reception, the system may not be able to connect to the cellular network and the call may finish without connecting. The red indicator light will blink for approximately 30 seconds to indicate this disconnection.
- This device may not function if a shock is applied to it.

● If the battery’s voltage decreases or there is a disconnection, the system may not be able to connect to the ERA-GLONASS/EVAK control center.

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

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

■ For your safety

● Please drive safely.
The function of this system is to assist you in making the Emergency Call in case of accidents such as traffic accidents or sudden medical emergencies, and it does not protect the driver or passengers in any way. Please drive safely and fasten your seatbelts at all times for your safety.

● In case of an emergency, make lives the top priority.

● If you smell anything burning or other unusual smells, leave the vehicle and evacuate to a safe area immediately.

● Since the system detects shocks, the automatic reporting may not always occur synchronized with the operation of the airbag system. (If the vehicle is struck from behind, etc.)

● For safety, do not make the Emergency Call while driving.
Making calls during driving may cause mishandling of the steering wheel, which may lead to unexpected accidents.
Stop the vehicle and confirm the safety of your surroundings before making the Emergency Call.

● When changing fuses, please use the specified fuses. Using other fuses may cause ignition or smoke in the circuit and lead to a fire.

● Using the system while there is smoke or an unusual smell may cause a fire. Stop using the system immediately and consult your Toyota dealer.

NOTICE

■ **To prevent damage**

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

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

It may not be possible to make Emergency Calls, confirm the system status, or communicate with the ERA-GLONASS/EVAK control center operator. If any of the above equipment is damaged, please consult your Toyota dealer.

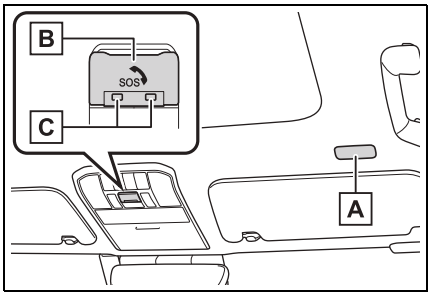
Toyota Connected Services*1, 2

*1: If equipped

*2: Operates within the Toyota Connected Services coverage.

Toyota Connected Services are telematics services that use Global Positioning System (GPS) data and embedded cellular technology to enable the following emergency calls to be made: ACN (Automatic Collision Notification) and SOS Emergency Call (Manual emergency service notification) (by pressing the “SOS” button). For more information about Toyota Connected Services, please visit: https://www.toyotabharat.com/toyota-i-connect/

System components



A Microphone

B “SOS” button*

C Indicator lights

*: This button is intended for communi-

cation with the Emergency Call Centre.
Other SOS buttons available in other systems of a motor vehicle do not relate to the device and are not intended for communication with the Emergency Call Centre.

Toyota Connected Services

■ ACN (Automatic Collision Notification)

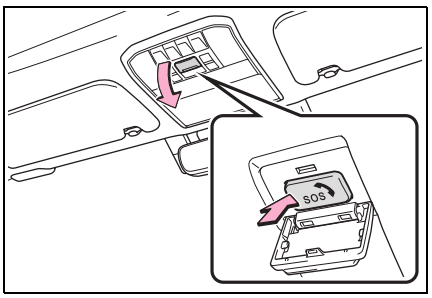
If any airbag deploys, the system is designed to automatically call the Emergency Call Centre.* The Call Centre Agent will determine your vehicle's location, the time of the incident and the vehicle VIN, and attempt to speak with the vehicle occupants to assess the situation. If the occupants are unable to communicate, the Call Centre Agent automatically treats the call as an emergency and contacts emergency services to describe the situation and request that assistance be sent to the location.

*: In some cases, the call cannot be made. (→P.108)

■ SOS Emergency Call (Manual emergency service notification)

In the event of an emergency, press the "SOS" button to call the Emergency Call Centre.* The Call Centre Agent will determine your vehicle's location, assess the situation, and dispatch the necessary assistance required.

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



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

*: In some cases, the call cannot be made. (→P.108)

Indicator lights

When the engine switch is turned to ON, the red/green indicator lights will blink intermittently, then the green indicator light will remain ON, indicating that the system is enabled. The indicator lights indicate the following:

- If the green indicator light illuminates and stays on, the system is enabled.
- If the green indicator light flashes once per second, the ACN/SOS service is being made.
- If the red indicator light illuminates at any time other than immediately after the engine switch is turned to ON, the system may be malfunctioning or the backup battery may be depleted. Contact your Toyota

dealer.

Free/Open Source Software Information

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

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

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

WARNING

When the ACN/SOS may not be made

- It may not be possible to make ACN/SOS in any of the following situations. In such cases, report to emergency services provider (000 system etc.) by other means such as nearby public phones.
- Even when the vehicle is in the cellular phone service area, it may be difficult to connect to the Emergency Call Centre if the reception is poor or the line is busy. In such cases, you may not be able to connect to the Emergency Call Centre.
- When the vehicle is out of the cellular phone service area, the ACN/SOS cannot be made.
- When any related equipment (such as the “SOS” button panel, indicator lights, microphone, DCM, antenna, or any wires connecting the equipment) is malfunctioning, damaged or broken, the ACN/SOS cannot be made.
- Enabled Toyota vehicles collect and transmit vehicle data to provide connected services. SOS and Automatic Collision Notification may be disabled if green LED under SOS button is not illuminated. For more info including re-activation, visit https://www.toyotabharat.com/toyota-i-connect/
- During an ACN/SOS service, the system makes repeated attempts to connect to the Emergency Call Centre. However, if it cannot connect to the Emergency Call Centre due to poor radio wave reception, the system may not be able to connect to the cellular network and the call may finish without connecting. A voice prompt notification will play from the vehicle speaker to indicate call disconnection.

- If the battery’s voltage decreases or there is a disconnection, the system may not be able to connect to the Emergency Call Centre.
- The ACN/SOS system might not work outside of India region, depending on the available infrastructure in the country.

When the ACN/SOS system is replaced with a new one

The ACN/SOS system should be registered. Contact your Toyota dealer.

For your safety

- Please drive safely.
  The function of this system is to assist you in contacting the appropriate emergency services in case of accidents such as traffic accidents or sudden medical emergencies, and it does not protect the driver or passengers in any way. Please drive safely and fasten your seatbelts at all times for your safety.
- In case of an emergency, ensure preservation of life is prioritised first.
- If you smell anything burning or other unusual smells, leave the vehicle and evacuate to a safe area immediately.

WARNING

- If the airbags deploy when the system is operating normally, the system makes emergency call. The system also makes emergency call when the vehicle is struck from the rear or rolls over, even if the airbags do not deploy.
- For safety, do not press the “SOS” button while driving.
  Making calls during driving may cause mishandling of the steering wheel, which may lead to unexpected accidents.
  Stop the vehicle and confirm the safety of your surroundings before pressing the “SOS” button.
- When changing fuses, please use the specified fuses. Using other fuses may cause ignition or smoke in the circuit and lead to a fire.
- Using the system while there is smoke or an unusual smell may cause a fire. Stop using the system immediately and consult your Toyota dealer.

NOTICE

■ To prevent damage

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

■ If the “SOS” button panel, speaker or microphone malfunctions during an ACN/SOS service

It may not be possible to make ACN/SOS, confirm the system status, or communicate with the Call Centre Agent. If any of the above equipment is damaged, please consult your Toyota dealer.

Engine immobilizer system

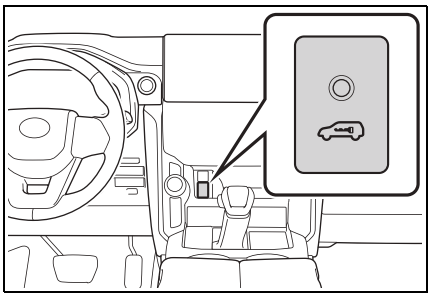
The vehicle's keys have built-in transponder chips that prevent the engine from starting if a key has not been previously registered in the vehicle's on-board computer.

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

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

Operating the system

The indicator light flashes after the engine switch has been turned off to indicate that the system is operating.
The indicator light stops flashing after the engine switch has been turned to ACC or ON to indicate that the system has been canceled.



■ System maintenance

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

■ Conditions that may cause the system to malfunction

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

NOTICE

■ To ensure the system operates correctly

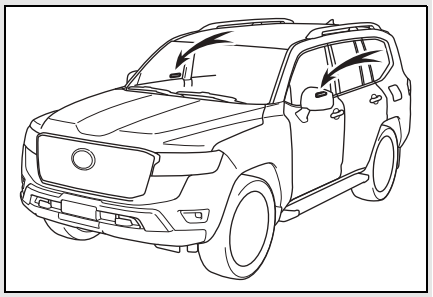
Do not modify or remove the system. If modified or removed, the proper operation of the system cannot be guaranteed.

Double locking system*

*: If equipped

Unauthorized access to the vehicle is prevented by disabling the door unlocking function from both the interior and exterior of the vehicle.

Vehicles employing this system have labels on the window glass of both front doors.



Setting/canceling the double locking system

■ **Setting**

Turn the engine switch off, have all the passengers exit the vehicle and ensure that all the doors are closed.

Using the entry function:
Touch the sensor area on the outside door handle twice within 5 seconds.

Using the wireless remote control:

Press twice within 5 seconds.

■ **Canceling**

Using the entry function: Hold the outside door handle on the driver's side.

Using the wireless remote control:

Press .

WARNING

■ **Double locking system precaution**

Never activate the double locking system when there are people in the vehicle because all the doors cannot be opened from inside the vehicle.

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 or wireless remote control. (The doors will lock again automatically.)
- The hood is opened.
- Vehicles with intrusion sensor: The intrusion sensor detects something moving inside the vehicle. (An intruder gets in the vehicle.)
- Vehicles with tilt sensor: The tilt sensor detects a change of vehicle inclination.
- Vehicles with glass breakage sensor: Any of the windows are broken.
- The battery is disconnected. (if equipped)
- The battery is reconnected.

Setting/canceling/stopping the alarm system

■ Items to check before locking the vehicle

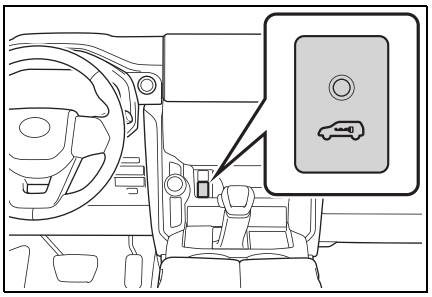
To prevent unexpected triggering of the alarm and vehicle theft, make sure of the following:

- Nobody is in the vehicle.
- The windows and 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 using the entry function or wireless remote control. The system will be set automatically after 30 seconds.

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



■ Canceling or stopping

Do one of the following to deactivate or stop the alarm.

- Unlock the doors using the entry function or wireless remote control.

- Turn the engine switch to ACC or ON, or start the engine. (The alarm will be deactivated or stopped after a few seconds.)

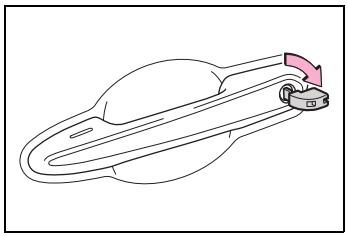
System maintenance

The vehicle has a maintenance-free type alarm system.

Triggering of the alarm

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

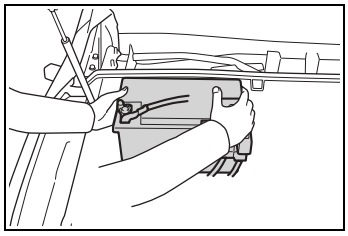
- The doors are unlocked using the mechanical key.



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



- The battery is recharged or replaced when the vehicle is locked. (→P.667)



- Vehicles with intrusion sensor and tilt sensor: The battery is disconnected when the vehicle is locked.

Alarm-operated door lock

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

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

Customization

The alarm can be set to deactivate when the mechanical key is used to unlock. (Customizable features: →P.701)

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.

Intrusion sensor and tilt sensor (if equipped)

The intrusion sensor and tilt sensor detection

- The intrusion sensor detects an intruder or movement in the vehicle.
- The tilt sensor detects changes in vehicle inclination, such as when the vehicle is towed away.

This system is designed to deter and prevent vehicle theft but does not guarantee absolute security

against all intrusions.

■ Canceling the intrusion sensor and tilt sensor

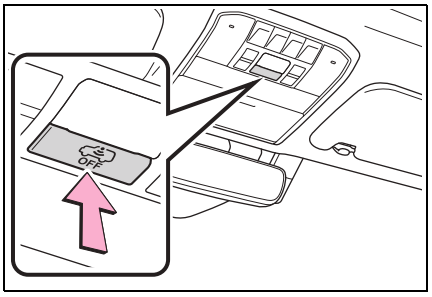
If you are leaving pets or other moving things inside the vehicle, make sure to disable the intrusion sensor and tilt sensor before setting the alarm, as they will respond to movement inside the vehicle.

1 Turn the engine switch off.

2 Press the intrusion sensor and tilt sensor cancel switch.

A message will be shown on the multi-information display in the instrument cluster.

The intrusion sensor and tilt sensor will revert to on each time the engine switch is turned to ON.



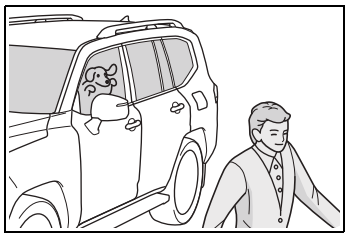
■ Canceling and automatic re-enabling of the intrusion sensor and tilt sensor

- The alarm will still be set even when the intrusion sensor and tilt sensor are canceled.
- After the intrusion sensor and tilt sensor are canceled, pressing the engine switch or unlocking the doors using the entry function or wireless remote control will re-enable the intrusion sensor and tilt sensor.
- The intrusion sensor and tilt sensor will automatically be re-enabled when the alarm system is reactivated.

■ Intrusion sensor considerations

The sensor may trigger the alarm in the following situations:

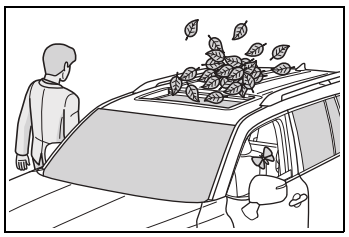
- People or pets are in the vehicle.



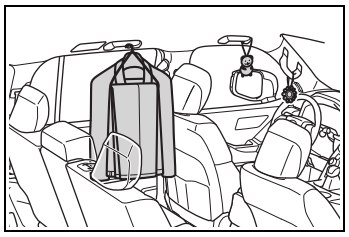
- A window or the moon roof (if equipped) is open.

In this case, the sensor may detect the following:

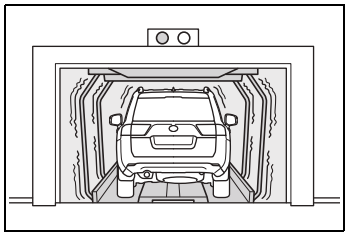
- Wind or the movement of objects such as leaves and insects inside the vehicle
- Ultrasonic waves emitted from devices such as the intrusion sensors of other vehicles
- The movement of people outside the vehicle



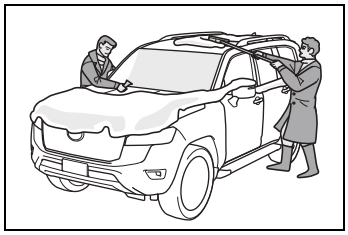
- Unstable items, such as dangling accessories or clothes hanging on the coat hooks, are in the vehicle.



- The vehicle is parked in a place where extreme vibrations or noises occur, such as in a parking garage.



- Ice or snow is removed from the vehicle, causing the vehicle to receive repeated impacts or vibrations.



- The vehicle is inside an automatic or high-pressure car wash.
- The vehicle experiences impacts, such as hail, lightning strikes, and other kinds of repeated impacts or vibrations.

Tilt sensor detection considerations

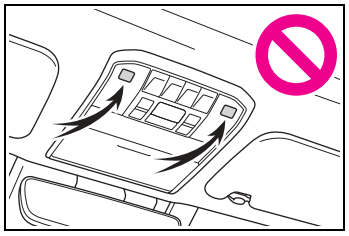
The sensor may trigger the alarm in the following situations:

- The vehicle is transported by a ferry, trailer, train, etc.
- The vehicle is parked in a parking garage.
- The vehicle is inside a car wash that moves the vehicle.
- Any of the tires loses air pressure.
- The vehicle is jacked up.
- An earthquake occurs or the road caves in.
- Cargo is loaded onto or unloaded from the roof luggage carrier.

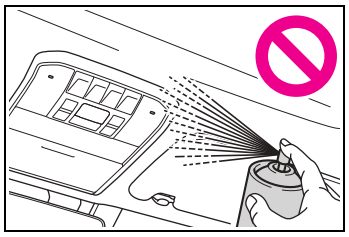
NOTICE

To ensure the intrusion sensor functions correctly

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



- Do not spray air fresheners or other products directly into the sensor holes.



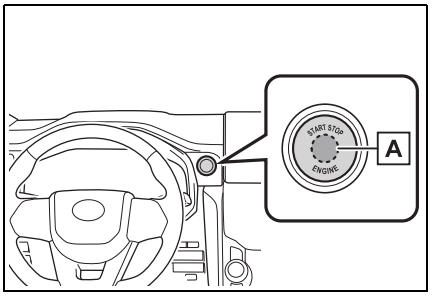
- Installing accessories other than genuine Toyota parts or leaving objects between the driver's seat and front passenger's seat may reduce the detection performance.
- The intrusion sensor may be canceled when the electronic key is near the vehicle.

Fingerprint Authentication System*

*: If equipped

The fingerprint authentication system performs fingerprint authentication by authenticating the finger used to touch the fingerprint sensor on the engine switch, against fingerprint information registered to the vehicle. If authentication is not successful, it prevents the engine from starting.

Vehicles with multimedia system: For information on registering/deleting fingerprint information, refer to the "Multimedia Owner's Manual".



A Fingerprint sensor

Fingerprint authentication system

- The vehicle is delivered with no fingerprint information registered. The engine can be started as the smart entry & start system even if no information is registered.
- Successful fingerprint authentication alone is not enough to switch the engine switch mode or start the engine. The electronic key must also be held.
- Fingerprint authentication is used as an authentication device for My Settings functions. (→P.231)

Registering/deleting fingerprint information (vehicles without multimedia system)

Fingerprint information can be registered or deleted on the multi-information display. (→P.141, 150)

Registering fingerprint information to the vehicle for the first time

1 Turn the engine switch on.

2 Select "Fingerprint" in screen - / "Vehicle Settings" screen on the multi-information display, and then press OK.

3 Select "Registration" and then press OK.

4 Select "Add" and then press OK.

5 Select the driver to register, and then press OK.

6 Select either "Finger1" or "Finger2" (if "Guest" was selected, select from "Finger1" to "Finger4"), and then press OK.

7 When the screen asks you to "Read Owner's Manual "Agreement on Fingerprint System"

Section", select "Agree" and then press OK.

Selecting "Agree" means that you agree with the "Agreement on Fingerprint System" on P.119. After agreeing with how personal information will be handled, the system may be used.



8 Using the finger to register fingerprint information, touch the fingerprint sensor multiple times while slightly changing the position of the finger.

Once fingerprint information has been registered, a message is displayed on the multi-information display.

■ **Registering fingerprint information for subsequent fingerprints**

1 Turn the engine switch on.

2 Select "Fingerprint" in screen - / "Vehicle Settings" screen on the multi-information display, and then press OK.

3 Select "Registration" and then press OK.

If "Registration" cannot be selected, have someone with registered fingerprint information touch the fingerprint sensor.

4 When "Touch Sensor with Already Registered Finger" is displayed, have someone with registered fingerprint information touch the fingerprint sensor to perform fingerprint authentication.

The buzzer will sound (a short beep) when fingerprint authentication is successful.

5 Select "Add" and then press OK.

6 Select the driver to register, and then press OK.

7 Select either "Finger1" or "Finger2" (if "Guest" was selected, select from "Finger1" to "Finger4"), and then press OK.

This cannot be selected if fingerprint information has already been registered.

8 When the screen asks you to "Read Owner's Manual "Agreement on Fingerprint System" Section", select "Agree" and then press OK.

Selecting "Agree" means that you agree with the "Agreement on Fingerprint System" on P.119. After agreeing with how personal information will be

handled, the system may be used.



9 Using the finger to register fingerprint information, touch the fingerprint sensor multiple times while slightly changing the position of the finger.

Once fingerprint information has been registered, a message is displayed on the multi-information display.

■ **Deleting fingerprint information for a single fingerprint**

1 Turn the engine switch on.

2 Select " Fingerprint" in screen - / "Vehicle Settings" screen on the multi-information display, and then press OK.

3 Select "Registration" and then press OK.

If "Registration" cannot be selected, have someone with registered fingerprint information touch the fingerprint sensor.

4 When "Touch Sensor with Already Registered Finger" is displayed, have someone with registered fingerprint information touch the fingerprint sensor to perform fingerprint authentication.

The buzzer will sound (a short beep) when fingerprint authentication is successful.

5 Select "Delete" and then press OK.

6 Select the driver to delete, and then press OK.

7 Select either "Finger1" or "Finger2" (if "Guest" was selected, select from "Finger1" to "Finger4"), and then press OK.

This cannot be selected if fingerprint information has not been registered yet.

8 "Authentication by Finger will be impossible Continue?" is displayed. Select "Yes" and then press OK.

Once fingerprint information has been deleted, a message is displayed on the multi-information display.

After agreeing with how personal information will be handled, the system may be used. (→P.119)

■ **Deleting all fingerprint information**

1 Turn the engine switch on.

2 Select " Fingerprint" in screen - / "Vehicle Settings" screen on the multi-information display, and then press OK.

3 Select "Registration" and then press OK.

If "Registration" cannot be selected, have someone with registered fingerprint information touch the fingerprint sensor.

4 When “Touch Sensor with Already Registered Finger” is displayed, have someone with registered fingerprint information touch the fingerprint sensor to perform fingerprint authentication.

The buzzer will sound (a short beep) when fingerprint authentication is successful.

5 Select “Delete ALL” and then press OK.

6 “Delete ALL and Turn OFF Function?” is displayed. Select “Yes” and then press OK.

Once all fingerprint information has been deleted, a message is displayed on the multi-information display.

When all fingerprint information is deleted, the fingerprint authentication system will automatically turn off.

After agreeing with how personal information will be handled, the system may be used. (→P.119)

Fingerprint registration

- When registering fingerprint information, repeatedly touch the fingerprint sensor seated in the posture you would use when starting the engine.
- When registering fingerprint information, you may need to touch the sensor multiple times with the finger that will be used to start the engine. Slightly change the position of your finger when touching to touch a wider area.
- Vehicles without multimedia system: When fingerprint information is registered for the first time, the fingerprint authentication system will automatically turn on. Check the multi-information display to see whether the fingerprint authentication system is on or off. (→P.141)
- Vehicles with multimedia system: When fingerprint information is registered for the first time, the fingerprint authentication system will automatically turn on. Check the Multimedia Display to see whether the fingerprint authentication system is on or off. Refer to the “Multimedia Owner’s Manual”.
- When touching the fingerprint sensor, ensure that your finger covers the entire surface of the sensor. Touching the sensor with your fingertip or the side of your finger may prevent authentication.
- Touch the sensor slowly. Touching too quickly or strongly, or sliding your finger along the sensor while touching may prevent normal recognition.
- When repeatedly touching the fingerprint sensor, wait approximately 1 second in between each touch. Repeatedly touching the sensor too quickly may cause authentication to fail.

Agreement on Fingerprint System

Fingerprint information is used by this system for security functions and Personal Settings functions. Fingerprint information is encrypted and stored only in the engine switch, and is used only to perform fingerprint authentication to start the engine and perform other vehicle functions (such as automatically adjusting the seat and mirror positions). Fingerprint information will not be disclosed or provided to any third parties. Users are allowed to delete their stored fingerprint information based on their intention.

Use the system after agreeing with the following items on how fingerprint information is handled.

- The fingerprint authentication system does not completely guarantee the authentication, verification or identifi-

cation of the individual. Please be advised in advance that Toyota does not accept any liability for loss or damage resulting from the use of fingerprint authentication or from being unable to use fingerprint authentication.

- This system uses identifying fingerprint characteristics for authentication. Therefore, users with few identifying fingerprint characteristics may be unable to register fingerprint information, or may have difficulty authenticating even if fingerprint information has been successfully registered. In this situation, turn the fingerprint authentication system off.
- Fingerprint authentication system performance may vary depending on the conditions of use. The condition of the finger (if it is dirty, wet, dry, injured, etc.) may make it difficult to scan the fingerprint or reduce authentication performance.
- If fingerprint information registration or fingerprint authentication fails frequently, clean the surface of the fingerprint sensor and try registering fingerprint information again.
- Fingerprint information registered in the engine switch cannot be migrating to another device. If fingerprint information is deleted or any system part is replaced, the fingerprint information will need to be registered again.
- If a user with registered fingerprint information cannot be identified when diagnosing a fingerprint authentication system malfunction, the fingerprint information may be deleted by a Toyota dealer.
- Fingerprint information once deleted cannot be restored. The fingerprint information will need to be registered again.
- Fingerprint information will generally be deleted when replacing the engine switch. Please note that if fingerprint information cannot be deleted due to a malfunction, etc., the part containing fingerprint information may be recalled or returned to the user.
- If the part is recalled, it will be used only to analyze the malfunction.
- If it is returned to the user, the user's personal information will be stored in the engine switch. Be especially carefully managing it.
- Be sure to delete fingerprint information if the vehicle will be sold, transferred, scrapped, etc. Please be advised in advance that Toyota does not accept any liability for loss or damage resulting from a vehicle being sold, transferred, scrapped, etc. with fingerprint information stored.
- Fingerprint information is encrypted and stored only in the engine switch, and will not be disclosed or provided to any third parties.

■ Taking care of the fingerprint sensor

When cleaning the surface of the fingerprint sensor, wipe clean with a soft cloth without any cloth fibers.

■ Customization

The fingerprint authentication system can be turned on and off. (Customizable features: →P.701)

Observe the following precautions when turning the fingerprint authentication system on and off.

- Fingerprint information for at least one fingerprint must be registered.
- A user with registered fingerprint information must successfully perform fingerprint authentication and the engine switch must be turned on.
- Vehicles without multimedia system: The fingerprint authentication system can be turned on and off even if fingerprint authentication fails, by touching the electronic key to the engine switch and turning the engine switch on. (→P.666)
- Vehicles with multimedia system: Even if fingerprint authentication fails, the fingerprint authentication system

can be turned on and off on the Multimedia Display, after turning the engine switch to ON by touching the electronic key to the engine switch.

- If the fingerprint authentication system is turned off, a message indicating that the fingerprint authentication system is off will be displayed on the multi-information display when the engine switch is turned off. This message will be displayed for 10 days.

NOTICE

To protect the engine switch from damage, make sure to observe the following precautions.

- Do not subject the part to strong impacts. Do not remove, disassemble or modify the part. Doing so could result in a malfunction or damage.
- Do not poke or scratch the surface of the fingerprint sensor with a pen or other sharp object. Doing so could damage the surface of the fingerprint sensor.
- The part may become dirty with prolonged use. Do not use a sharp object to clean away any dirt.
- Fingerprint authentication may fail if the surface of the fingerprint sensor or the finger being used is wet or dirty.
- Do not attach stickers or apply ink to the surface of the fingerprint sensor.
- Clean the surface of the fingerprint sensor periodically. Dust, finger grease, sweat, etc. or condensation on the surface of the fingerprint sensor could cause a malfunction.
- If any substance that could cause a malfunction or damage (dust, sand, dye, ink, soap, detergent, acid or acidic food, oil, lotion, etc.) becomes attached to the fingerprint sensor, clean it off immediately.
- Avoid using detergents (such as glass cleaner, spray liquid cleaner, solvents, and ammonia) or abrasives (such as wax or sandpaper). Doing so could result in a malfunction or damage.

Vehicle status information and indicators

2

2-1. Instrument cluster

Warning lights and indicators 124

Gauges and meters (with 7-inch display).....130

Gauges and meters (with 12.3-inch display).....135

Multi-information display (7-inch display).....141

Multi-information display (12.3-inch display).....150

Head-up display.....162

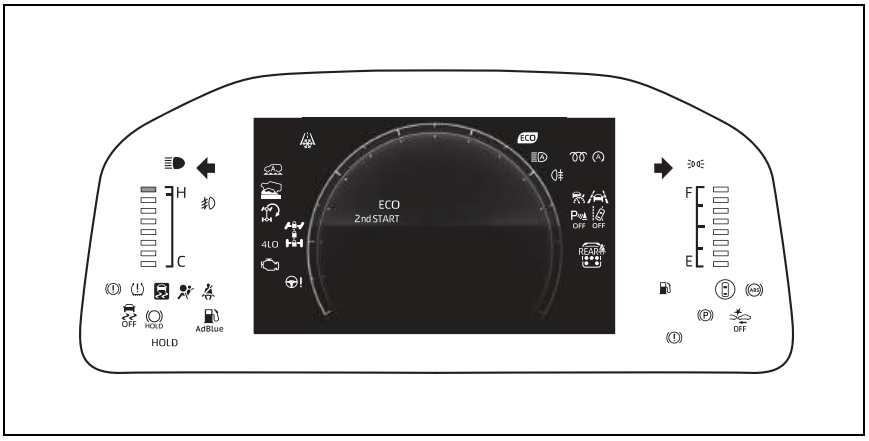
Fuel consumption information 166

Warning lights and indicators

The warning lights and indicators on the instrument cluster 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

■ **With 7-inch display**

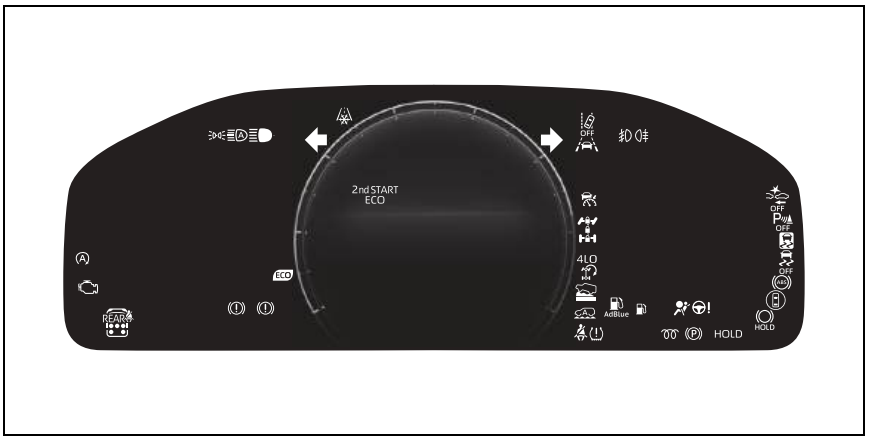


The units used on the meters and some indicators may differ depending on the target region.

The image may differ from the actual condition.

■ With 12.3-inch display

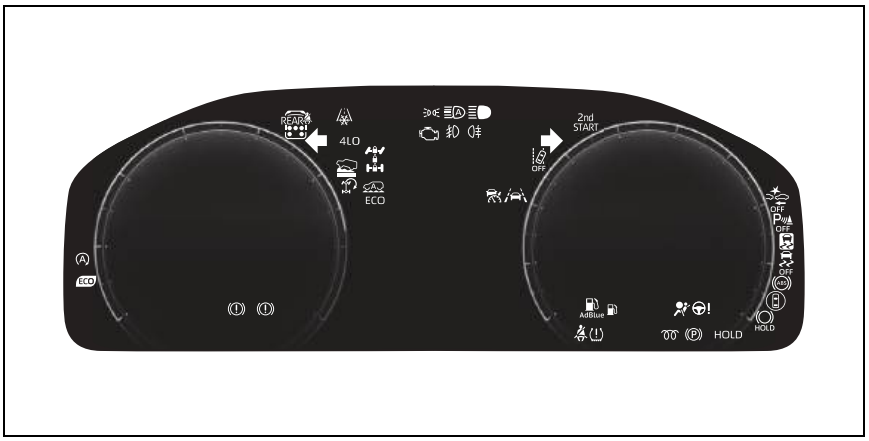
▶ Type 1



The location of warning lights and indicators may differ depending on the intended destination of the vehicle.

The image may differ from the actual condition.

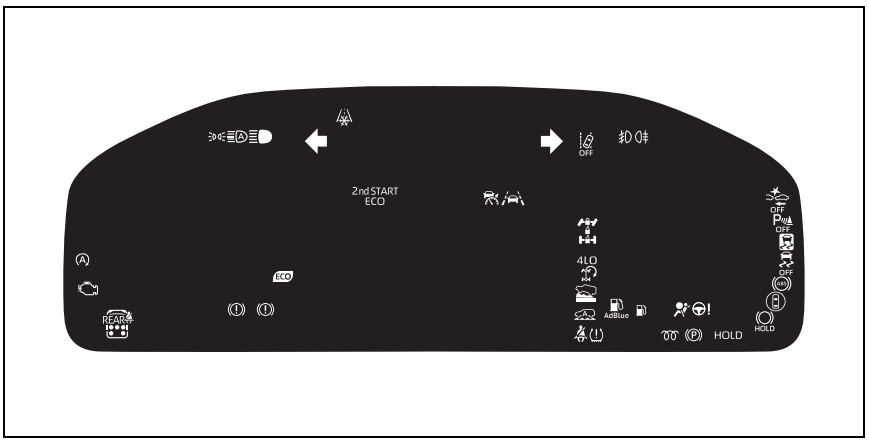
▶ Type 2



The location of warning lights and indicators may differ depending on the intended destination of the vehicle.

The image may differ from the actual condition.

▶ Type 3



The location of warning lights and indicators may differ depending on the intended destination of the vehicle.

The image may differ from the actual condition.

Warning lights

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

- Brake system warning light[*1] (→P.636) (Red)
- Brake system warning light[*1] (→P.636) (Yellow)
- Charging system warning light[*2] (→P.636)
- Low engine oil pressure warning light[*2] (→P.637)
- High coolant temperature warning light[*2] (→P.637)
- Malfunction indicator lamp[*1] (→P.637)
- SRS warning light[*1] (→P.637)
- ABS warning light[*1] (→P.638)
- Power steering system warning light[*1] (if equipped) (→P.638)
- PCS warning light[*1] (if equipped) (→P.638)
- LTA indicator (if equipped) (→P.638) (Yellow)
- LDA indicator (if equipped) (→P.638) (Yellow)
- Cruise control indicator (if equipped) (→P.639) (Yellow)
- Dynamic radar cruise control indicator (if equipped) (→P.639) (Yellow)


(Yellow)
Driving assist information indicator*1 (if equipped) (→P.639)


Toyota parking assist-sensor OFF indicator*1 (if equipped) (→P.640)


Inappropriate pedal operation warning light*2 (→P.640)


(Flashes)
Stop & Start cancel indicator*1 (if equipped) (→P.640)


Slip indicator light*1 (→P.641)


(Flashes)
Low speed four-wheel drive indicator light (→P.641)


(Flashes)
Front differential lock indicator (if equipped) (→P.641)


(Flashes)
Center differential lock indicator (→P.641)


(Flashes)
Rear differential lock indicator (if equipped) (→P.642)


(Flashes)
Parking brake indicator (→P.642)


(Flashes)
Brake hold operated indicator*1 (→P.642)


Low fuel level warning light (→P.642)


Low AdBlue™ level warning light (if equipped) (→P.642)


Tire pressure warning light*1 (if equipped) (→P.643)


Driver's and front passenger's seat belt reminder light (→P.643)


Rear passengers' seat belt reminder light (if equipped) (→P.644)

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

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

WARNING

■ If a safety system warning light does not come on

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

Indicators

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


Turn signal indicator (→P.277)


Tail light indicator (→P.285)


Headlight high beam indicator (→P.287, 292, 295)


AHS indicator (if equipped) (→P.290)
AHB indicator (if equipped) (→P.293)


Front fog light indicator (if equipped) (→P.296)


Rear fog light indicator (if equipped) (→P.296)



PCS warning light*1, 2 (if equipped) (→P.312)


(White)
LTA indicator (if equipped) (→P.325)


(Green)
LTA indicator (if equipped) (→P.325)


(Green)
LDA indicator (if equipped) (→P.330)



(Yellow)
LDA OFF indicator*2 (if equipped) (→P.330)


(Green)
Cruise control indicator (if equipped) (→P.350, 353)


(White)
Cruise control indicator (if equipped) (→P.350, 353)


(Green)
Dynamic radar cruise control indicator (if equipped) (→P.339)


(White)
Dynamic radar cruise control indicator (if equipped) (→P.339)


(Yellow)
Driving assist information indicator*1, 2 (if equipped) (→P.365, 378, 388, 394, 398)


BSM outside rear view mirror indicators*3 (if equipped) (→P.365, 378, 388)



Toyota parking assist-sensor OFF indicator*1, 2 (if equipped) (→P.383)


Toyota parking assist-sensor detection indicator*6 (if equipped) (→P.382)



Eco Driving Indicator Light*1 (→P.143, 153)


Stop & Start indicator*1 (if equipped) (→P.358)



Stop & Start cancel indicator*1, 2 (if equipped) (→P.359)


Engine preheating indicator (diesel engine) (→P.265)


(Flashes)
Slip indicator light*1 (→P.496)



VSC OFF indicator*1, 2 (→P.496)


Downhill assist control system indicator*1 (if equipped) (→P.489)


Turn Assist indicator (if equipped) (→P.484)


Crawl Control indicator*1 (if equipped) (→P.481)



Second start mode indicator (if equipped) (→P.272, 276)



Power mode indicator (if equipped) (→P.276)



Low speed four-wheel drive indicator light (→P.475)


Front differential lock indicator (if equipped) (→P.478)


Center differential lock indicator (→P.476)


Rear differential lock indicator (if equipped) (→P.480)


Parking brake indicator (→P.278)



Brake hold standby indicator*1 (→P.282)



Brake hold operated indicator*1 (→P.282)


Smart entry & start system indicator*4 (→P.265)


Low outside temperature indicator*5 (→P.131, 138)



Eco drive mode indicator (if equipped) (→P.473)



Sport mode indicator (if equipped) (→P.473)



Comfort mode indicator (if equipped) (→P.473)



Sport S mode indicator (if equipped) (→P.473)



Sport S+ mode indicator (if equipped) (→P.473)



Custom mode indicator (if equipped) (→P.473)


AUTO mode indicator (if equipped) (→P.486)


DIRT mode indicator (if equipped) (→P.486)


SAND mode indicator (if equipped) (→P.486)


MUD mode indicator (if equipped) (→P.486)


DEEP SNOW mode indicator (if equipped) (→P.486)


ROCK mode indicator (if equipped) (→P.486)

*1: These lights turn on when the engine switch is turned to ON to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if the lights do not turn on, or turn off. Have the vehicle inspected by your Toyota dealer.

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

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

*4: This light illuminates on the multi-information display with a message.

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

*6: Vehicles without multimedia display or rear camera

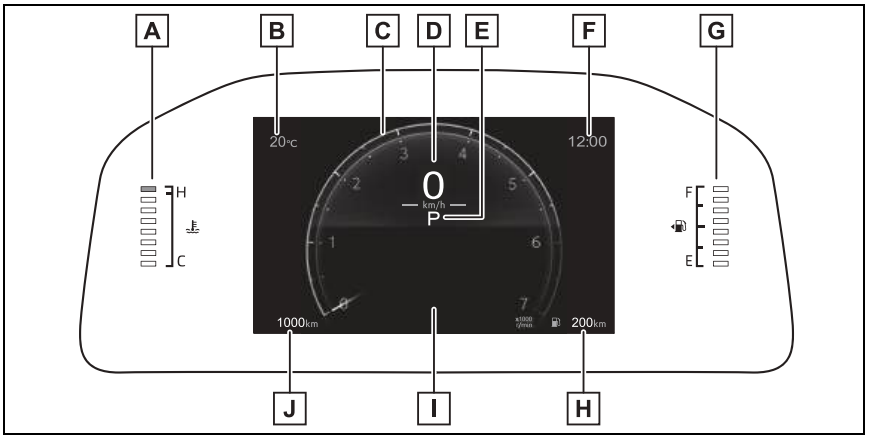
■ Toyota parking assist sensor OFF indicator

Vehicles without multimedia display:
The indicators turn off when the shift position is changed to R regardless of whether the Toyota parking assist sensor function is turned on or off.

Gauges and meters (with 7-inch display)

Meter display

■ Locations of gauges and meters



The units used on the meter and display may differ depending on the target region.

A Engine coolant temperature gauge

Displays the engine coolant temperature

B Outside temperature (→P.131)

C Tachometer/Analog speedometer

Tachometer:

Displays the engine speed in revolutions per minute

Analog speedometer:

Displays the vehicle speed

D Digital speedometer

Displays the vehicle speed

E Shift position and shift range/gear position

Displays the selected shift position or selected shift range/gear position (→P.270, 273)

F Clock (→P.132)

G Fuel gauge

Displays the quantity of fuel remaining in the tank

H Distance to empty

Displays the driving range with remaining fuel

I Multi-information display

Presents the driver with a variety of driving-related data (→P.141)

Displays warning messages if a malfunction occurs (→P.646)

J Odometer, trip meter and oil maintenance (if equipped)

Odometer:

Displays the total distance that the vehicle has been driven

Trip meter:

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.

Oil maintenance:

Displays the distance until the next engine oil change.

■ The meters and display illuminate when

The engine switch is in ON.

■ Distance to empty

- This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed.
- When only a small amount of fuel is added to the tank, the display may not be updated. When refueling, turn the engine switch off. If the vehicle is refueled without turning the engine switch off, the display may not be updated.
- 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.

■ 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.
- Displays the outside temperature within the range of -40°C (-40°F) to 60°C (140°F).
- When the outside temperature is approximately 3°C (37°F) or lower, the indicator will flash for approximately 10 seconds, then stay on.

■ Liquid crystal display

→P.141

■ Free/Open Source Software Information

This product contains Free/Open Source Software (FOSS). The license information and/or the source code of such FOSS can be found at the following URL.

https://www.yazaki-group.com/rd-tech/oss/893

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 display monitor may respond slowly, and display changes may be delayed.

For example, there is a lag between the driver's shifting and the new gear number appearing on the display. This lag could cause the driver to downshift again, causing rapid and excessive engine braking and possibly an accident resulting in death or injury.

NOTICE

■ To prevent damage to the engine and its components

- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone ("H"). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P.674)

Using the "ODO TRIP" switch

■ Display items

- Odometer

Displays the total distance the vehicle has been driven.

- Trip meter A/trip meter B

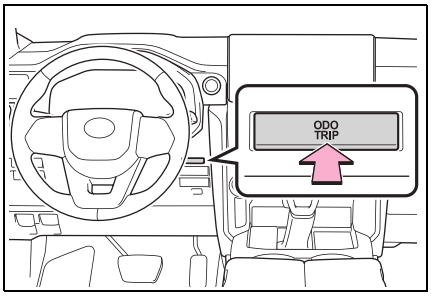
Displays the distance the vehicle has been driven since the meter was last reset. Trip meters A and B can be used to record and display different distances independently.

- Distance until next engine oil change (if equipped)

Displays the distance the vehicle can be driven until an oil change is necessary.

■ 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.



■ Pop-up display

- Stop & Start system operating state (if equipped) (→P.362)
- Distance until next engine oil change (if equipped)

When a warning message indicating that oil maintenance should be performed soon or is required is displayed.

Adjusting the clock

The clocks can be adjusted on either the multi-information display or the navigation/multimedia system.

▶ Vehicles without navigation system

By displaying the screen from the screen of the multi-information display, you can change the following settings related to the clock.

- Resetting the minutes display
- Changing the clock between 12-hour display and 24-hour format.
- Adjusting the time

■ **To reset the minutes display**

1 Press ∧ or ∨ of the meter control switches on the steering wheel and select .

2 Press < or > of the meter control switches on the steering wheel and select .

By pressing OK of the meter control switches on the screen, you can set “Minutes” to 00.

- Minutes from 0 to 29 are rounded down.

(For example, from 1:00 to 1:29 are displayed as 1:00)

- From 30 to 59 minutes are rounded up.

(For example, from 1:30 to 1:59 are displayed as 2:00)

■ **To adjust the time**

1 Press ∧ or ∨ of the meter control switches on the steering wheel and select .

2 Press < or > of the meter control switches on the steering wheel and select .

3 On the screen, press and hold OK of the meter control switches.

4 Select the “12H/24H”, “Time” or “Minutes” by operating < or > of the meter control switches.

5 Press the ∧ or ∨ of the meter control switches to change the display contents.

When the setting is completed, press ⮌ to return to the previous screen.

▶ Vehicles with navigation system

Refer to “Multimedia Owner’s Manual”.

Adjusting the meter light brightness

1 Press ∧ or ∨ of the meter control switches on the steering wheel and select .

2 Press < or > of the meter control switches on the steering wheel and select .

3 Press the < or > of the meter control switches to adjust the brightness.

Brightness of the meter lights (day mode and night mode)

The brightness of the meter lights can be adjusted individually.

In the following situations, the meters changes between day mode and night mode.

- Day mode: When the tail lights are off or when the tail lights are on but the surrounding area is bright
- Night mode: When the tail lights are on and the surrounding area is dark

Gauges and meters (with 12.3-inch display)

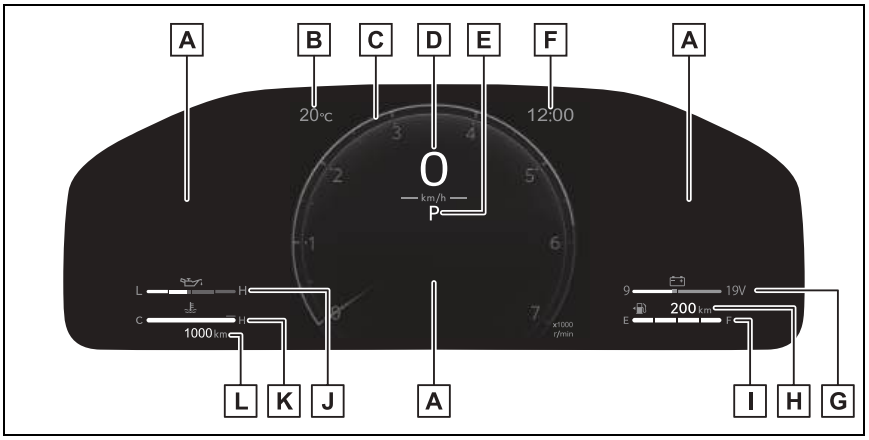
The meters display various drive information.

Meter display

■ Locations of gauges and meters

The meter display type setting can be changed. (→P.157)

▶ Type 1/Type 3



The location of some displayed items and the units of measure may differ depending on the intended destination of the vehicle.

A Multi-information display

Presents the driver with a variety of vehicle data (→P.150)
Displays warning messages if a malfunction occurs (→P.646)

B Outside temperature (→P.138)

C Analog meter (Type 1 only)

Analog meter can be changed on the settings. (→P.157)

Tachometer:

Displays the engine speed in revolutions per minute

Analog speedometer:

Displays the vehicle speed

D Digital speedometer

Displays the vehicle speed

E Shift position and shift range/gear position (→P.270, 273)

F Clock (→P.139)

G Voltmeter

Displays the charge state

H Distance to empty

Displays the driving range with remaining fuel (→P.137)

I Fuel gauge

Displays the quantity of fuel remaining in the tank.

J Engine oil pressure gauge

Displays the engine oil pressure

K Engine coolant temperature gauge

Displays the engine coolant temperature

L Odometer, trip meter and oil maintenance (if equipped)

Odometer:

Displays the total distance that the vehicle has been driven

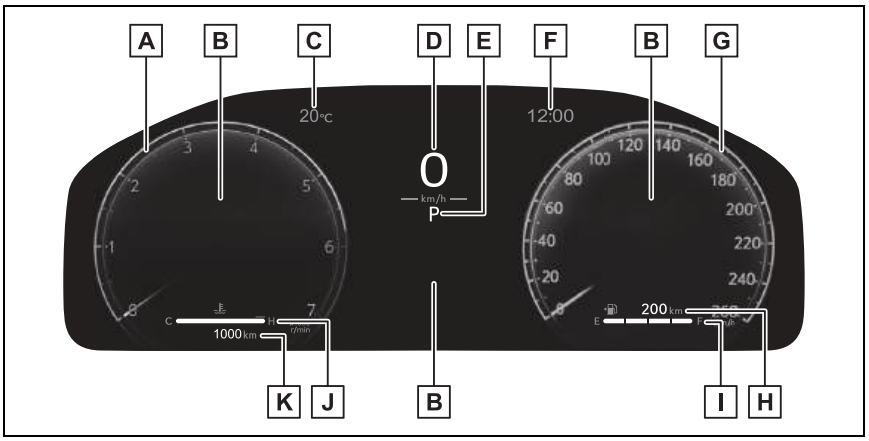
Trip meter:

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.

Oil maintenance:

Displays the distance until the next engine oil change.

▶ Type 2



The location of some displayed items and the units of measure may differ depending on the intended destination of the vehicle.

A Tachometer

Displays the engine speed in revolutions per minute

B Multi-information display

Presents the driver with a variety of vehicle data (→P.150)

Displays warning messages if a malfunction occurs (→P.646)

C Outside temperature (→P.138)

D Digital speedometer

Displays the vehicle speed

E Shift position and shift range/gear position (→P.270, 273)

F Clock (→P.139)

G Analog speedometer

Displays the vehicle speed

H Distance to empty

Displays the driving range with remaining fuel (→P.137)

I Fuel gauge

Displays the quantity of fuel remaining in the tank.

J Engine coolant temperature gauge

Displays the engine coolant temperature

K Odometer, trip meter and oil maintenance (if equipped)

Odometer:

Displays the total distance that the vehicle has been driven

Trip meter:

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.

Oil maintenance:

Displays the distance until the next engine oil change.

■ **The meters and display illuminate when**

The engine switch is in ON.

■ **Distance to empty**

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

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

■ **Outside temperature display**

- Displays the outside temperature within the range of -40°C (-40°F) to 60°C (140°F)
- When the outside temperature is approximately 3°C (37°F) or lower, the indicator will flash for approximately 10 seconds, then stay on.
- 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.

■ **Liquid crystal display**

→P.151

■ **Free/Open Source Software Information**

This product contains Free/Open Source Software (FOSS). The license information and/or the source code of such FOSS can be found at the following URL.

https://www.yazaki-group.com/rd-tech/oss/889

■ **Customization**

The gauges and meters can be customized on of the multi-information display. (→P.157)

WARNING

■ **The information display at low temperatures**

Allow the interior of the vehicle to warm up before using the liquid crystal information display. At extremely low temperatures, the information display monitor may respond slowly, and display changes may be delayed.

For example, there is a lag between the driver’s shifting and the new gear number appearing on the display. This lag could cause the driver to downshift again, causing rapid and excessive engine braking and possibly an accident resulting in death or injury.

NOTICE

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

- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P.674)

Using the “ODO TRIP” switch

■ **Display items**

- Odometer

Displays the total distance the vehicle has been driven.

- Trip meter A/trip meter B

Displays the distance the vehicle has

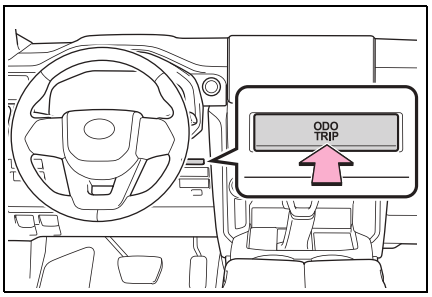
been driven since the meter was last reset. Trip meters A and B can be used to record and display different distances independently.

- Distance until next engine oil change (if equipped)

Displays the distance the vehicle can be driven until an oil change is necessary.

■ **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.



■ **Pop-up display**

- Stop & Start system operating state (if equipped) (→P.362)
- Distance until next engine oil change (if equipped)

When a warning message indicating that oil maintenance should be performed soon or is required is displayed.

Adjusting the clock

The clock can be adjusted on either the multi-information display or the multimedia system.

▶ Vehicles without multimedia system

By displaying the “Clock Setting” screen from the screen of the multi-information display, you can change the following settings related to the clock.

- Resetting the minutes display
- Changing the clock between 12-hour display and 24-hour format.
- Adjusting the time

■ **To reset the minutes display**

1 Press and hold OK to display the cursor on the content display area (center).

2 Press ∧ or ∨ of the meter control switches on the steering wheel and select .

3 Press ∧ or ∨ of the meter control switches on the steering wheel and select “Clock Setting”.

By pressing OK of the meter control switches on the “Clock Setting” screen, you can set “Minutes” to 00.

- Minutes from 0 to 29 are rounded down.

(For example, from 1:00 to 1:29 are displayed as 1:00)

- From 30 to 59 minutes are rounded up.

(For example, from 1:30 to 1:59 are dis-

played as 2:00)

■ **To adjust the time**

1 Press and hold OK to display the cursor on the content display area (center).

2 Press ∧ or ∨ of the meter control switches on the steering wheel and select ⚙.

3 Press ∧ or ∨ of the meter control switches on the steering wheel and select "Clock Setting".

4 On the "Clock Setting" screen, press and hold OK of the meter control switches.

5 Select the "12H"/"24H", "Time" or "Minutes" by operating ‹ or › of the meter control switches.

6 Press the ∧ or ∨ of the meter control switches to change the display contents.

When the setting is completed, press ⮌ to return to the previous screen.

▶ Vehicles with multimedia system

Refer to "Multimedia Owner's Manual".

Adjusting the meter light brightness

1 Press and hold OK to display the cursor on the content display area (center).

2 Press ∧ or ∨ of the meter control switches on the steering wheel and select ⚙.

3 Press ∧ or ∨ of the meter control switches on the steering wheel and select "Adjust Meter Brightness".

4 Press the ‹ or › of the meter control switches to adjust the brightness.

■ **Brightness of the meter lights (day mode and night mode)**

The brightness of the meter lights can be adjusted individually.

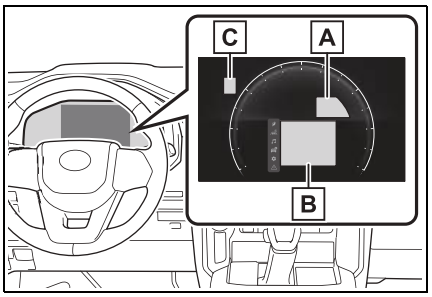
In the following situations, the meters changes between day mode and night mode.

- Day mode: When the tail lights are off or when the tail lights are on but the surrounding area is bright
- Night mode: When the tail lights are on and the surrounding area is dark

Multi-information display (7-inch display)

Display contents

Following information is displayed on the multi-information display.



A Driving support system information (→P.143)

B Information display area

A variety of information can be displayed by selecting a menu icon.

Additionally, warning or suggestion/advice pop-up displays will be displayed in some situations.

C RSA (Road Sign Assist) display area (if equipped)

Displays recognized signs while the RSA (Road Sign Assist) is operating. (→P.335)

■ The multi-information display is displayed when

The engine switch is in ON.

■ When changing driving mode

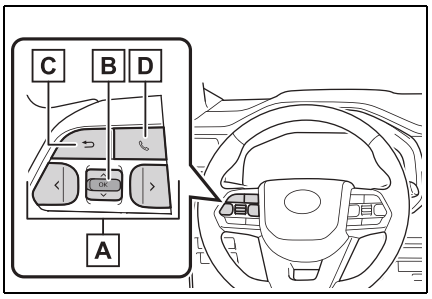
Background color of the multi-information display is changed following the selected driving mode (if equipped) or Multi-terrain Select mode (if equipped). (→P.473, 486)

■ 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.

Changing the display

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



A ∧/∨: Select menu icons, scroll the screen and move the cursor

〈/〉: Change displayed content, scroll the screen and move the cursor

B Press: Enter/Set
Press and hold: Reset

C Return to the previous screen

D Call sending/receiving and history display (if equipped)

Linked with the hands-free system, sending or receiving call is displayed. For details regarding the hands-free system, refer to the “Multimedia Owner’s Manual”.

WARNING

■ Caution for use while driving

For safety, avoid operating the meter control switch while driving as much as possible, and do not look continuously at the multi-information display while driving. Stop the vehicle and operate the meter control switch. Failure to do so may cause a steering wheel operation error, resulting in an unexpected accident.

Menu icons

Information related to each icon can be displayed by selecting the icon with the meter control switches.

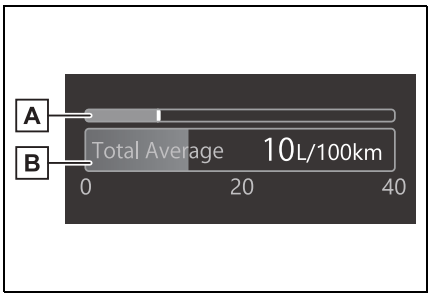
Some of the information may be displayed automatically depending on the situation.

Icon	Display
	Driving information display (→P.142)
	Driving support system information display (if equipped) (→P.143)
	Audio system-linked display (if equipped) (→P.143)
	Vehicle information display (→P.143)
	Settings display (→P.146)
	Warning message display (→P.149)

Driving information display

Select to display fuel consumption data in various forms.

■ Fuel Economy



A Current fuel consumption

Displays the instantaneous current fuel consumption.

B Average fuel economy (after start)

Displays the average fuel economy since the function was reset or the average fuel economy after starting.*1, 2, 3

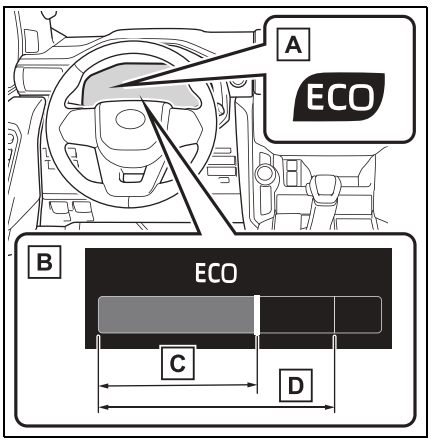
The average fuel economy selected by “Fuel Economy” on the ⚙ screen is displayed.

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

*2: Average fuel economy after starting is reset each time the engine stops.

*3: Average fuel economy since the function was reset can be reset by pressing and holding OK.

■ Eco Driving Indicator



A Eco Driving Indicator Light

During Eco-friendly acceleration operation (Eco driving), the Eco Driving Indicator Light will turn on. When the acceleration exceeds Zone of Eco driving, or when the vehicle is stopped, the light turns off.

B Eco Driving Indicator Zone Display

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

C Eco driving ratio based on acceleration

If the acceleration exceeds Zone of Eco driving, the right side of Eco Driving Indicator Zone Display will illuminate.

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

D Zone of Eco driving

■ The ECO Driving indicator will not operate when

Eco Driving Indicator will not operate in the following conditions:

- The shift lever is in any position other than D.
- Neither normal mode nor Eco drive mode is selected.
- The vehicle speed is approximately 130 km/h (80 mph) or higher.

Driving support system information display (if equipped)

■ Driving support system information display

Select to display the operational status of the following systems:

- LDA (Lane Departure Alert) (if equipped) (→P.330)
- Dynamic radar cruise control (if equipped) (→P.339)
- Cruise control (→P.350, 353)

■ Navigation system-linked display (if equipped)

Select to display the following navigation system-linked information.

- Route guidance
- Compass display

Audio system-linked display (if equipped)

The operating conditions of the audio system can be displayed on the multi-information display.

Vehicle information display

■ Drive information

2 items that are selected using the

"Drive Info Item" setting (average speed and distance) can be displayed vertically.

Use the displayed information as a reference only.

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

*: These items are reset each time the engine stops.

■ Trip information

2 items that are selected using the "TRIP A" or "TRIP B" setting (average speed and distance) can be displayed vertically.

Use the displayed information as a reference only.

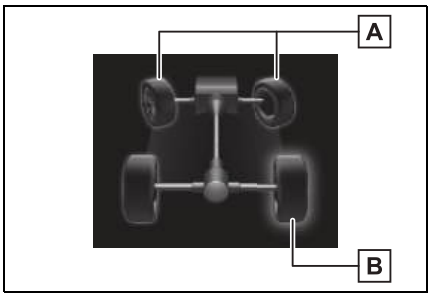
- Average vehicle speed: Displays the average vehicle speed since the display was reset*
- Distance: Displays the distance driven since the display was reset*
- Elapsed time: Displays elapsed time since the display was reset*

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

■ Tire inflation pressure (if equipped)

Displays inflation pressure of each tire. (→P.603)

■ Traction monitor display



A Front tire direction display

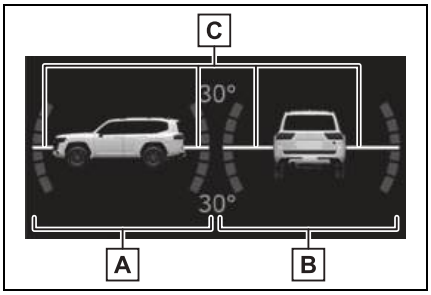
Displays the operation amount and direction of the steering wheel via changes to the front tires on the display.

B Wheel spin display

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

■ Pitch & Roll (Inclinometer display)

Displays the vertical and horizontal tilt angles of the vehicle.



A Degree markers of incline to the front and rear

Indicates the vehicle inclination in degrees in the front and rear directions.

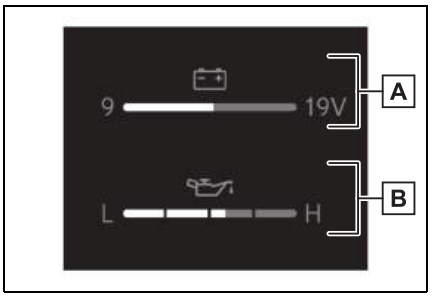
B Degree markers of incline to the left and right

Indicates the vehicle inclination in degrees in the left and right directions.

C Pointer

Indicates the degree of the vehicle inclination in comparison to a parallel line.

■ Auxiliary Gauges



A Voltmeter

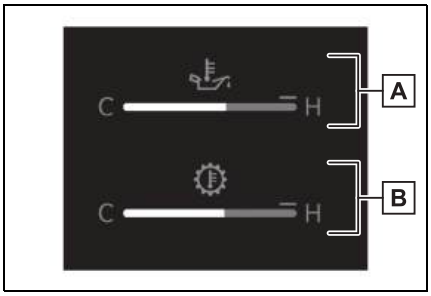
Displays the charge state.

B Engine oil pressure gauge

Displays the engine oil pressure. A buzzer will sound and warning message will be displayed if the engine oil pressure becomes low. (→P.637)

This display is intended for use as a guideline. Depending on factors such as the road surface condition, temperature and vehicle speed, the display may not show the actual condition of the vehicle.

■ Engine oil temperature gauge (if equipped)/transmission oil temperature gauge



A Engine oil temperature gauge (if equipped)

Displays the engine oil temperature. The display will flash if the engine oil temperature exceeds 140°C (284°F).

B Transmission oil temperature gauge

Displays transmission oil fluid temperature.

■ Boost gauge (if equipped)

Displays the boost pressure.



This display is intended for use as a guideline. Depending on factors such as the road surface condition, temperature and vehicle speed, the display may not show the actual condition of the vehicle.

■ **AdBlue™ gauge (if equipped)**

Displays the quantity of AdBlue™ remaining in the tank. (→P.596)



NOTICE

■Voltmeter

When the voltmeter indicates 19 V or higher or 9 V or lower while the engine is running, there may be a battery or charging system malfunction. Have the vehicle inspected at your Toyota dealer.

Settings display

Vehicle settings and the content displayed on the screen can be changed by using the meter control switches.

■ **Setting procedure**

1 Operate ∧ or ∨ of the meter control switches and select ⚙.

2 Operate < or > of the meter control switches and select the desired item.

- If the function is turned on and off or the volume, etc. is changed on the setting screen, the setting is changed each time OK is pressed.
- For functions that allow operation contents, display contents, etc., of function to be selected, the setting screen is displayed by pressing and holding OK. When the setting screen is displayed, select the setting or desired value (time, etc.) with OK.

3 After changing the settings, press ⮌ of the meter control switches.

■ **Clock setting (if equipped) (→P.132)**

Select to set up the clock setting.

■ **Adjust Meter Brightness (→P.133)**

Adjust the brightness of the meter light.

■ **LDA (Lane Departure Alert) (if equipped) (→P.330)**

Select to set up the following items.

● Lane Departure Alert on/off

Select to enable/disable Lane Departure Alert system.

● “Alert Options”

Select to set the alert type.

● “Alert Timing”

Select to set the alert timing.

■ **PCS (Pre-Collision System) (if equipped) (→P.312)**

Select to set up the following items.

● PCS on/off

Select to enable/disable the pre-colli-

sion system.

● “Warning timing”

Select to change the pre-collision warning timing.

■ Toyota parking assist-sensor (if equipped) (→P.382)

Select to set up the following items.

● Toyota parking assist-sensor on/off

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

● “Volume”

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

■ RVAI (Rear Vehicle Approaching Indication) (if equipped) (→P.370)

● Rear vehicle approaching indication on/off

Select to enable/disable the rear vehicle approaching indication.

● “Support timing”

Select to change the rear vehicle approaching indication timing.

■ RSA (Road Sign Assist) (if equipped) (→P.335)

Select to set up the following items.

● Road Sign Assist on/off

Select to enable/disable the RSA system.

● “Notification Method”

Select to change each notification method used to notify the driver when the system recognizes excess speed, no overtaking and no-entry sign.

● “Notification Level”

Select to change each notification level used to notify the driver when the system recognizes a speed limit sign.

■ Vehicle Settings

● Driver Break Suggestion (if equipped)

Select to enable/disable the drive break suggestion.

● DRCC

Select to set up the following items.

• DRCC(RSA) (if equipped)

Select to enable/disable the dynamic radar cruise control with road sign assist function.

• “Speed Limit Offset” (if equipped)

Select to change the set vehicle speed for when a speed limit sign is detected.

• “Acceleration Setting”

Select to change the setting for when vehicle accelerates until the set vehicle speed is reached.

• “Speed Setting”

Select to change the set vehicle speed adjustment increment.

• “Guide message”

Select to enable/disable the guide message display.

• “Curve Speed Reduction”

Select to change the curve speed reduction function setting. (→P.346)

● PBD (Power Back Door) (if equipped) (→P.179)

Select to set up the following items.

• 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) (if equipped) (→P.603)

• “Tyre Set Switching”

Select to register the tire pressure warning system sensor ID code set. (→P.609)

• “Tyre Rotation”

Select to register the position of each wheel after performing a tire rotation. (→P.605)

• “Tyre Pressure Setting”

Select to perform the tire inflation pressure setting procedure of the tire pressure warning system. (→P.607)

• “Pressure unit setting”

Select to change the units of measure displayed.

- Oil Maintenance (if equipped) (→P.586)

Select to reset the Oil maintenance.

- My Settings (→P.231)

• “Setting”

Select to set up My Settings.

• My Settings on/off

Select to enable/disable My Settings function.

- Fingerprint Authentication System (if equipped) (→P.116)

Select to register fingerprint information to the vehicle.

- Rear Seat Reminder (→P.176)

Select to enable/disable the rear seat reminder function.

■ Settings

- “Language”

Select to change the language on the multi-information display.

- “Units”

Select to change the unit of measure for fuel consumption.

- Meter Style

Select to change the meter style.

- Dial Type

Select to change dial type. (→P.135)

- ECO (Eco Driving Indicator Light) (→P.143)

- (Driving information display settings)

Select to set up the following items.

• “Fuel Economy”

Select to change the display on Fuel Economy. (→P.142)

- (Audio settings)

Select to enable/disable screen.

- (Vehicle information display settings)

• “Display Contents”

Select to display the following items.

• “Drive Info Type”

Select to set the items on the upper and lower side of the drive information screen from three items, average speed, distance and total time.

• “Drive Info Items”

Select to set the items on the upper and lower side of the trip information screen

from three items, average speed, distance and total time.

● Pop-Up Display (if equipped)

Select to enable/disable the pop-up displays, which may appear in some situations.

● “MID OFF”

A blank screen is displayed

● “Default Settings”

Select to reset the meter display settings.

■ 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.
- Settings for functions not equipped to the vehicle are not displayed.
- When a function is turned off, the related settings for that function are not selectable.

WARNING

■ Cautions during setting up the display

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

NOTICE

■ During setting up the display

To prevent battery discharge, ensure that the engine is running 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.646)

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 engine switch has been turned off, a suggestion message will 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”.

■ **Suggestion to close the power windows (Driving at high speeds)**

If the vehicle speed exceeds a certain speed 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**

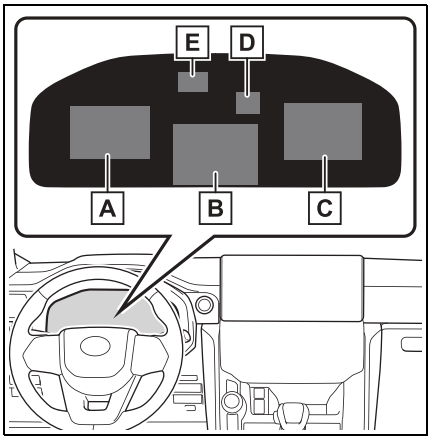
The suggestion function can be turned on/off. (Customizable features: →P.700)

Multi-information display (12.3-inch display)

The multi-information display is used to display fuel efficiency related information and various types of driving-related information. The multi-information display can also be used to change the display settings and other settings.

Display contents

Following information is displayed in each area on the multi-information display.



A Content display area (left)

B Content display area (center)

C Content display area (right)

D Driving support system information display area

When driving information support system is displayed on the content display

area, the system operating state will not be displayed in this area.

E RSA (Road Sign Assist) display area (if equipped) (→P.335)

■ **Content display area (center)**

- Blank (→P.157)
- Driving support system information display (→P.154)
- Map display (if equipped) (→P.154)
- Settings display (→P.157)
- Warning message display (→P.160)

■ **Content display area (left/right)**

- Blank (→P.157)
- Fuel Economy (→P.153)
- Eco Driving Indicator (→P.153)
- Driving support system information display (→P.154)
- Navigation system-linked information display (if equipped) (→P.154)
- Audio system-linked display (→P.154)
- Drive information display (→P.154)
- Tire inflation pressure (if equipped) (→P.155)
- Traction monitor (→P.155)
- Pitch & Roll (Inclinometer display) (→P.155)
- Auxiliary Gauges (→P.155)
- Engine oil temperature gauge (if equipped)/transmission oil temperature gauge (→P.156)
- Boost gauge (if equipped) (→P.156)
- AdBlue™ display (if equipped) (→P.156)

■ **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.

■ **When changing driving mode**

Background color of the multi-information display is changed following the selected driving mode. (→P.473)

WARNING

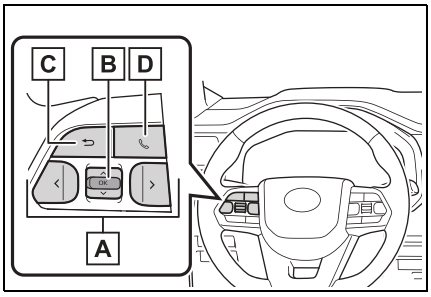
■ **Caution for use while driving**

- 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.138

Meter control switches



A ❮ / ❯ : Change the screen and move the cursor up/down

^/v: Change displayed content and scroll up/down the screen

B Press: Enter/Set
Press and hold: Reset

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 “Multimedia Owner’s Manual”.

Changing the display

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

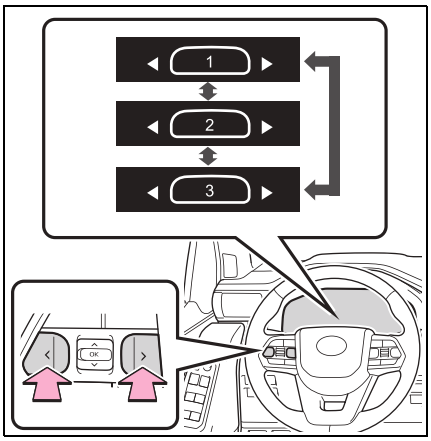
■ Changing the meter display type setting

The meter display type setting can be changed on ⚙. (→P.157)

■ Changing the screen

Select items from the combination of 3 screens to display on each 3 content display areas.

Press ❮ or ❯ of the meter control switch to scroll the screen.



■ Changing the display contents

Switches items displayed on each contents display area (left/center/right).

1 Press and hold OK to display the cursor on the content display area (center).

2 Press ❮ or ❯ to move the cursor and select the content display area.

3 Press ^ or v to select the items.

■ Items displayed in the content display area

Select to enable/disable items on the content display area (left/right).

1 Press and hold OK to display the cursor on the content display area (center).

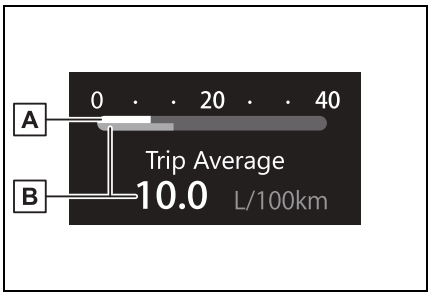
2 Press ❮ or ❯ to move the cursor and select the content display area.

3 Contents display area (left):
Press ❮ to display contents list.
Contents display area (right):
Press ❯ to display contents list.

4 Press ^ or ⌄ to select the items.

5 Press OK to select enable/disable items.

Fuel Economy



A Current fuel economy

Displays the driving range with remaining fuel.

B Average fuel economy

Displays the average fuel economy since the function was reset or the average fuel economy after starting or refueling.*1, 2, 3

The average fuel economy selected by "Fuel Economy" on the ⚙ screen is displayed.

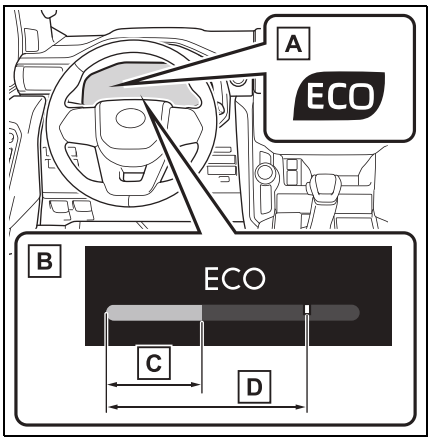
*1: Use the displayed fuel consumption as a reference only.

*2: Average fuel economy after starting is reset each time the engine stops.

*3: Average fuel economy since the function was reset can be reset by pressing and holding OK.

Eco Driving Indicator

■ Eco Driving Indicator



A Eco Driving Indicator Light

During Eco-friendly acceleration operation (Eco driving), the Eco Driving Indicator Light will turn on. When the acceleration exceeds Zone of Eco driving, or when the vehicle is stopped, the light turns off.

B Eco Driving Indicator Zone Display

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

C Eco driving ratio based on acceleration

If the acceleration exceeds Zone of Eco driving, the right side of Eco Driving Indicator Zone Display will illuminate. At this time, the Eco Driving Indicator Light will turn off.

D Zone of Eco driving

■ The ECO Driving indicator will not operate when

Eco Driving Indicator will not operate in the following conditions:

- The shift lever is in any position other than D.
- Neither normal mode nor Eco drive mode is selected.
- The vehicle speed is approximately 130 km/h (80 mph) or higher.

Driving support system information display

Select to display the operational status of the following systems:

- LTA (Lane Tracing Assist) (if equipped) (→P.325)
- LDA (Lane Departure Alert) (if equipped) (→P.330)
- Dynamic radar cruise control (if equipped) (→P.339)
- Cruise control (→P.350, 353)

Map display (if equipped)

Displays the map data according to the navigation system.
Switches the displayed map size by pressing OK .

Navigation system-linked display (if equipped)

Select to display the following navigation system-linked information.

- Route guidance to destination
- Compass display

Audio system-linked display (if equipped)

The operating conditions of the audio system can be displayed on the multi-information display.

Driving information display

■ Drive information

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

Use the displayed information as a reference only.

- “Average Speed”: Displays the average vehicle speed since engine start*
- “Distance”: Displays the distance driven since engine start*
- “Total Time”: Displays elapsed time since engine start*

*: These items are reset each time the engine stops.

■ Trip information

2 items that are selected using the “TRIP A Items” or “TRIP B Items” setting (average speed and dis-

tance) can be displayed vertically.

Use the displayed information as a reference only.

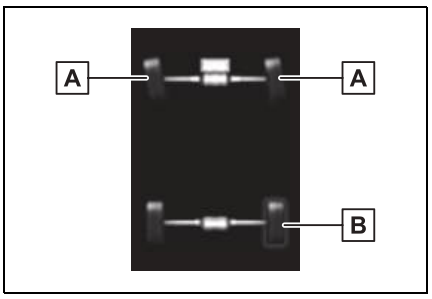
- “Average Speed”: Displays the average vehicle speed since the display was reset*
- “Distance”: Displays the distance driven since the display was reset*
- “Total Time”: Displays elapsed time since display was reset*

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

Tire inflation pressure (if equipped)

→P.603

Traction monitor



A Front tire direction display

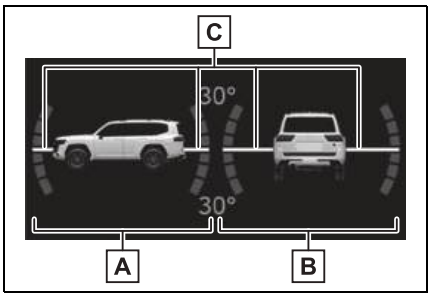
Displays the operation amount and direction of the steering wheel via changes to the front tires on the display.

B Wheel spin display

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

Pitch & Roll (Inclinometer display)

Displays the vertical and horizontal tilt angles of the vehicle.



A Degree markers of incline to the front and rear

Indicates the vehicle inclination in degrees in the front and rear directions.

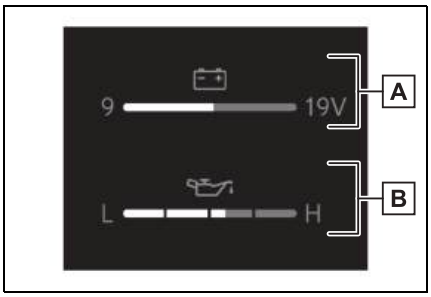
B Degree markers of incline to the left and right

Indicates the vehicle inclination in degrees in the left and right directions.

C Pointer

Indicates the degree of the vehicle inclination in comparison to a parallel line.

Auxiliary Gauges



A Voltmeter

Displays the charge state.

B Engine oil pressure gauge

Displays the engine oil pressure. A buzzer will sound and warning message will be displayed if the engine oil pressure becomes low. (→P.637)

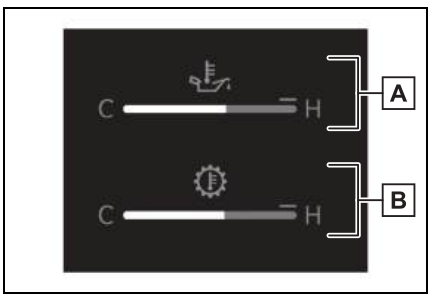
This display is intended for use as a guideline. Depending on factors such as the road surface condition, temperature and vehicle speed, the display may not show the actual condition of the vehicle.

NOTICE

■ Voltmeter

When the voltmeter indicates 19 V or higher or 9 V or lower while the engine is running, there may be a battery or charging system malfunction. Have the vehicle inspected at your Toyota dealer.

Engine oil temperature gauge (if equipped)/transmission oil temperature gauge



A Engine oil temperature gauge (if equipped)

Displays the engine oil temperature.

The display will flash if the engine oil temperature exceeds 140°C (284°F).

B Transmission oil temperature gauge

Displays transmission oil fluid temperature.

Boost gauge (if equipped)

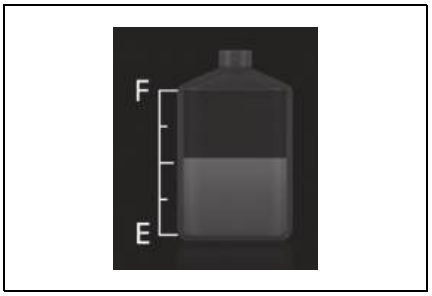
Displays the boost pressure.



This display is intended for use as a guideline. Depending on factors such as the road surface condition, temperature and vehicle speed, the display may not show the actual condition of the vehicle.

AdBlue™ gauge (if equipped)

Displays the quantity of AdBlue™ remaining in the tank. (→P.596)



Blank (No items)

Displays no drive information contents on the multi-information display.

Settings display

Vehicle settings and the content displayed on the screen can be changed by using the meter control switches.

■ Setting procedure

1 Press OK to display the cursor on the content display area (center).

2 Press ∧ or ∨ with the cursor on the content display area (center), then select ⚙.

3 Press ∧ or ∨ of the meter control switch and move the cursor to select the item for changing settings.

If the function is turned on and off or the volume, etc. is changed on the setting screen, the setting is changed each time is pressed OK.

For functions that allow operation contents, display contents, etc., of function to be selected, the setting screen is displayed by pressing and holding OK. When the setting screen is displayed, select the setting or desired value (time, etc.) with OK.

4 After changing the settings, press ⮌ of the meter control switches.

■ Clock (if equipped) (→P.139)

Select to set up the clock setting.

■ Adjust Meter Brightness (→P.140)

Adjust the brightness of the meter light.

■ Head-up display (if equipped) (→P.162)

Select to change the head-up display setting.

■ LDA (Lane Departure Alert) (if equipped) (→P.330)

Select to set up the following items.

- Lane Departure Alert on/off

Select to enable/disable Lane Departure Alert system.

- “Alert Options”

Select to set the alert type.

- “Alert Timing”

Select to set the alert timing.

■ BSM (Blind Spot Monitor) (if equipped) (→P.364)

Select to set up the following items.

- BSM (Blind Spot Monitor) on/off

Select to enable/disable the BSM system.

- “Support timing”

Select to change the alert timing for an approaching vehicle.

- “Brightness”

Select to switch the brightness of the outside rear view mirror indicators. (→P.365)

● “Buzzer alert”

Select to enable/disable the buzzer warning when BSM system is operated.

■ **PCS (Pre-Collision System) (if equipped) (→P.312)**

Select to set up the following items.

● PCS on/off

Select to enable/disable the pre-collision system.

● “Warning timing”

Select to change the pre-collision warning timing.

■ **Toyota parking assist-sensor (→P.382)**

Select to set up the following items.

● Toyota parking assist-sensor on/off

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

● “Volume”

Select to set the volume of the buzzer which sounds when the RCTA (if equipped), the RCD (if equipped) or the Toyota parking assist-sensor function is operated.

■ **RCTA (Rear Cross Traffic Alert) (if equipped) (→P.388)**

Select to set up the following items.

● RCTA (Rear Cross Traffic Alert) on/off

Select to enable/disable the RCTA system.

● “Volume”

Select to set the volume of the buzzer which sounds when the RCTA, the RCD (if equipped) and the Toyota parking assist-sensor is operated.

■ **RVAI (Rear Vehicle Approaching Indication) (if equipped) (→P.370)**

● Rear vehicle approaching indication on/off

Select to enable/disable the rear vehicle approaching indication.

● “Support timing”

Select to change the rear vehicle approaching indication timing.

■ **RCD (Rear Camera Detection) function (if equipped) (→P.393)**

Select to enable/disable the Rear Camera Detection function.

■ **SEA (Safe Exit Assist) (if equipped) (→P.377)**

Select to set up the following items.

● Safe Exit Assist on/off

Select to enable/disable the Safe Exit Assist system.

● “Sensitivity”

Select to change the alert timing for a vehicle or bicycle.

● Mirror indicate on/off

Select to enable/disable the outside rear view mirrors display.

■ **RSA (Road Sign Assist) (if equipped) (→P.335)**

● Road Sign Assist on/off

Select to enable/disable the RSA (Road Sign Assist).

● “Notification Method”

Select to change each notification

method used to notify the driver when the system recognizes excess speed and Do Not Enter sign.

● “Notification Level”

Select to change each notification level used to notify the driver when the system recognizes a speed limit sign.

■ Vehicle Settings

● Driver Break Suggestion (if equipped) (→P.333)

Select to enable/disable the drive break suggestion.

● DRCC (if equipped) (→P.339)

Select to set up the following items.

• DRCC(RSA) (if equipped)

Select to enable/disable the dynamic radar cruise control with road sign assist function.

• “Speed Limit Offset” (if equipped)

Select to change the set vehicle speed for when a speed limit sign is detected.

• “Acceleration Setting”

Select to change the setting for when vehicle accelerates until the set vehicle speed is reached.

• “Speed Setting”

Select to change the set vehicle speed adjustment increment.

• “Guide message”

Select to enable/disable the guide message display.

• “Curve Speed Reduction”

Select to change the curve speed reduction function setting. (→P.346)

● PBD (Power Back Door) (if equipped) (→P.179)

Select to set up the following items.

• System settings

Select to enable/disable the power back door system.

• “Hands Free”*

Select to enable/disable the Hands Free Power Back Door.

• “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 Hands Free Power Back Door.

● “TPWS setting” (Tire Pressure Warning System) (→P.603)

• “Tyre Set Switching”

Select to register the tire pressure warning system sensor ID code set. (→P.609)

• “Tyre Rotation”

Select to register the position of each wheel after performing a tire rotation. (→P.605)

• “Tyre Pressure Setting”

Select to perform the tire inflation pressure setting procedure of the tire pressure warning system. (→P.607)

• “Pressure unit setting”

Select to change the units of measure displayed.

● Oil Maintenance (if equipped)

Select to reset the Oil maintenance. (→P.586)

● My Settings (→P.231)

• Setting

Select to change the settings for My Settings system.

• My Settings on/off

Select to enable/disable the My Settings system.

● Rear Seat Reminder (→P.176)

Select to enable/disable the rear seat reminder function.

Settings

● Language

Select to change the language on the multi-information display.

● Units

Select to change the unit of measure for fuel consumption.

● Meter Type

Select to change the meter type setting.

● Meter Style

Select to change the meter style.

● Dial Type

Select to change dial type. (→P.135)

● ECO (Eco Driving Indicator Light) (→P.153)

Select to activate/deactivate the Eco Driving Indicator Light.

● Fuel Economy

Select to change the display on Fuel Economy. (→P.153)

● Drive Info

Select to change displayed items on drive information display. (→P.154)

● Trip Info

Select to change displayed items on trip information display. (→P.154)

● Pop-Up Display (if equipped)

Select to enable/disable the pop-up displays, which may appear in some situations.

● Default Settings

Select to reset the meter display settings.

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.
- Settings for functions not equipped to the vehicle are not displayed.
- When a function is turned off, the related settings for that function are not selectable.

WARNING

Cautions during setting up the display

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

NOTICE

During setting up the display

To prevent battery discharge, ensure that the engine is running 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.646)

(→P.700)

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 engine switch has been turned off, a suggestion message will 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”.

■ Suggestion to close the power windows (Driving at high speeds)

If the vehicle speed exceeds a certain speed 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

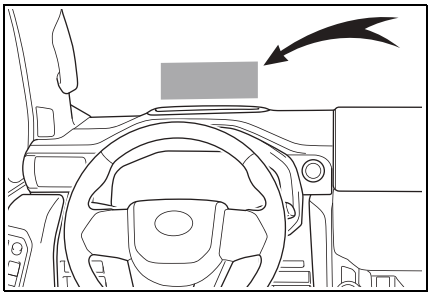
Some functions can be customized.

Head-up display*

*: If equipped

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

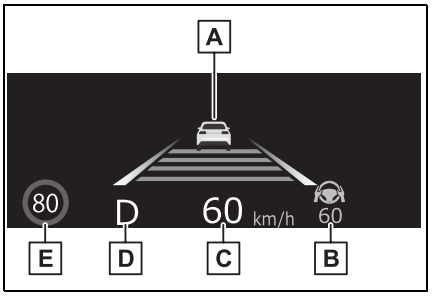
System components



The meter display type setting of head-up display can be changed. (→P.157)

The content displayed will differ according to the driving conditions and display mode of the head-up display. Depending on the situation, pop-up displays will also be displayed.

■ **Full**



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 Driving support system display area (if equipped) (→P.164)/Navigation system-linked display area (if equipped) Tachometer display area (→P.165)

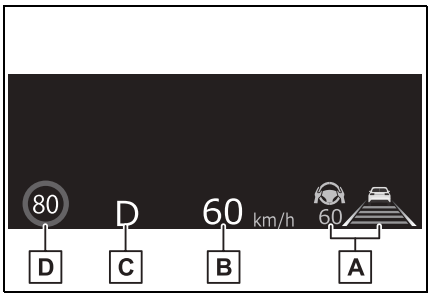
B Driving support system display area (if equipped) (→P.164)

C Speedometer

D Shift position/shift range (→P.270)

E RSA (Road Sign Assist) display (if equipped) (→P.335)

■ **Standard**



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

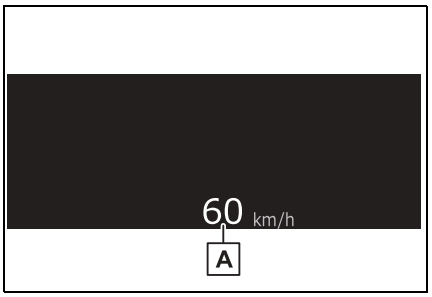
A Driving support system display area (if equipped) (→P.164)

B Speedometer

C Shift position/shift range (→P.270)

D RSA (Road Sign Assist) display (if equipped) (→P.335)

■ **Minimum**



A Speedometer

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

The engine switch is in ON.

■ **When using the head-up display**

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

■ **Street name display (if equipped)**

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

WARNING

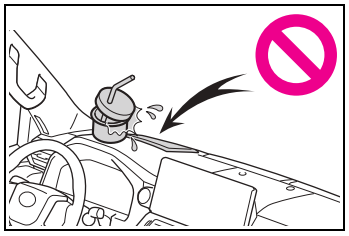
■ **When using the head-up display**

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

NOTICE

■ **Head-up display projector**

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



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

Using the head-up display

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

The following settings can be changed on ⚙ of the multi-information display. (→P.157)

- Enabling/disabling the head-up display

Select to enabling/disabling the head-up display.

- Head-up display type

Select to change head-up display type. (→P.162)

- Brightness and vertical position of the head-up display

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

- Display angle

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

Enabling/disabling of the head-up display

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

Display brightness

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

Head-up display automatic position adjustment (if equipped)

If the display position is recorded into memory, the head-up display will be automatically adjusted to the desired position. (→P.226)

When the battery is disconnected

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

WARNING

Caution for changing settings of the head-up display

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

Driving support system display area (if equipped)

Displays the operational status of the following systems:

- LTA (Lane Tracing Assist) (→P.325)
- LDA (Lane Departure Alert) (→P.330)
- Dynamic radar cruise control (→P.339)
- Cruise control (→P.350, 353)

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

Navigation system-linked display area (if equipped)

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

- Street name
- Route guidance to destination
- Compass

Pop-up display

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

necessary.

■ **Driving support systems**

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

- PCS (Pre-Collision System) (if equipped) (→P.312)
- LTA (Lane Tracing Alert) (if equipped) (→P.325)
- LDA (Lane Departure Alert) (if equipped) (→P.330)
- Dynamic radar cruise control (if equipped) (→P.339)
- Cruise control (→P.350, 353)
- PKSB (Parking Support Brake) (if equipped) (→P.397)
- Brake Override System (→P.240)
- Drive-Start Control (DSC) (→P.245)

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

■ **Warning message**

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

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

■ **Hands-free system status (if equipped)**

Displayed when the hands-free system is operated.

■ **When a pop-up display is displayed**

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

Tachometer display area

■ **Tachometer**

Displays the engine speed in revolutions per minute.

■ **Eco Driving Indicator**

Suggests the Zone of Eco driving with current Eco driving ratio based on acceleration. For details, refer to P.153.

■ **Head-up display is displayed when**

The engine switch is in ON.

■ **Tachometer is displayed when**

Tachometer is displayed when all of the following conditions are met:

- When LTA (Lane Tracing Assist), LDA (Lane Departure Alert) and dynamic radar cruise control is turned off.
- Full mode (→P.165) is selected as head-up display type.
- When other than Eco drive mode is selected.

■ **Eco Driving Indicator is displayed when**

- When LTA (Lane Tracing Assist), LDA (Lane Departure Alert) and dynamic radar cruise control is turned off.
- Full mode (→P.165) is selected as head-up display type.
- When Eco drive mode is selected.

Fuel consumption information*

*: If equipped

The fuel consumption information can be displayed on the multimedia display.

Display procedure

Press on the main menu, then press “Trip information” on the sub menu.

For detail regarding the multimedia display, refer to “Multimedia Owner’s Manual”.

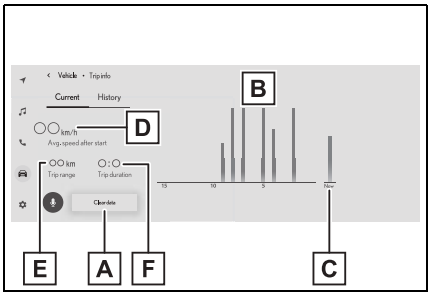
■ Current fuel consumption screen

If a screen other than current fuel consumption screen is displayed, press “Current”.

Use the displayed average fuel consumption as a reference.

Some screens may vary depending on the type of multi-media display.

The image is an example 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 Average vehicle speed since the engine was started.

E Trip range

F Elapsed time since the engine was started.

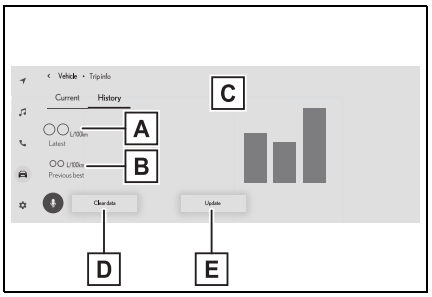
■ History screen

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

Use the displayed average fuel consumption as a reference.

Some screens may vary depending on the type of multi-media display.

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



A Latest fuel consumption

B Best recorded fuel consumption

C Previous fuel consumption record

D Resetting the history data

E Updating the latest fuel consumption data

■ **Updating the history data**

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

■ **Resetting the data**

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

■ **Trip range**

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

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

3-1. Key information

Keys.....170

3-2. Opening, closing and locking the doors

Side doors 174

Back door 179

Smart entry & start system 196

3-3. Adjusting the seats

Front seats.....201

Rear seats 202

Head restraints 211

3-4. Adjusting the steering wheel and mirrors

Steering wheel.....214

Inside rear view mirror 216

Outside rear view mirrors .217

3-5. Opening, closing the windows and moon roof

Power windows.....220

Moon roof 223

3-6. Favorite settings

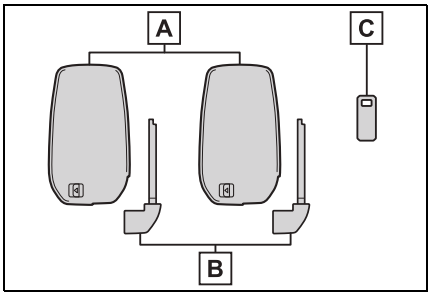
Driving position memory ...226

My Settings.....231

Keys

Key types

The following keys are provided with the vehicle.



A Electronic keys

- Operating the smart entry & start system (→P.196)
- Operating the wireless remote control function (→P.171)

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.

■ 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 engine stops.
- 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.197)
- 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.
- You can replace the battery by yourself (→P.616). However, as there is a danger that the electronic key may be damaged, it is recommended that replacement is carried out by your Toyota dealer.
- 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
  - Recharging cellular phones or cordless phones
  - Table lamps
  - Induction cookers
- If the electronic key is near the vehicle for longer than necessary, even if the smart entry & start system is not used, the key battery may become depleted faster than normal. When not using the smart entry & start system, it is recommended not to stay with the electronic key near the vehicle longer than necessary.

■ If a message regarding the state of the electronic key or engine switch mode, etc. is shown

To prevent trapping the electronic key inside the vehicle, leaving the vehicle carrying the electronic key on your person without turning the engine switch to OFF or other passengers from unintentionally taking the key out of the vehicle,

etc., a message that prompts the user to confirm the state of the electronic key or engine switch mode may be shown on the multi-information display. In those cases, follow the instructions on the display immediately.

■ If "Key Battery Low Replace Key Battery" is displayed on the multi-information display

The electronic key has a low battery. Replace the electronic key battery. (→P.616)

■ Replacing the key battery

→P.616

■ Confirmation of the registered key number

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

■ 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 registered.

⚠ NOTICE

■ To prevent key damage

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

■ Carrying the electronic key on your person

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

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

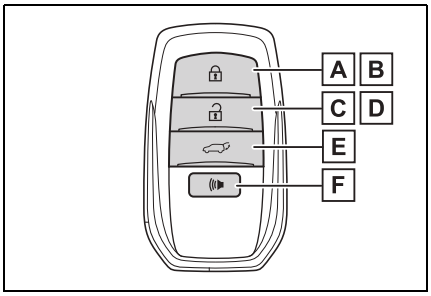
→P.666

■ When an electronic key is lost

→P.665

Wireless remote control

The keys are equipped with the following wireless remote control:



A Locks the doors (→P.174)

B Closes the windows and the moon roof*1, 2 (→P.174)

C Unlocks the doors (→P.174)

D Opens the windows and the moon roof*1, 2 (→P.174)

E Opens and closes the power back door*2 (→P.182)

F Sounds the alarm*2 (→P.172)

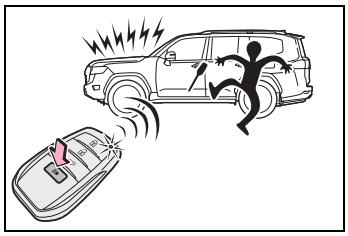
*1: These settings must be customized at your Toyota dealer.

*2: If equipped

■ Panic mode (if equipped)

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

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

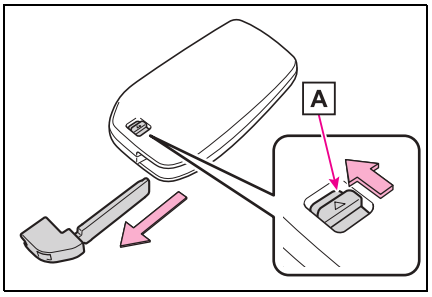


Using the mechanical key

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

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

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key. (→P.665)



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

▶ Vehicles with fingerprint authentication system

Lock the glove box (→P.533) as necessary. Remove the mechanical key and hand over the electronic key only. To start the engine when the fingerprint authentication system is on, touch the key to the engine switch while depressing the brake pedal, and then press the engine switch. (→P.666)

▶ Vehicles without fingerprint authentication system

Lock the glove box as circumstances

demand. (→P.533)
Remove the mechanical key for your own use and provide the attendant with the electronic key only.

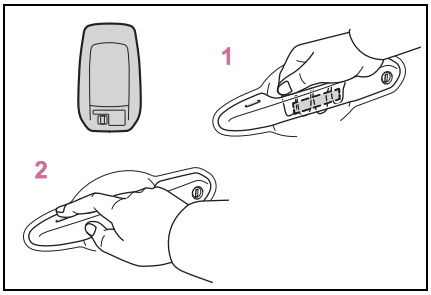
■ **If you lose your keys**
→P.665

Side doors

Unlocking and locking the doors from the outside

■ Using the entry function

Carry the electronic key to enable this function.



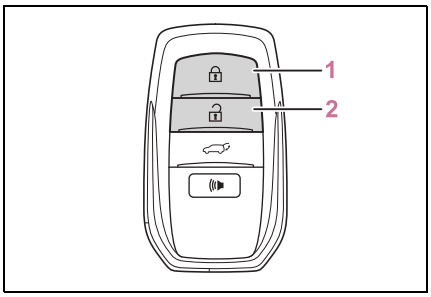
1 Grip the door handle to unlock the doors.

Make sure to touch the sensor on the back of the handle.
The doors cannot be unlocked for 3 seconds after the doors are locked.

2 Touch the lock sensor (the indentation on the upper part or lower part of the handle) to lock the doors.

Check that the door is securely locked.

■ Using the wireless remote control



1 Locks all the doors

Check that the door is securely locked.

On some models: Press and hold to close the windows and moon roof (if equipped). *

2 Unlocks all the doors

On some models: Press and hold to open the windows and moon roof (if equipped). *

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

■ Switching the door unlock function

It is possible to set which doors the entry function unlocks using the wireless remote control. Perform the switching operation in the vehicle or within approximately 1 m (3.2 ft.) of the vehicle.

1 Turn the engine switch off.

2 For vehicles with an intrusion sensor: Cancel the intrusion sensor and tilt sensor of the alarm system to prevent unintended triggering of the alarm while changing the settings. (→P.114)

3 When the indicator light on the key surface is not on, press and hold , or (if equipped) for approximately 5 seconds while pressing and holding .

The setting changes each time an operation is performed, as shown below. (When changing the setting continuously, release the buttons, wait for at least 5 seconds, and repeat step **3**.)

Multi-information display/Beep	Unlocking function
 *1  *2 (Left-hand drive vehicles)  *1  *2 (Right-hand drive vehicles) Exterior: Beeps 3 times	Holding the driver's door handle unlocks only the driver's door. Holding a passenger's door handle unlocks all the doors.
 *1  *2 Exterior: Beeps twice	Holding a door handle unlocks all the doors.

*1: Vehicles with 7-inch display

*2: Vehicles with 12.3-inch display

For vehicles with 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.112)

Impact detection door lock release system (if equipped)

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

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

Windows and moon roof (if equipped): A buzzer sounds to indicate that the windows and moon roof are operating.

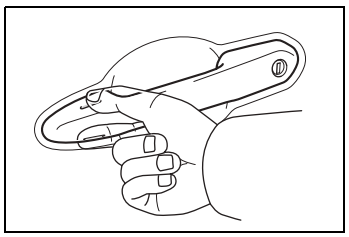
Security feature

If a door is not opened within approximately 30 seconds after the vehicle is unlocked, the security feature automatically locks the vehicle again. (However, depending on the location of the electronic key, the key may be detected as being in the vehicle. In this case, vehicle may be unlocked.)

When the door cannot be locked by the lock sensor on the upper part of the 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

A buzzer sounds continuously for 5 seconds in the following situations. Fully close all the doors and lock the vehicle once more.

- If an attempt to lock the doors using the smart entry & start system is made when a door other than the door you are locking is open.
- If an attempt to lock the doors using the wireless remote control is made when a door is open.

■ Setting the alarm (if equipped)

Locking the doors will set the alarm system. (→P.112)

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

→P.197

■ 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.666)
- Replace the battery with a new one if it is depleted. (→P.616)

■ If the 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.666)

■ Rear seat reminder function

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

Also, as the second reminder, when the doors are locked, a buzzer will sound and the emergency flashers will flash for a few seconds, and a message will be displayed on the multi-information display.

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

The second reminder will not be activated if a rear door was opened before the doors are locked.

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

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

■ Customization

Settings (e.g. unlocking function using a key) can be changed.
(Customizable features: →P.705)

⚠ 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 and front passenger's door (for some models only), as the doors 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 second seat.

WARNING

■ 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.

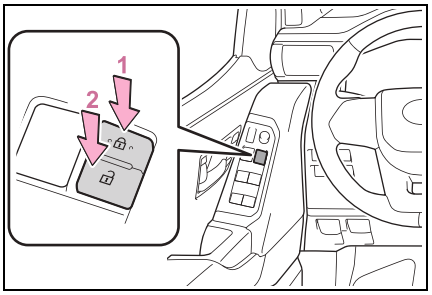
■ When using the wireless remote control and operating the power windows or moon roof*

*: If equipped

Operate the power 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 wireless remote control. It is possible for children and other passengers to get caught in the power window or moon roof.

Unlocking and locking the doors from the inside

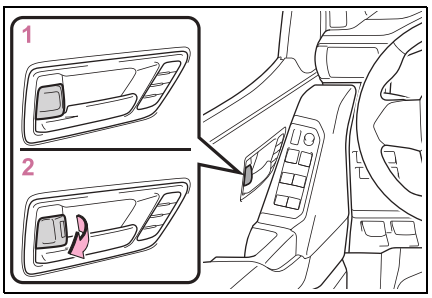
■ Using the door lock switches



1 Locks all the doors

2 Unlocks all the doors

■ Using the inside lock buttons



1 Locks the door

2 Unlocks the door

The driver's door and front passenger's door (for some models only) can be opened by pulling the inside door 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 engine switch is in ACC or ON, or the electronic key is left inside the vehicle.

However, the key may not be detected correctly and the door may be locked.

■ If a symbol indicating one or more doors are open is shown on the multi-information display

The hood or one or more of the doors are not fully closed. The system also indicates which doors are not fully closed. If the vehicle reaches a speed of 5 km/h (3 mph), a buzzer sounds to indicate that the door(s) are not yet fully closed. Make sure that the hood and all the doors are closed.

■ When all the doors are locked with the entry function or wireless remote control

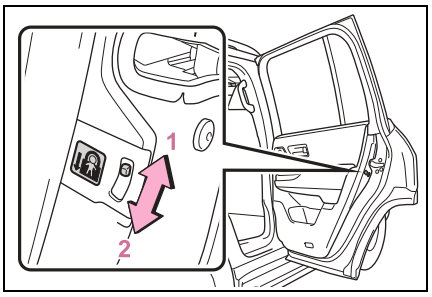
● The doors cannot be unlocked with

the door lock switch.

- The door lock switch can be reset by unlocking all the doors with the entry function or wireless remote control.

Rear door child-protector lock

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



1 Unlock

2 Lock

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

Automatic door locking and unlocking systems (if equipped)

The following functions can be set or canceled:

For instructions on customizing, refer to P.705.

Function	Operation
Speed linked door locking function	All doors are locked when the vehicle speed is approximately 20 km/h (12 mph) or higher.
Shift position linked door locking function	Shifting the shift lever out of P locks all the doors.
Shift position linked door unlocking function	Shifting the shift lever to P unlocks all the doors.
Driver's door linked door unlocking function	All the doors are unlocked when the driver's door is opened within approximately 45 seconds after turning the engine switch off.

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

- Make sure that the back door is fully closed.
  If the back door is not fully closed, it may open unexpectedly while driving and hit near-by objects or luggage in the luggage compartment may be thrown out, causing an accident.
- Do not allow children to play in the luggage compartment.
  If a child is accidentally locked in the luggage compartment, they could get 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 operate unexpectedly, or cause the child's hands, head, or neck to be caught by the closing back door.

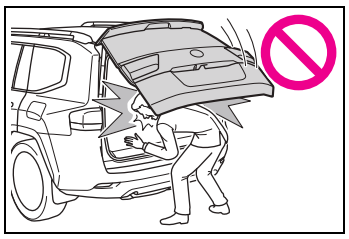
■ Important points while driving

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

■ 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.

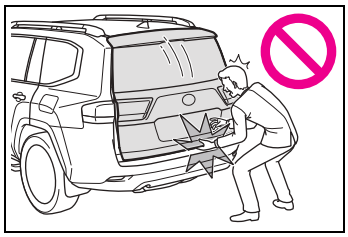
- Remove any heavy loads, such as snow and ice, from the back door before opening it. Failure to do so may cause the back door to suddenly shut again after it is opened.
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, 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 power back door: The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.



- Vehicles with power back door: The back door may suddenly shut if it is not opened fully, while on a steep incline. Make sure that the back door is secured before using the luggage compartment.

WARNING

- When closing the back door, take extra care to prevent your fingers etc. from being caught.

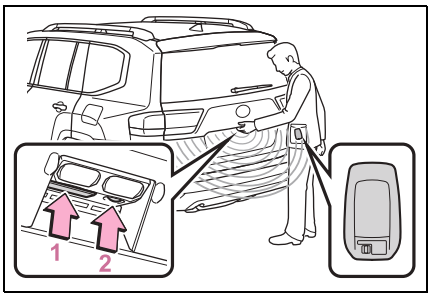


- Vehicles without power back door: When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.
- Do not pull on the back door damper stay (vehicles without power back door) (→P.182) or back door spindle (vehicles with power back door) (→P.193) to close the back door, and do not hang on the back door damper stay (vehicles without power back door) or back door spindle (vehicles with power back door).
  Doing so may cause hands to be caught or the back door damper stay (vehicles without power back door) or back door spindle (vehicles with power back door) to break, causing an accident.
- If a bicycle carrier or similar heavy object is attached to the back door, it may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Toyota part is recommended.

Unlocking and locking the back door from the outside

■ Using the entry function

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.

■ Using the wireless remote control

→P.171

■ Operation signals

→P.175

■ Security feature

→P.175

Unlocking and locking the back door from the inside

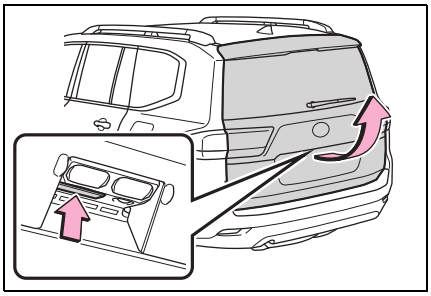
■ Using the door lock switches

→P.177

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

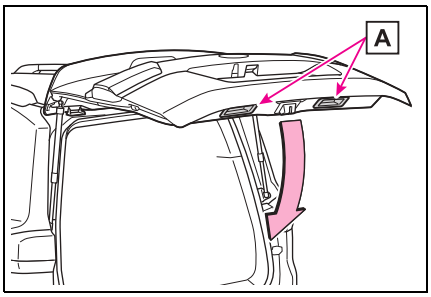
Open

Raise the back door while pressing up the back door opener to release the lock to open the back door.



Close

Lower the back door using the back door handle A , and make sure to push the back door down from the outside to close it.



Luggage compartment light

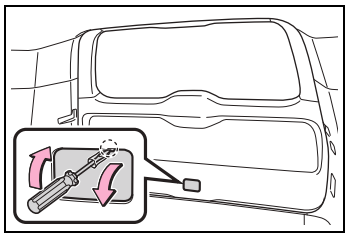
- The luggage compartment light turns on when the back door is opened.
- When the engine switch is turned to OFF, the light will go off automatically after 20 minutes.

If the back door opener is inoperative

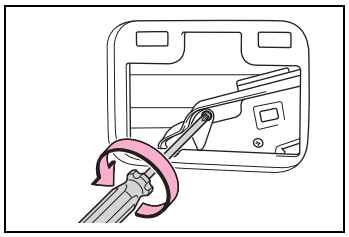
The back door can be unlocked from the inside.

1 Remove the cover.

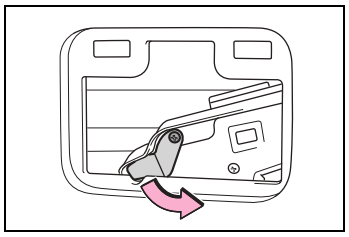
To prevent damage, cover the tip of the screwdriver with a rag.



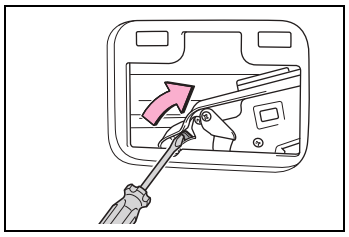
2 Loosen the screw.



3 Turn the cover.



4 Move the lever.

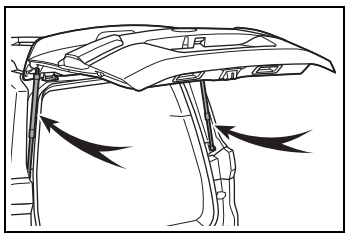


5 When installing, reverse the steps listed.

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.

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

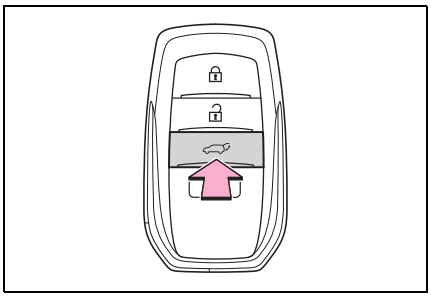
■ Using the wireless remote control

Press and hold the switch.

The power back door automatically opens/closes.

Unlock the back door before operating.

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



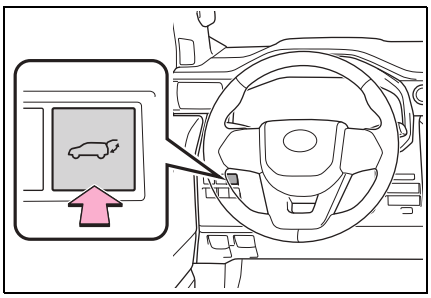
■ Using the power back door switch on the instrument panel

Press and hold the switch.

The power back door automatically opens/closes.

Unlock the back door before operating.

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



■ Using the switches on the back door

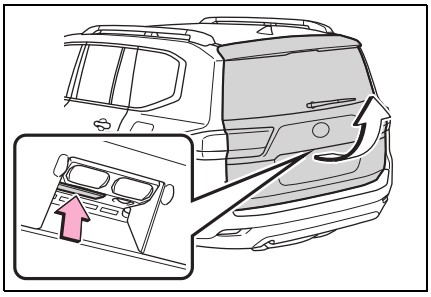
- Open

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

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

The power back door automatically opens.

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

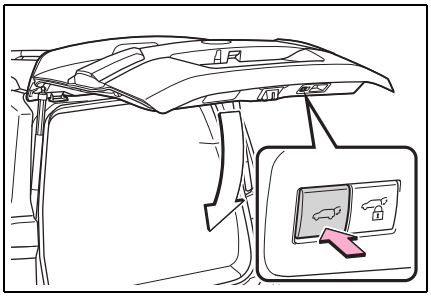


● Close

Press the switch on the lower part of the back door.

The power back door automatically closes.

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

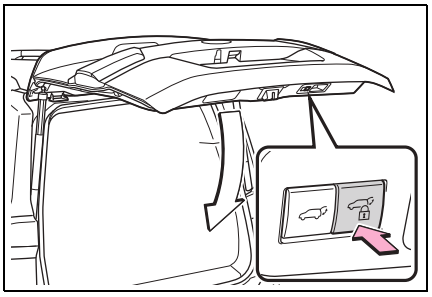


● Close the back door and lock all doors (close & lock function)

Close all of the doors except the back door, carrying an electronic key and press the switch on the lower part of the back door.

A different buzzer than the normal one will sound and the back door will begin closing automatically. All the doors except the back door are locked and then back door will also be locked at the same time it is closed. Operation signals will indicate that all the doors have been closed and locked.

Pressing the switch while the back door is operating will stop the operation. When the switch is pressed again during the halted operation, the back door will be closed.



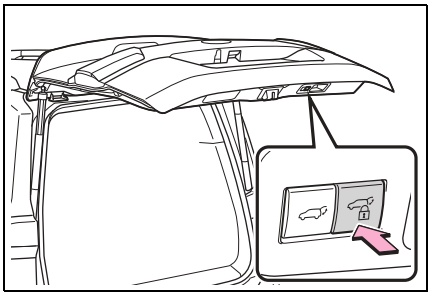
● Close the back door and lock all doors after moving away from the back door (close & lock [Walk-Away] function)*

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

1 Close all of the doors except the back door, carrying an electronic key and press the

switch on the lower part of the back door.

A different buzzer than the normal one will sound and the close & lock (Walk-Away) function will go into standby.



2 While the buzzer is sounding, move away from the back door.

When the sensor detects that you are away from the back door, the buzzer will sound and the emergency flashers (if equipped) will flash. Depending on the direction of moving away from the back door, the location and how to hold the electronic key or circumstances, it may not be detected properly.

All the doors other than the back door will be locked, and after the back door is closed, the back door will also be locked. When all the doors have been closed and locked, the buzzer (if equipped) will sound and the emergency flashers will flash.

The standby state is canceled if you do not move away from the back door for 30 seconds. To operate the function again, perform the procedure again from the beginning.

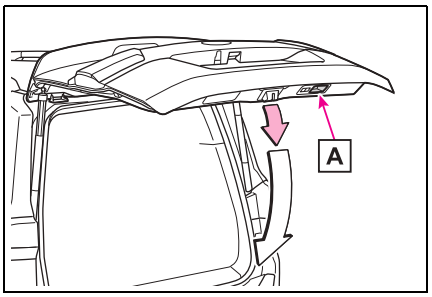
If you approach the back door carrying the electronic key, the back door operation will stop, all the doors will be unlocked, and the buzzer (if equipped) will sound and the emergency flashers will flash.

If the switch is pressed after the back door operation has stopped, the close & lock (Walk-Away) function will go into standby again.

■ Using the back door handle

Lower the back door using the back door handle A .

The back door closing assist (→P.187) will be activated, and the power back door will fully close automatically.

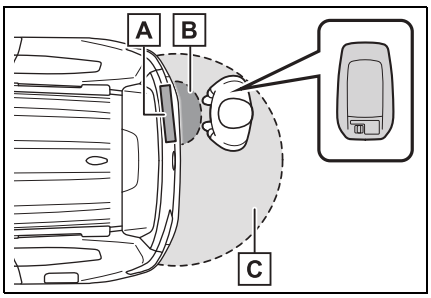


■ Using the kick sensor (vehicles with Hands Free Power Back Door)

The Hands Free Power Back Door enables automatic opening and closing of the power back door by putting your foot near the right lower part of the rear bumper and moving it away from the rear bumper. When operating the Hands Free Power Back Door, make sure that the engine switch is in OFF, the Hands Free Power Back Door operation is enabled and you are carrying an electronic key.

1 While carrying an electronic key, stand within the smart entry & start system operation range, approximately 30 to 50 cm (11.8

to 19.7 in.) from the rear bumper.



A Kick sensor

B Hands Free Power Back Door operation detection area

C Smart entry & start system operation detection area (→P.196)

2 Perform a kick operation by moving your foot to within approximately 10 cm (3.9 in.) of the rear bumper, and then pulling your foot back after the buzzer sounds.

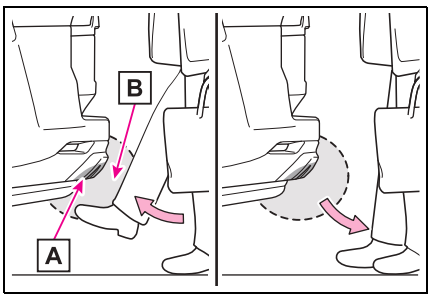
Perform the entire kick operation within 1 second.

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

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

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

If the buzzer sounds twice, perform a kick operation again.



A Kick sensor

B Hands Free Power Back Door operation detection area

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

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

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

■ Closing and locking the back door after moving away from the back door using the kick sensor (Hands Free close & lock [Walk-Away] function) *1, 2

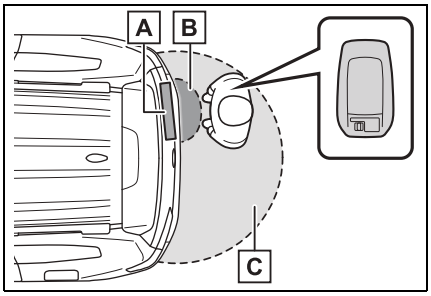
*1: If equipped

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

The Hands Free Power Back Door enables automatic closing and locking of the power back door by putting your foot near the right lower part of the rear bumper, moving it

away from the rear bumper, and moving away from the back door. When operating the Hands Free Power Back Door, make sure that the engine switch is in OFF, the kick sensor operation is enabled and you are carrying an electronic key.

1 While carrying an electronic key, stand within the smart entry & start system operation range, approximately 30 to 50 cm (11.8 to 19.7 in.) from the rear bumper.



A Kick sensor

B Hands Free Power Back Door operation detection area

C Smart entry & start system operation detection area (→P.196)

2 Perform a kick operation by moving your foot to within approximately 10 cm (3.9 in.) of the rear bumper, and then pulling your foot back after the buzzer sounds.

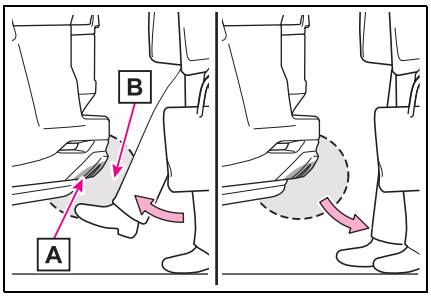
Perform the entire kick operation within 1 second.

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

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

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

If the buzzer sounds twice, perform a kick operation again.



A Kick sensor

B Hands Free Power Back Door operation detection area

3 When the kick sensor detects that your foot is pulled back, a different buzzer than the normal one will sound and the Hands Free close & lock (Walk-Away) function will go into standby.

4 While the buzzer is sounding, move away from the back door.

When the sensor detects that you are away from the back door, the buzzer will sound and the emergency flashers (if equipped) will flash. Depending on the direction of moving away from the back door, the location and how to hold the electronic key or circumstances, it may not be detected properly.

All the doors other than the back door will be locked, and after the back door is closed, the back door will also be locked. When all the doors have been closed and locked, the buzzer (if

equipped) will sound and the emergency flashers will flash.

The standby state is canceled if you do not move away from the back door in 30 seconds. To operate the function again, perform the procedure again from the beginning.

If you approach the back door carrying the electronic key, the back door operation will stop, all the doors will be unlocked, and the buzzer (if equipped) will sound and the emergency flashers will flash.

If the power back door is operated after the back door operation has stopped, the Hands Free close & lock (Walk-Away) function will go into standby again.

■ Luggage compartment light

- The luggage compartment light turns on when the back door is opened.
- When the engine switch is turned to OFF, the light will go off automatically after 20 minutes.

■ Back door closer

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

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

■ Power back door operating conditions

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

- When the power back door system is enabled.
- When the back door is unlocked.

However, if the back door opener switch is pressed and held while carrying the electronic key on your person, the power back door will be operated even if the back door is locked. (→P.182)

- When the engine switch is in ON, the vehicle speed must be lower than 3 km/h (2 mph) and one of the following conditions must be met in addition to the above conditions:

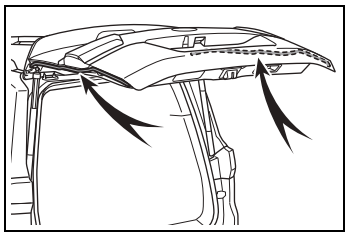
• Parking brake is engaged
• The brake pedal is depressed
• The shift lever is in P.

■ Operation of the power back door

- A buzzer sounds to indicate that the back door is opening/closing.
- When the power back door system is disabled, the power back door does not operate but it can be opened and closed by hand.
- When the power back door automatically opens, if an abnormality due to people or objects is detected, operation will stop.

■ Jam protection function

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



■ Fall-down protection function

While the power back door is opening automatically, applying excessive force to it will stop the opening operation to prevent the power back door from suddenly shutting.

■ Back door closing assist

If the back door is lowered manually when the back door is stopped at an open position, the back door will fully close automatically.

■ Back door reserve lock function

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

open.

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

1 Close all doors, except the back door.

2 During the power back door closing operation, lock the doors using the smart entry & start system (→P.174) or the wireless remote control. (→P.174)

Operation signals will indicate that all the doors have been closed and locked. (→P.175)

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

■ Close & lock function operating conditions

This function can be operated when all of the following conditions are met:

- An electronic key is not detected within the vehicle.
- All of the doors other than the power back door are closed.
- The engine switch is in OFF.

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

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

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

■ Close & lock (Walk-Away) function* operating conditions

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

This function can be operated when all of the following conditions are met:

- Close & lock (Walk-Away) function is enabled.
- An electronic key is not detected within the vehicle.
- All of the doors other than the back door are closed.
- The brake pedal is not depressed.
- The engine switch is in OFF.
- The electronic key is within the effective range (detection areas).

■ Situations in which the close & lock (Walk-Away) function* may not operate properly

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

In the following situations, the function may not operate properly:

- When the smart entry & start system does not operate properly.
- When the close & lock function does not operate properly.
- When moving away from the back door while the close & lock (Walk-Away) function is in the standby state.

- When the number of electronic keys registered in the vehicle increases.

■ Kick sensor operating conditions (vehicles with Hands Free Power Back Door)

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

- The kick sensor operation is enabled
- The engine switch is in OFF, or ON with the shift lever in P.
- The electronic key is within the operational range. (→P.196)
- A foot is put near the right lower part of the rear bumper and moved away from the rear bumper.
  The power back door may also be operated by putting a hand, an elbow, a knee, etc. near the right lower part of the rear bumper and moving it away from the rear bumper. Make sure to put it close enough to the right lower part of the rear bumper.

■ Situations in which the Hands Free Power Back Door may not operate properly (vehicles with Hands Free Power Back Door)

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

- When a foot remains under the rear bumper
- If the rear bumper is strongly hit with a foot or is touched for a while

If the rear bumper has been touched for a while, wait for a short time before attempting to operate the Hands Free Power Back Door again.

- When operated while a person is too close to the rear bumper
- When an external radio wave source interferes with the communication between the electronic key and the vehicle (→P.197)
- When the vehicle is parked near an electrical noise source which affects the sensitivity of the Hands Free Power Back Door, such as a pay parking spot, gas station, electrically heated road, or fluorescent light
- When the vehicle is near a TV tower, electric power plant, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When a large amount of water is applied to the rear bumper, such as when the vehicle is being washed or in heavy rain
- When mud, snow, ice, etc. is attached to the rear bumper
- When the vehicle has been parked for a while near objects that may move and contact the rear bumper, such as plants
- When an accessory is installed to the rear bumper

If an accessory has been installed, turn the Hands Free Power Back Door (kick sensor) operation setting off.

■ Preventing unintentional operation of the Hands Free Power Back Door (vehicles with Hands Free Power Back Door)

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

To prevent unintentional operation, turn the Hands Free Power Back Door (kick sensor) operation setting off.

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

- If the legs or another part of someone's body contacts the rear bumper while passing by the vehicle
- When the vehicle is parked near an electrical noise source which affects the sensitivity of the Hands Free Power Back Door, such as a pay parking spot, gas station, electrically heated road, or fluorescent light
- When the vehicle is near a TV tower, electric power plant, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When the vehicle is parked in a place where objects such as plants are near the rear bumper
- If luggage, etc. is set near the rear bumper
- If accessories or a vehicle cover is installed/removed near the rear bumper
- When the vehicle is being towed

Hands Free close & lock (Walk-Away) function*1 operating conditions

This function can be operated when all of the following conditions are met:

- Hands Free close & lock (Walk-Away) function is enabled*2.
- Hands Free Power Back Door*1 is enabled.
- An electronic key is not detected within the vehicle.
- All of the doors other than the back door are closed.
- The engine switch is in OFF.
- The electronic key is within the effective range (detection areas).

*1: If equipped

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

Situations in which the Hands Free close & lock (Walk-Away) function*1, 2 may not operate properly

In the following situations, the function may not operate properly:

- When the smart entry & start system does not operate properly.
- When the close & lock function does not operate properly.
- When moving away from the back door while the Hands Free close & lock (Walk-Away) function is in the standby state.
- When the number of electronic keys registered in the vehicle increases.
- When the Hands Free Power Back Door does not operate properly.*1

*1: If equipped

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

When reconnecting the battery

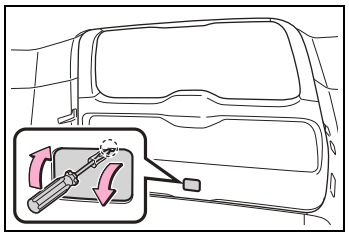
To enable the power back door to operate properly, close the back door manually.

If the back door opener is inoperative

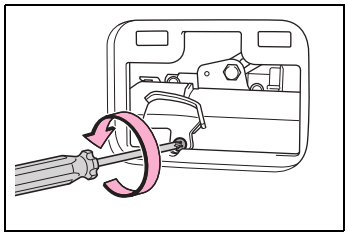
The back door can be unlocked from the inside.

1 Remove the cover.

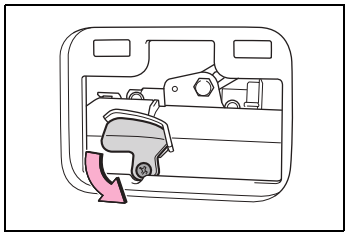
To prevent damage, cover the tip of the screwdriver with a rag.



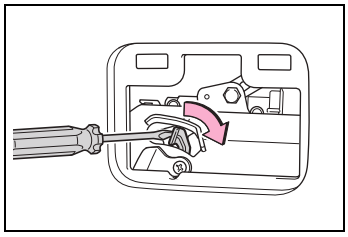
2 Loosen the screw.



3 Turn the cover.



4 Move the lever.



5 When installing, reverse the steps listed.

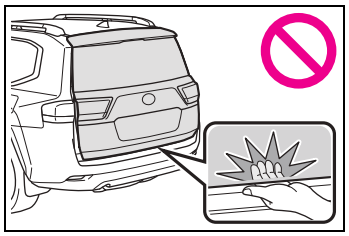
Customization

Settings (e.g. power back door opening angle) can be changed. (Customizable features: →P.707)

WARNING

Back door closer

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



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

Power back door

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

- Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- If the power back door system is turned off while the back door is operating automatically, the automatic operation is stopped. The back door then has to be operated manually. Take extra care when on an incline, as the back door may open or close unexpectedly.

WARNING

- If the operating conditions of the power back door are no longer met, a buzzer may sound and the back door may stop opening or closing. The back door then has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
- On an incline, the back door may suddenly shut after it opens. Make sure the back door is fully open and secure.
- In the following situations, the power back door may detect an abnormality and automatic operation may be stopped. In this case, the back door has to be operated manually. Take extra care when on an incline, as the back door may open or close abruptly.
  - When the back door contacts an obstacle
  - When the battery voltage suddenly drops, such as when the engine switch is turned to ON or the engine is started during automatic operation
- If a bicycle carrier or similar heavy object is attached to the back door, the power back door may not operate, causing itself to malfunction, or the back door may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Toyota part is recommended.

■ Jam protection function

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

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

■ Hands Free Power Back Door (if equipped)

Observe the following precautions when operating the Hands Free Power Back Door.
Failure to do so may cause death or serious injury.

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

■ Close & lock (Walk-Away) function*1 and Hands Free close & lock (Walk-Away) function*1, 2

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

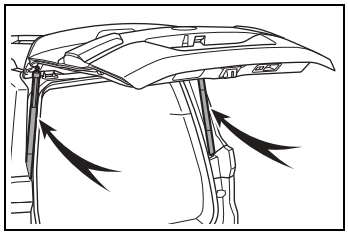
*2: If equipped

The back door starts to close automatically when leaving the back door. 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.

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 damage to the power back door

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

■ Close & lock function

When closing the power back door using the close & lock function, a different buzzer than the normal one will sound before the operation begins.

To check that the operation has started correctly, check that a different buzzer than the normal one has sounded.

Additionally, when the power back door is fully closed and locked, operation signals will indicate that all of the doors have been locked. (→P.175)

Before leaving the vehicle, make sure that the operational signals have operated and that all of the doors are locked.

■ Hands Free Power Back Door precautions (if equipped)

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

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

NOTICE

- Do not park the vehicle near objects that may move and contact the right lower part of the rear bumper, such as grass or trees.
  If the vehicle has been parked for a while near objects that may move and contact the right lower part of the rear bumper, such as grass or trees, the kick sensor may not operate. In this situation, move the vehicle from the current position and then check if the kick sensor operates. If it does not operate, have the vehicle inspected by your Toyota dealer.
- Do not subject the kick sensor or its surrounding area to a strong impact.
  If the kick sensor or its surrounding area has been subjected to a strong impact, the kick sensor may not operate properly. If the kick sensor does not operate in the following situations, have the vehicle inspected by your Toyota dealer.
  - The kick sensor or its surrounding area has been subjected to a strong impact.
  - The right lower part of the rear bumper is scratched or damaged.
- Do not disassemble the rear bumper.
- Do not attach stickers to the rear bumper.
- Do not paint the rear bumper.
- If a bicycle carrier or similar heavy object is attached to the power back door, disable the kick sensor.

Changing settings of the power back door system (vehicles with power back door)

The settings of the power back door system can be changed by displaying the “Vehicle Settings” - “PBD” screen from the ⚙ screen of the multi-information display. (→P.146, 157)

The changed power back door settings are not reset by turning the engine switch to OFF. In order to restore the original settings, they need to be changed back on the ⚙ screen of the multi-information display.

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

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

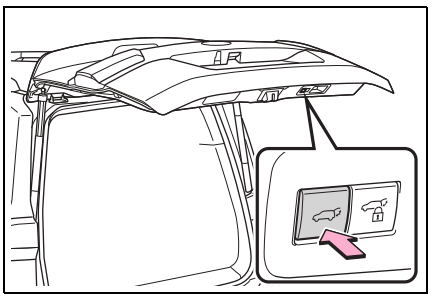
1 Stop the back door in the desirable position. (→P.182)

2 Press and hold the switch on the lower part of the back door for approximately 2 seconds.

When the settings are completed, the buzzer sounds 4 times.

When opening the back door the next time, the back door will stop at that

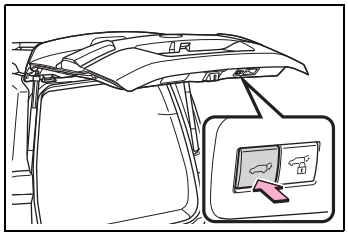
position.



■ Canceling the adjusted open position of the back door

Press and hold the switch on the lower part of the back door for approximately 7 seconds.

After the buzzer sounds 4 times, it sounds twice more. When the power back door does the opening operation the next time, the door will open to the initial settings position.



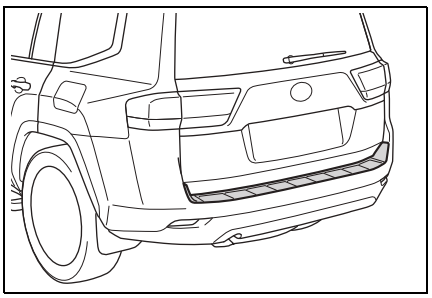
■ Customization

The opening position can be set with the multi-information display. (→P.146, 157)

Priority for the stop position is given to the last position set by either the switch on the lower part of the back door or multi-information display.

Rear step bumper (if equipped)

The rear step bumper is for rear end protection and easier step-up loading.

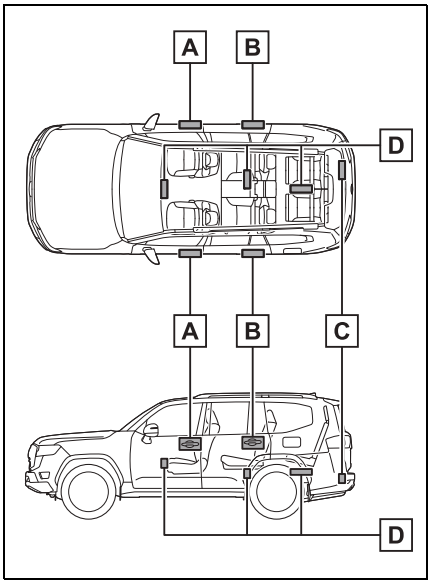


Smart entry & start system

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

- Locks and unlocks the doors (→P.174)
- Locks and unlocks the back door (→P.180)
- Starts the engine (→P.265)

Antenna location



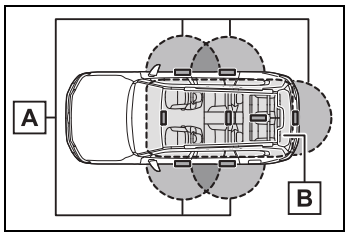
A Antennas outside the cabin (front)

B Antennas outside the cabin (rear) (if equipped)

C Antenna outside the luggage compartment

D Antennas inside the cabin

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 the front door handles, rear door handles (if equipped) and back door opener switch. (Only the doors detecting the key can be operated.)

B When starting the engine or changing engine switch modes

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

If an alarm sounds or a warning message is displayed

An alarm sounds and warning message displays shown on the multi-information display are used to protect against unexpected accidents or theft of the vehicle resulting from erroneous operation. When a warning message is displayed, take appropriate measures based on the displayed message.

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 pings continuously

Situation	Correction procedure
The engine switch was turned to ACC while the driver's door was open (or the driver's door was opened while the engine switch was in ACC).	Turn the engine switch to OFF and 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 battery from being discharged while the vehicle is not in operation for a long time.

● In the following situations, the smart entry & start system may take some time to unlock the doors. Also the illuminated entry system may not operate properly.
- The electronic key has been left near of the vehicle for a certain period of time.
- 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.

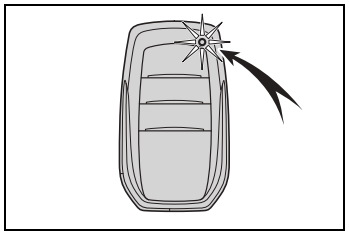
■ Turning an electronic key to battery-saving mode

● 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.



● Electronic keys that will not be used for long periods of time can be set to the battery-saving mode in advance.

■ When electronic key function stops

If the position of the electronic key has not changed for a certain amount of time such as when the electronic key is left somewhere, the function of the electronic key stops to reduce depletion of the battery. In this case, function can automatically be restored by moving the position of the key such as by lifting it up.

■ Conditions affecting operation

The smart entry & start system uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart entry & start system, wireless remote control and engine immobilizer system from operating properly.

● When the electronic key battery is depleted

- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When 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 key (that emits radio waves) is 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.

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.172)

If the engine cannot be started using the smart entry & start system, refer to P.666.

■ 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 cover (if equipped) or floor, or in the door pockets or glove box when the engine is started or engine switch modes are changed.
  - A person is between the vehicle and electronic key, blocking radio waves when the door is unlocked.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to unlock the vehicle.
- Even if the electronic key is not inside the vehicle, it may be possible to start the engine if the electronic key is near the window.
- The doors may unlock if a large amount of water splashes on the door handle, such as in the rain or in a car wash when the electronic key is within the effective range. (The doors will automatically be locked after approximately 30 seconds if the doors are not

opened and closed.)

- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- Touching the door lock sensor while wearing gloves may delay or prevent lock operation. Remove the gloves and touch the lock sensor again.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.
- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In 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.197)
- 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 approach to the effective range or door handle may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.
- If there is another electronic key in the detection area, it may take slightly longer to unlock the doors after the door handle is gripped.

■ 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.706)
- Battery-saving mode can reduce the power consumption of electronic keys. (→P.197)

■ 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

- Locking and unlocking the doors: Use the mechanical key. (→P.666)
- Starting the engine: →P.666

■ Customization

Settings (e.g. smart entry & start system) can be changed.
(Customizable features: →P.706)

If the smart entry & start system has been deactivated in a customized setting, refer to the explanations for the following operations.

- Locking and unlocking the doors: Use the wireless remote control or mechanical key. (→P.174, 666)
- Starting the engine and changing engine switch modes: →P.666
- Stopping the engine: →P.267

WARNING

■ **Caution regarding interference with electronic devices**

- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the smart entry & start system antennas. (→P.196)
  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.
- User of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

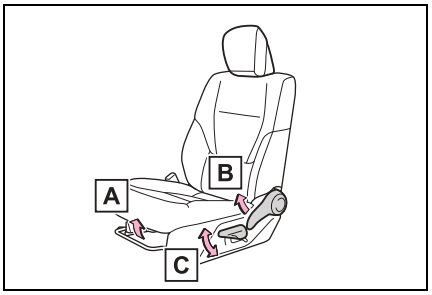
Ask your Toyota dealer for details for disabling the entry function.

Front seats

The seats can be adjusted (longitudinally, vertically, etc.). Adjust the seat to ensure the correct driving posture.

Adjustment procedure

▶ Manual seat

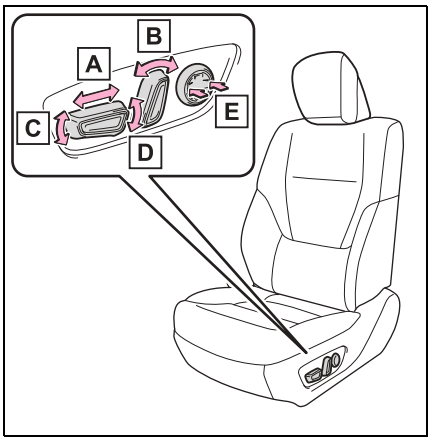


A Seat position adjustment lever

B Seatback angle adjustment lever

C Vertical height adjustment lever (driver's side only)

▶ Power seat



A Seat position control switch

B Seatback angle control switch

C Seat cushion (front) angle control switch

D Vertical height control switch

E Lumbar support control switch (driver's side only)

■ When adjusting the seat

- Make sure that any surrounding passengers or objects are not contact the seat.
- Take care when adjusting the seat so that the head restraint does not touch the ceiling.

■ Power easy access system (vehicles with driving position memory)

The driver's seat and steering wheel move in accordance with engine switch mode and the driver's seat belt condition. (→P.226)

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

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.

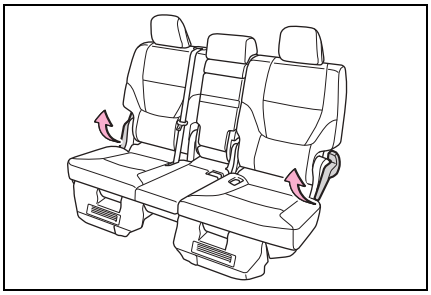
Rear seats

The reclining angle can be adjusted and the seatback can be folded by operating the lever or switch.

Adjustment procedure

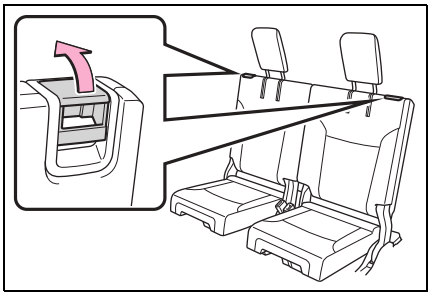
■ Second seat

Pull the lever and adjust the seatback.



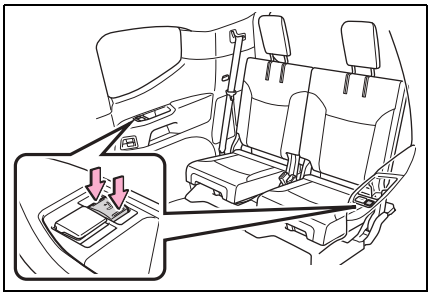
■ Third seat (manual type) (if equipped)

Pull the lever and adjust the seatback.



■ Third seat (power type) (if equipped)

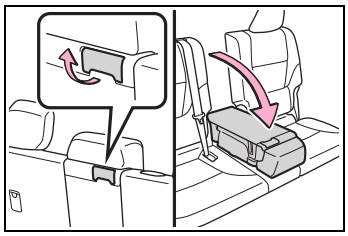
Press the switch and adjust the seatback.



■ Folding down second center seatback (vehicles with armrest)

Pull the center seatback lock release lever behind the seatback and fold it down.

To return the center seatback to its original position, lift it up until it locks.



WARNING

■ When folding the 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.

■ Adjusting the reclining angle

Do not fold the seatback more than required. During a collision, your body could slip beneath the seat belt resulting in extreme pressure being applied to your abdomen, or the shoulder belt could wrap around your neck, which may result in death or serious injury.

NOTICE

■ When operating the rear seat

- Be careful that your hands and legs do not get caught in moving parts or connection areas.
- Do not arrange seats while they are occupied.

When entering and exiting the third seat (if equipped)

For easy access to the third seat, perform step **1** in “Tumbling the second seats”. (→P.204)

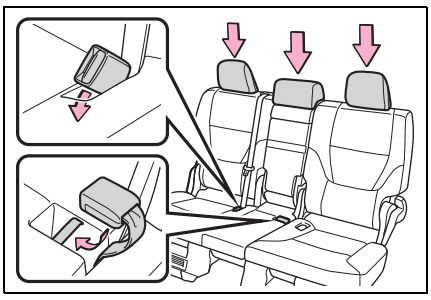
When tumbling the second seats

■ Before tumbling the second seats

1 Stow the seat belt buckles and lower the head restraints to the lowest position.

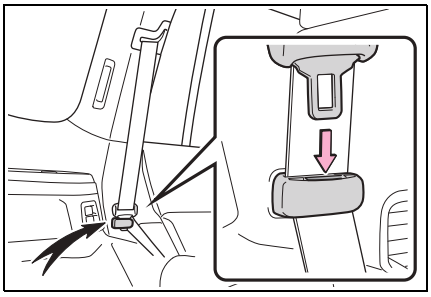
Use the band to secure the center seat

buckle.



2 Pass the outer seat belts through the seat belt hangers and secure the seat belt plates.

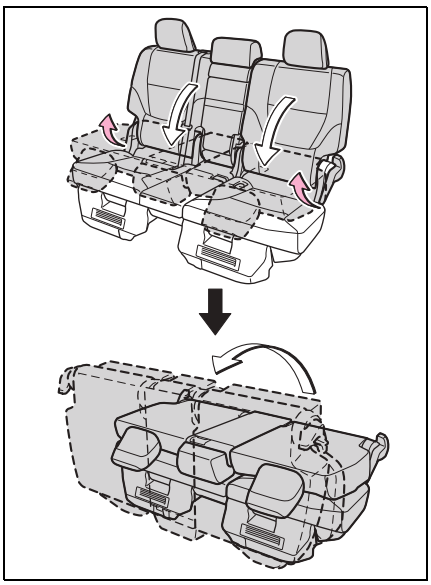
This prevents the shoulder belt from being damage.



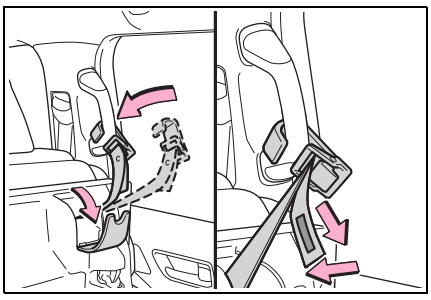
■ Tumbling the second seats

1 Pull the lever.

The seatback is folded forward and the seat springs up.

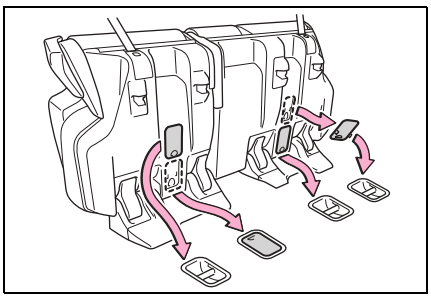


2 Open the cover and then attach the hook to the assist grip to prevent the seat from moving.



3 Remove the seat hook covers from the back of the seat cush-

ion, and install them on the seat hooks.



WARNING

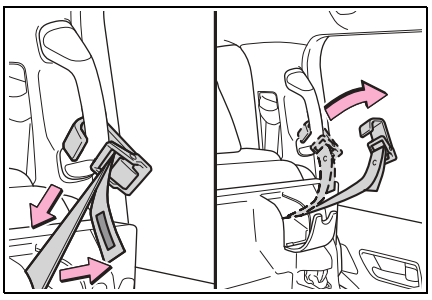
■ When tumbling the second seat

- Do not sit on or place anything on the seatback while driving.
- Be sure to install the seat hook covers on the seat hooks, or you may get burned when they become hot.
- Do not tumble the second seat with any electrical devices left connected to the power outlet (12 VDC) or USB Type-C charging ports (if equipped) on the rear of the center console. The second seat could strike the electrical device and damage it.

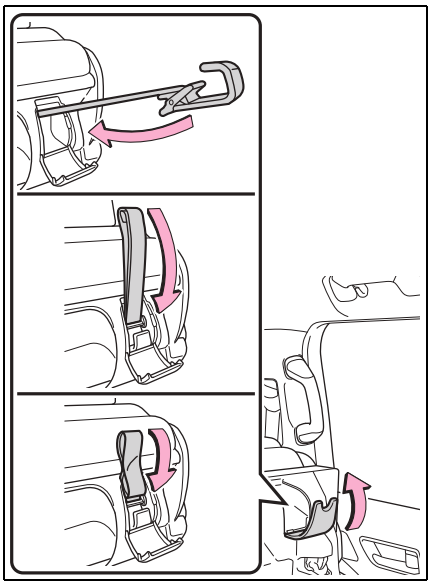
Returning the second seat to its original position

1 Detach the hook from the assist grip.

If detaching from the assist grip is difficult, loosen the belt.

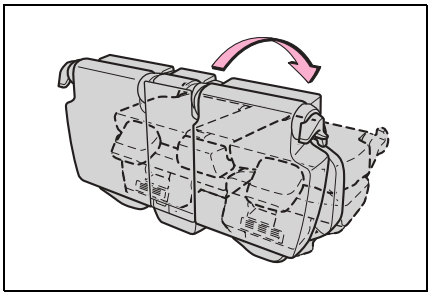


2 Stow the hook and tumble band, and then close the cover.



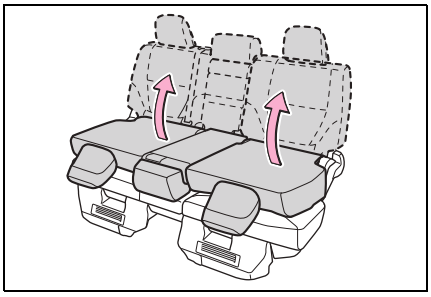
3 Return the seat to its original position.

Push the seat until it is locked.

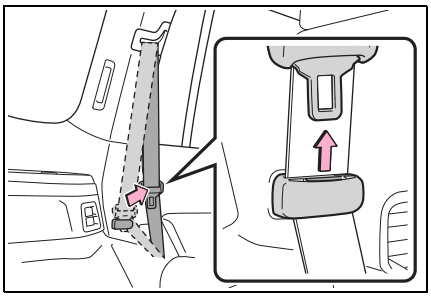


4 Lift the seatback.

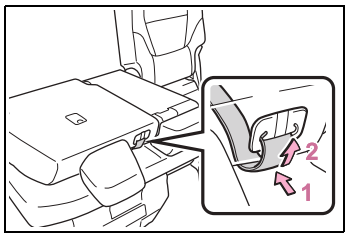
Lift it until it is locked.



5 Remove the seat belt from the seat belt hanger before using the second seat.



■ **If you cannot raise the seatback (vehicles with armrest)**



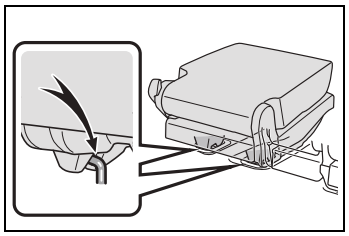
1 Pushing on the lower front edge of the seatback to slacken the seat belt.

2 Let the seat belt retract a little.

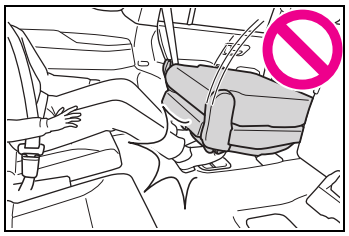
WARNING

■ **When returning the seat to its original position**

- Make sure the seat legs are securely latched to the floor when putting back the seats.



- When returning the second seat to the original position, be careful not to get your hand or foot of the third seat passengers caught between the second seat and the floor.



WARNING

■ After returning the seat to its original position

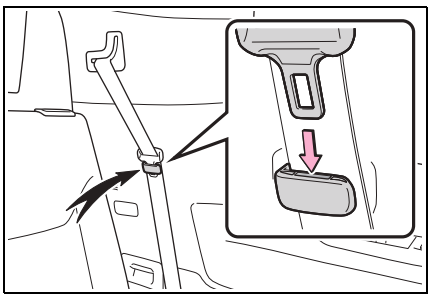
- After returning the seat to its original position, gently shake it to the front and rear and check that it is secure.
- Do not pinch the seat belt.
- Make sure that the seat belt is removed from the hanger as before.

When stowing the third seat (manual type)

■ Before stowing the third seats

1 Pass the seat belts through the seat belt hangers and secure the seat belt plates.

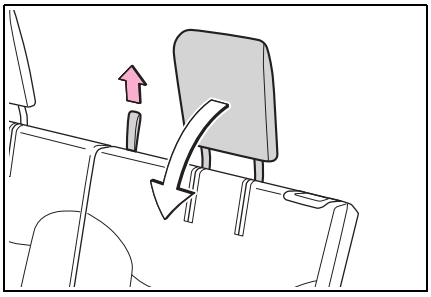
This prevents the shoulder belt from being damage.



2 Adjust the seatback of the second seat so that it does not interfere with the third seat. (→P.202)

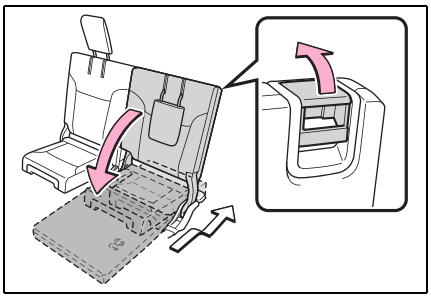
■ Stowing the third seats

1 Pull the strap and fold the head restraint.



2 Pull the lever and fold the seatback.

The seat cushion is stowed into the floor when the seatback is folded.



WARNING

■ When stowing the third seats

Observe the following precautions.

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

- Check that there is no luggage and that there are no other people around the seat before stowing operation.
- Conduct the procedure slowly and carefully.
- Do not insert hands or feet into the moving parts of the seat.
- Do not allow children to operate the seat.

WARNING

- Do not use the seat if only the seat cushion has been stowed.

NOTICE

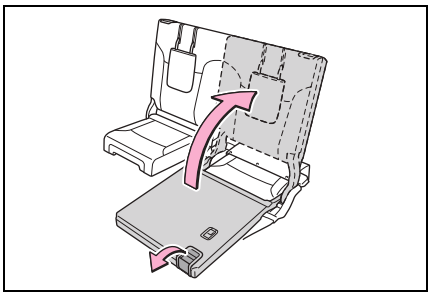
■ When stowing the third seats

If there is a luggage cover attached to the vehicle, remove the luggage cover. (→P.539) The third seat could strike the luggage cover and damage it.

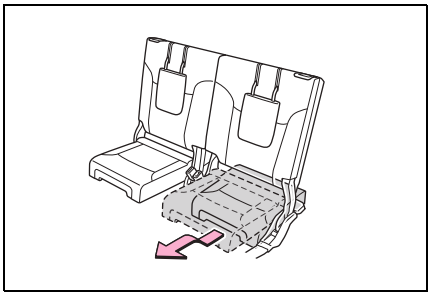
Returning the third seat (manual type) to its original position

1 Pull the lever while lifting the seatback.

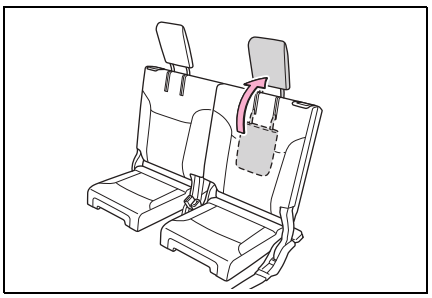
Lift the seatback until it locks.



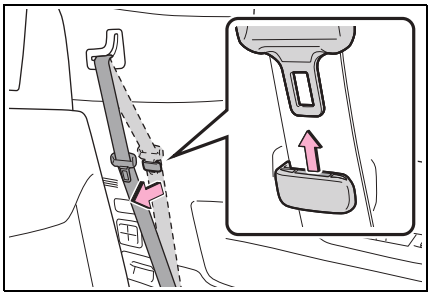
2 Pull the grip and pull out the seat cushion.



3 Lift the head restraint.



4 Remove the seat belt from the seat belt hanger before using the third seat.

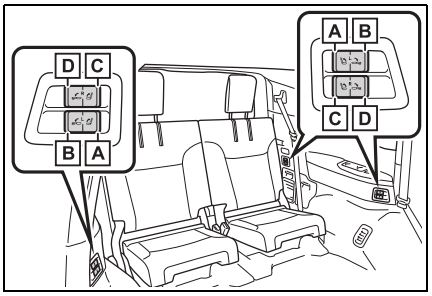


WARNING

■ After returning the seat to its original position

- After returning the seat to its original position, gently shake it to the front and rear and check that it is secure.
- Do not pinch the seat belt.
- Make sure that the seat belt is removed from the hanger as before.

Third power seat control switches (if equipped)



A Left seat return switch

B Left seat stow switch

C Right seat return switch

D Right seat stow switch

Operation can also performed using both the seat and back door switches.

■ The third power seats can be operated when

When the engine switch is off, or ON with the shift lever in P.

■ Switch operation

- Do not release the switch while the third seat is operating. Releasing the switch will cause the seat to stop operating and will sound a (continuous) buzzer. Press the switch again to stop the buzzer.
- If the third seat is close to the second seat or other surrounding parts, third seat movement may be restricted.

■ If the warning buzzer sounds continuously

If a system malfunction occurs, the warning buzzer may continue to sound while the engine switch is on. In this case, perform the following.

1 Press and hold the return switch on the back door.

2 Press the stow switch on the seat 5 times within 10 seconds, and check that the buzzer sounds 3 times.

3 Press and hold the return switch on the seat or back door.

After the seat is stowed, the warning buzzer will stop.

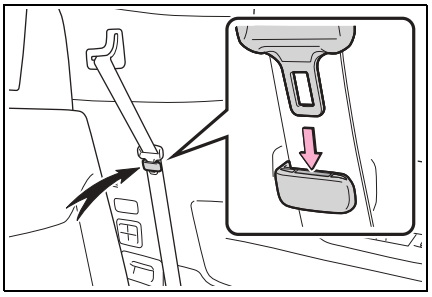
If the malfunction does not disappear even after performing this procedure above, have the vehicle inspected by your Toyota dealer.

When stowing the third seat (power type)

■ Before stowing the third seats

1 Pass the seat belts through the seat belt hangers and secure the seat belt plates.

This prevents the shoulder belt from being damage.



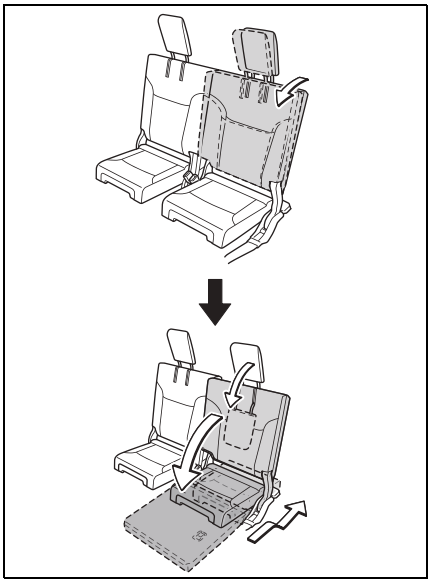
2 Adjust the seatback of the second seat so that it does not interfere with the third seat. (→P.202)

■ Stowing the third seat

Press and hold the stow switch to stow the third seat.

After the buzzer sounds twice, the seatback will be folded down and the head restraint and seat cushion will be automatically stowed in the floor.

When the seat has been stowed, the buzzer will sound twice and operation will be automatically stopped. When the operation has been stopped, release the switch.



WARNING

■ When stowing the third seats

Observe the following precautions.

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

- Check that there is no luggage and that there are no other people around the seat before stowing operation.
- Do not insert hands or feet into the moving parts of the seat.
- Do not allow children to operate the seat.
- Do not use the seat if only the seat cushion has been stowed.

NOTICE

■ When stowing the third seats

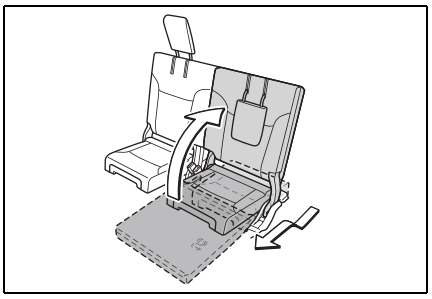
If there is a luggage cover attached to the vehicle, remove the luggage cover. (→P.539) The third seat could strike the luggage cover and damage it.

Returning the third seat (power type) to its original position

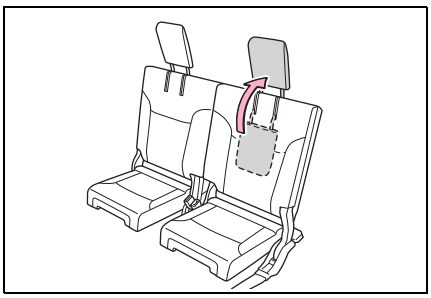
1 Push and hold the return switch to return the third seats.

After the buzzer sounds twice, the seat-back and seat cushion will be started to move. Make sure not to release the switch before the operation has completed.

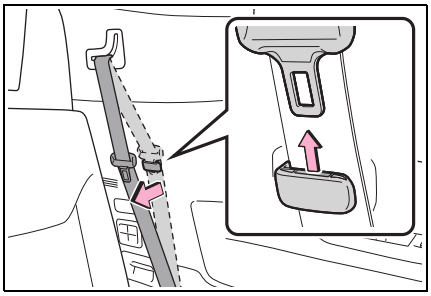
When the seat has been returned, the buzzer will sound twice and operation will be automatically stopped. When the operation has been stopped, release the switch.



2 Lift the head restraint.



3 Remove the seat belt from the seat belt hanger before using the third seat.



WARNING

■ After returning the seat to its original position

- Do not pinch the seat belt.
- Make sure that the seat belt is removed from the hanger as before.
- Lift the head restraint to its original position.

Head restraints

Head restraints are provided for all seats.

WARNING

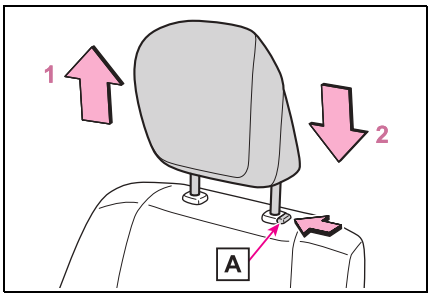
■ Head restraint precautions

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.
- Vehicles with third seat: When sitting on the third seat, make sure that the head restraint is not folded.

Vertical adjustment

■ Front seats and outboard second seats



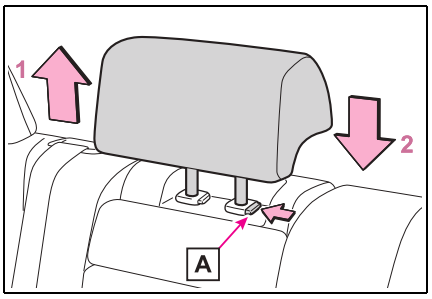
1 Up

2 Down

Push the head restraint down while

pressing the lock release button A .

■ **Second center seat**



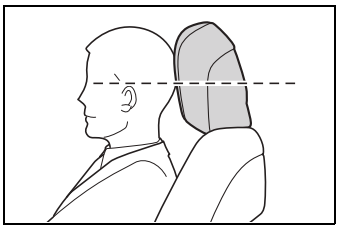
1 Up

2 Down

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

■ **Adjusting the height of the head restraints (front seats and outboard second seats)**

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



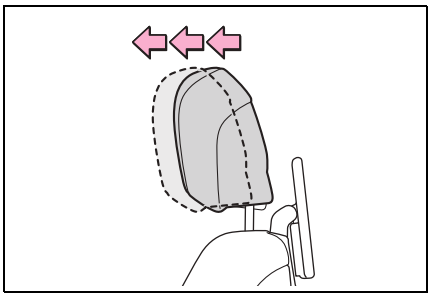
■ **Using the second center seat head restraint**

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

Horizontal adjustment (if equipped)

The position of the head restraint can be adjusted forward in 4 stages.

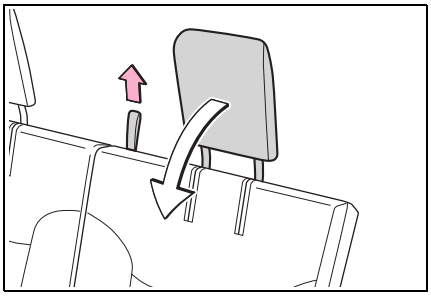
If the head restraint is pulled forward from the foremost position, it will return to the rearmost position.



Folding the head restraint (third seats) (if equipped)

Pull the strap up to fold the head restraint.

To return the head restraint, pull it up.

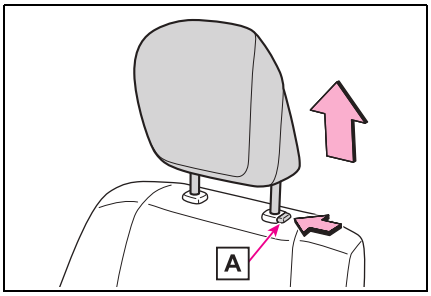


Removing the head restraints

■ **Front seats and outboard second seats**

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

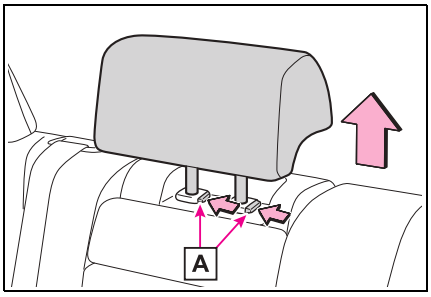
If the head restraint touches the ceiling, making the removal difficult, change the seat height or angle. (→P.201, 202)



■ **Second center seat**

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 angle. (→P.202)



■ **Third seats (if equipped)**

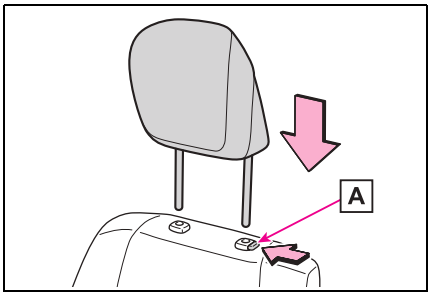
The head restraint cannot be removed.

Installing the head restraints

■ **Front seats and outboard second seats**

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

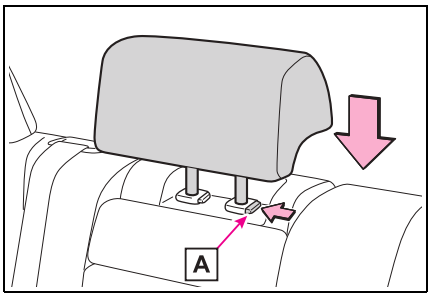
Press and hold the lock release button A when lowering the head restraint.



■ **Second center seat**

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

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

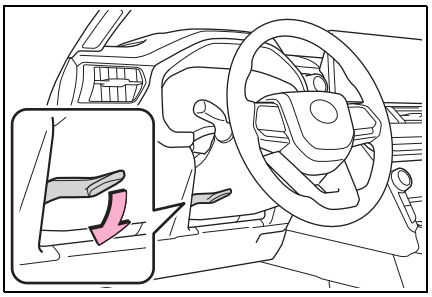


Steering wheel

Adjustment procedure

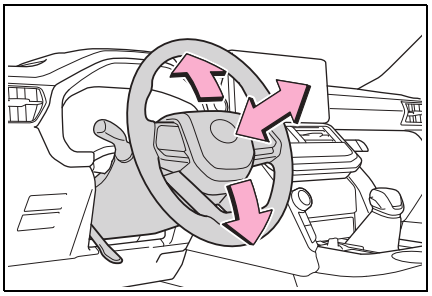
▶ Manual adjustment type

1 Hold the steering wheel and pull the lever down.



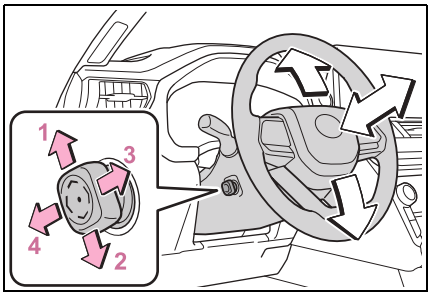
2 Adjust to the ideal position by moving the steering wheel horizontally and vertically.

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



▶ Power adjustment type

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



1 Up

2 Down

3 Toward the driver

4 Away from the driver

■ The power adjustment type steering wheel can be adjusted when

The engine switch is in ACC or ON.

■ Power easy access system (if equipped)

The steering wheel and driver's seat move in accordance with engine switch mode and the driver's seat belt condition. (→P.226)

■ Automatic adjustment of the steering position (power adjustment type)

A desired steering position can be entered to memory and recalled automatically by the driving position memory system. (→P.227)

■ After adjusting the steering wheel (manual adjustment type)

Make sure that the steering wheel is securely locked.

The horn may not sound if the steering wheel is not securely locked.

WARNING

■ Caution while driving

Do not adjust the steering wheel while driving.

Doing so may cause the driver to mishandle the vehicle and cause an accident, resulting in death or serious injury.

■ After adjusting the steering wheel (manual adjustment type)

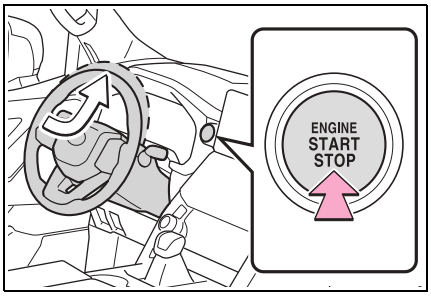
Make sure that the steering wheel is securely locked.

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

Auto tilt away (power adjustment type)

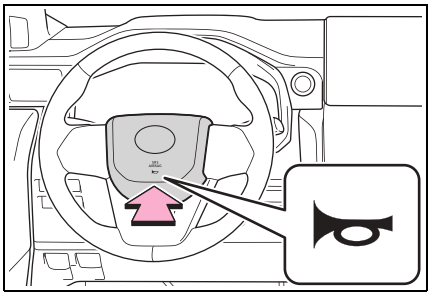
When the engine switch is turned off, the steering wheel returns to its stowed position by moving up and away to enable easier driver entry and exit.

Turning the engine switch to ACC or ON will return the steering wheel to the original position.



Sounding the horn

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



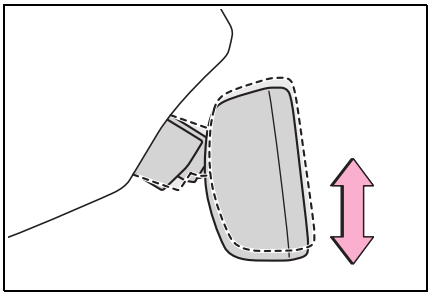
Inside rear view mirror

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

Adjusting the height of rear view mirror

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

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



WARNING

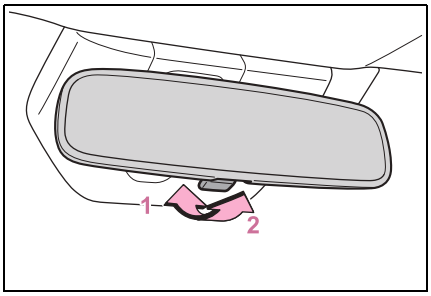
■ Caution while driving

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

Anti-glare function

▶ Manual anti-glare inside rear view mirror

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



1 Normal position

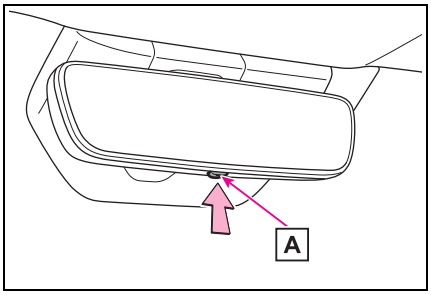
2 Anti-glare position

▶ Auto anti-glare inside rear view mirror

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

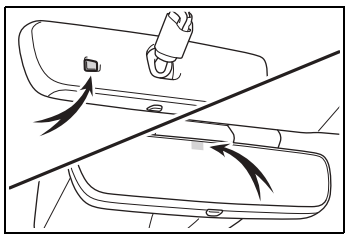
Changing automatic anti-glare function mode ON/OFF

When the automatic anti-glare function is in ON mode, the indicator A illuminates.
The function will be set to ON mode each time the engine switch is turned to ON.
Pressing the button turns the function to OFF mode. (The indicator A also turns off.)



To prevent sensor error (vehicles with 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.

Defogging the mirrors (if equipped)

The outside rear view mirrors can be cleared using the mirror defoggers. Turn on the rear window defogger to turn on the outside rear view mirror defoggers. (→P.513)

Auto anti-glare function (if equipped)

When the anti-glare inside rear view mirror is set to auto mode, the outside rear view mirrors will activate in conjunction with the anti-glare inside rear view mirror to reduce reflected light. (→P.216)

When using the outside rear view mirrors in a cold weather

When it is cold and the outside rear view mirrors are frozen, it may not be possible to fold/extend them or adjust the mirror surface. Remove the ice, snow, etc. covering the outside rear view mirrors.

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.

WARNING

■ **When the mirror defoggers are operating (if equipped)**

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

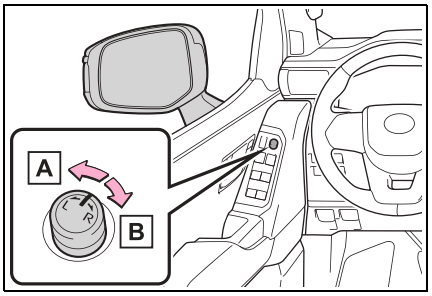
NOTICE

■ **If ice should jam the mirror**

Do not operate the control or scrape the mirror face. Use a spray de-icer to free the mirror.

Adjustment procedure

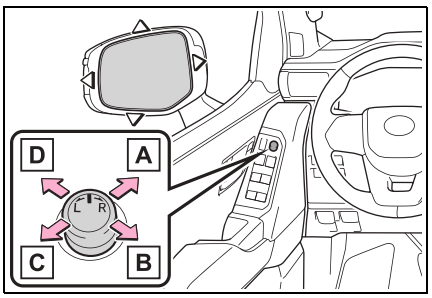
1 To select a mirror to adjust, turn the switch.



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**

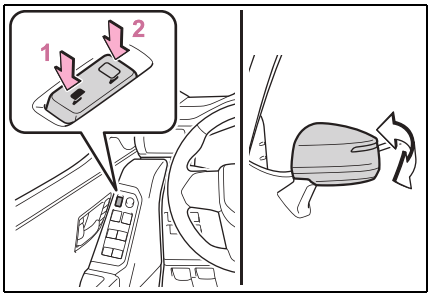
The engine switch is in ACC or ON.

■ **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.227)

Folding and extending the mirrors

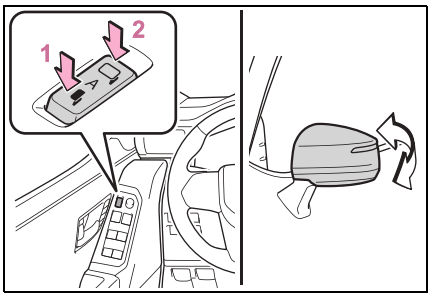
▶ Vehicles without automatic mode



1 Folds the mirrors

2 Extends the mirrors

▶ Vehicles with automatic mode



1 Folds the mirrors

2 Extends the mirrors

Putting the outside rear view mirror folding switch in the neutral position sets the mirrors to automatic mode. Automatic mode allows the folding or extending of the mirrors to be linked to locking/unlocking of the doors.

■ Customization (vehicles with automatic mode)

The automatic mirror folding and extending operation can be changed. (Customizable features: →P.709)

⚠ 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.

Linked mirror function when reversing (if equipped)

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

To disable this function, move the mirror select switch to the neutral position (between L and R).

■ Adjusting the mirror angle when the vehicle is reversing

With the shift lever in R, adjust the mirror angle at a desired position. The adjusted angle will be memorized and the mirror will automatically tilt to the memorized angle whenever the shift lever is shifted to R from next time.

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

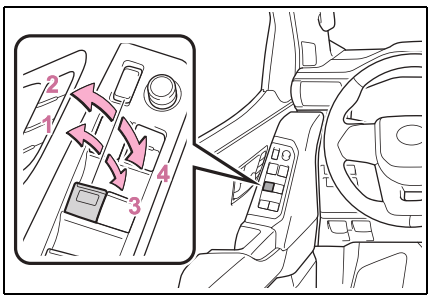
When the normal position is changed, readjust the angle in reversing.

Power windows

Opening and closing the power windows

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

Operating the switch moves the windows as follows:



1 Closing

2 One-touch closing*

3 Opening

4 One-touch opening*

*: To stop the window partway, operate the switch in the opposite direction.

■ The power windows can be operated when

The engine switch is in ON.

■ Operating the power windows after turning the engine off

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

■ Using the voice control system (if equipped)

The power windows can be opened and closed using the voice control system. (It can be performed only when the window lock switch is not pressed.)

For details regarding the voice control system, refer to “Multimedia Owner’s Manual”.

■ 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 side window cannot be opened and closed, perform the following operations with the power window switch of that door.

- Stop the vehicle. With the engine switch in ON, within 4 seconds of the jam protection function or catch protection function activating, continuously operate the power window switch in the one-touch closing direction or one-touch opening direction so that the side window can be opened and closed.
- If the side window cannot be opened and closed even when performing the above operations, perform the following procedure for function initialization.

1 Turn the engine switch to ON.

2 Pull and hold the power window switch in the one-touch closing direction and completely close the side 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 side window is completely opened, continue holding the switch for an additional 1 second or more.

5 Release the power window switch for a moment, resume pushing the switch in the one-touch opening direction, and hold it there for approximately 4 seconds or more.

6 Pull and hold the power window switch in the one-touch closing direction again. After the side 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 (if equipped)

- The power windows can be opened and closed using the mechanical key.* (→P.666)
- The power windows can be opened and closed using the wireless remote control.* (→P.174)
- Vehicles with intrusion sensor: if the power windows are closed using the door lock linked window operation when the alarm system is set, the alarm may be triggered.

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

Power window open reminder function

A message is shown on the multi-information display when the engine switch is turned to OFF and the driver's door is opened with the power windows open.

Customization

Settings (e.g. linked door lock operation) can be changed. (Customizable features: →P.710)

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.222)
- 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 engine switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.

WARNING

- 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.

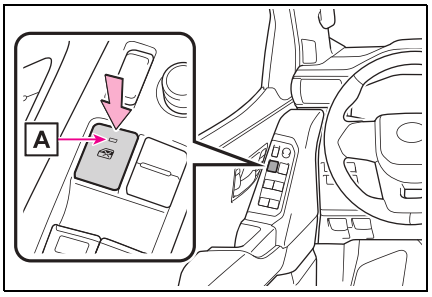
Preventing accidental operation (window lock switch)

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

Press the switch.

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

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



■ The window lock switch can be operated when

The engine switch is in ON.

■ When the battery is disconnected

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

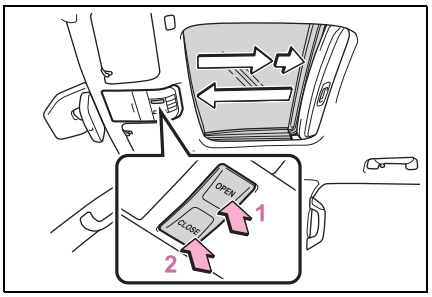
Moon roof*

*: If equipped

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

Operating the moon roof

■ Opening and closing



1 Opens the moon roof*

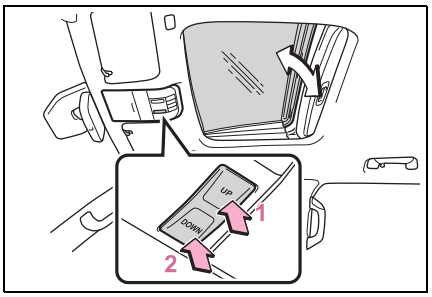
The moon roof stops slightly before the fully open position to reduce wind noise.

Press the switch again to fully open the moon roof.

2 Closes the moon roof*

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

■ The moon roof can be operated when

The engine switch is in ON.

■ Operating the moon roof after turning the engine off

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

■ Using the voice control system (if equipped)

The moon roof can be opened and closed using the voice control system.

For details regarding the voice control system, refer to “Multimedia Owner’s Manual”.

■ 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 (if equipped)

- The moon roof can be opened and closed using the mechanical key.* (→P.666)
- The moon roof can be opened and closed using the wireless remote control.* (→P.174)
- Vehicles with intrusion sensor: if the moon roof is closed using the door

lock linked window operation when the alarm system is set, the alarm may be triggered.

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

When the moon roof does not close normally

Perform the following procedure:

- If the moon roof closes but then re-opens slightly

1. Stop the vehicle.
2. Press and hold the “CLOSE” switch.*1
   The moon roof will close, re-open and pause for approximately 10 seconds.*2 Then it will close again, tilt up and pause for approximately 1 second. Finally, it will tilt down, open and close.
3. Check to make sure that the moon roof is completely closed and then release the switch.

- If the moon roof tilts down but then tilts back up

1. Stop the vehicle.
2. Press and hold the “UP” switch*1 until the moon roof moves into the tilt up position and stops.
3. Release the “UP” switch once and then press and hold the “UP” switch again.*1

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

4. Check to make sure that the moon roof is completely closed and then release the switch.

*1: If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

*2: If the switch is released after the above mentioned 10 second pause, automatic operation will be disabled. In that case, press and hold the “CLOSE” or “UP” switch, and the moon roof will tilt up and pause for approximately 1 second. Then it will tilt down, open and close. Check to make sure that the moon roof is completely closed and then release the switch.

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

Moon roof open reminder function

A message is shown on the multi-information display when the engine switch is turned to OFF and the driver’s door is opened with the moon roof open.

Customization

Settings (e.g. linked door lock operation) can be changed. (Customizable features: →P.710)

WARNING

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

Opening the moon roof

- Do not allow any passengers to put their hands or head 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.

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

■ Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the moon roof is fully closed.

Driving position memory*

*: If equipped

This feature automatically adjusts the positions of the driver's seat, steering wheel, outside rear view mirrors and head-up display (if equipped) to make entering and exiting the vehicle easier or to suit your preferences.

When My Settings is turned on:

Up to 3 different driving positions can be recorded for each the driver and guest that have been registered for My Settings.

When electronic key assignment is registered for My Settings, the driving position for each driver can be recalled (memory recall function).

When My Settings is turned off:

Up to 3 different driving positions can be recorded.

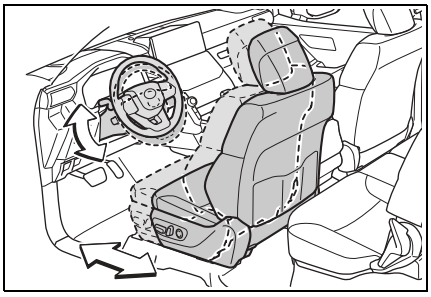
Each electronic key can be registered to recall your preferred driving position (memory recall function).

For details about My Settings, refer to P.231.

Enabling easier driver entry and exit (power easy access system)

When all of the following have been performed, the driver's seat and steering wheel are automatically adjusted to a position that allows driver to enter and exit the vehicle easily.

- The shift lever has been shifted to P.
- The engine switch has been turned to OFF.
- The driver's seat belt has been unfastened.



When any of the following has been performed, the driver's seat and steering wheel automatically return to their original positions.

- The engine switch has been turned to ACC or ON.
- The driver's seat belt has been fastened.

Operation of the power easy access system

When exiting the vehicle, the power easy access system may not operate if the seat is already close to the rearmost

position, etc.

■ **Jam protection function**

If a person or object interferes while the seat is moving automatically, the operation will stop.

■ **Customization**

The seat movement amount settings of the power easy access system can be customized. (Customizable features: →P.709)

WARNING

■ **While the power easy access system is operating and the steering wheel and seat is moving**

Be careful not to get body parts or luggage caught. Failure to do so may cause an injury or damage to the luggage.

Recording/recalling a driving position into memory button

■ **Recording procedure**

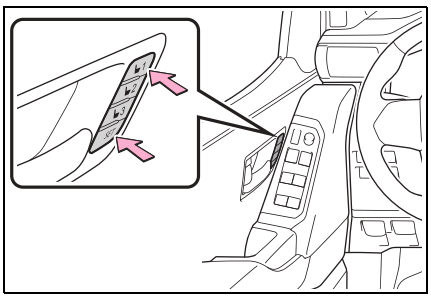
1 Check that the shift lever is in P.

2 Turn the engine switch to ON.

3 Adjust the driver's seat, steering wheel, outside rear view mirrors and head-up display (if equipped) to the desired positions.

4 While pressing the "SET" button, or within 3 seconds after the "SET" button is pressed, press button "1", "2" or "3" until the buzzer sounds.

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

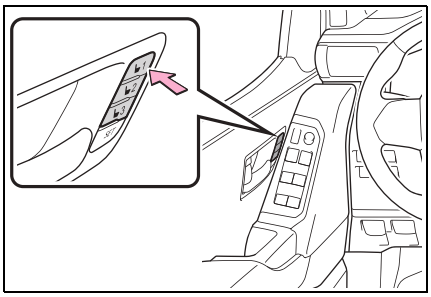


■ **Recall procedure**

1 Check that the shift lever is in P.

2 Turn the engine switch to ON.

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:

- Press the "SET" button.
- Press button "1", "2" or "3".
- Operate any of the seat adjustment switches (only cancels seat position recall).
- Operate the tilt and telescopic steering control switch (only cancels steering wheel position recall).

■ **Jam protection function**

If a person or object interferes while the seat is moving automatically, the operation will stop.

■ **Using the voice control system (if equipped)**

The following operation can be performed using the voice control system.

- Recording a driving position
- Recalling a driving position (it can be performed only when the shift lever is in P)

For details regarding the voice control system, refer to “Multimedia Owner’s Manual”.

■ **Seat position that can be memorized (→P.201)**

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

■ **Operating the driving position memory after turning the engine switch off**

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

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

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

■ **When recalling the driving position**

Take care when recalling the driving position so that the head restraint does not touch the ceiling.

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

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

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 automatically when getting in the vehicle (memory recall function)

■ **When My Settings is turned on (an individual is identified with an electronic key):**

The driving positions can be automatically recalled for each registered driver by registering electronic key assignments in My Settings.

- Driving position registration procedure

When the shift lever is shifted to P after driving the vehicle, the current driving position will be recorded.

- Driving position recall procedure

1 Carry only the electronic key that has been assigned and registered in My Settings, and then unlock and open the driver’s door using the smart entry & start system or wireless remote control.

The driving position other than the steering wheel and head-up display (if equipped) will move to the recorded position. However, the seat will move to a position slightly behind the recorded position in order to make entering the vehicle easier.

If the driving position is in a position that has already been recorded, the driving position will not move.

2 Turn the engine switch to ACC or ON.

The seat, steering wheel and head-up display (if equipped) (only when the engine switch is in ON) will move to the recorded position.

- Memory recall function cancelation procedure

Initialize the driver registered settings in My Settings

For information on initializing the driver registered settings, refer to P.234 (vehicles without navigation system) or “Multimedia Owner’s Manual” (vehicles with navigation system).

■ When My Settings is turned on (to identify an individual with fingerprint information) (vehicles with fingerprint authentication system):

The driving position can automatically be recalled for each registered driver by registering fingerprint information on the fingerprint authentication system.

- Driving position registration procedure

When the shift lever is shifted to P after driving the vehicle, the current driving position will be recorded.

- Driving position recall procedure

Turn the engine switch to ACC or ON.

After fingerprint authentication was successful, the seat, steering wheel and head-up display (if equipped) (only when the engine switch is turned on) move to the registered driving position.

If the driving position is in a position that has already been recorded, the driving position will not move.

- Memory recall function cancelation procedure

Delete fingerprint information on the fingerprint authentication.

For information on deleting fingerprint information, refer to P.116 (vehicles without navigation system) or “Multimedia Owner’s Manual” (vehicles with navigation system).

■ When My Settings is turned off:

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

- Driving position registration procedure

Record your driving position to button “1”, “2” or “3” before performing the following:

Carry only the key you want to register, and then close the driver’s door.
If 2 or more keys are in the vehicle, the driving position cannot be recorded properly.

1 Check that the shift lever is in P.

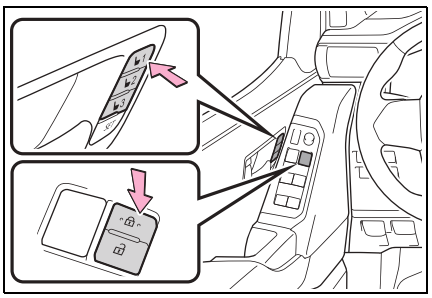
2 Turn the engine switch to ON.

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 approx-

imately 3 seconds.



- Driving position recall procedure

1 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 other than the steering wheel and head-up display (if equipped) will move to the recorded position. However, the seat will move to a position slightly behind the recorded position in order to make entering the vehicle easier.

If the driving position is in a position that has already been recorded, the driving position will not move.

2 Turn the engine switch to ACC or ON, or fasten a seat belt.

The seat, steering wheel and head-up display (if equipped) (only when the engine switch is in ON) will move to the recorded position.

- Memory recall function cancelation procedure

Carry only the key you want to cancel and then close the driver's door.
If 2 or more keys are in the vehicle, the driving position cannot be canceled properly.

1 Turn the engine switch to 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.

■ Recalling the driving position using the memory recall function

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.

■ Jam protection function

If a person or object interferes while the seat is moving automatically, the operation will stop.

■ Customization

Some functions can be customized. (Customizable features: →P.709)

My Settings

By identifying an individual through a device, such as an electronic key, the driving position and vehicle settings recorded for that driver can be recalled when the vehicle is entered.

By assigning an authentication device to a driver in advance, the driver can enter the vehicle with their preferred settings.

Settings for 3 drivers can be stored in My Settings.

Vehicles with navigation system: For details on how to assign/delete authentication devices, set driver names, perform initialization, change drivers manually, or delete a driver, refer to "Multimedia Owner's Manual".

Types of assigned authentication devices

An individual can be identified using the following authentication devices.

- Electronic key

An individual is identified when the smart entry & start system detects their electronic key. (→P.196)

- Fingerprint authentication system*

An individual is identified when they touch the fingerprint sensor on the engine switch. If their fingerprint has been registered in the system, they are authenticated by fingerprint. (→P.116, 265)

Individual identification by fingerprint authentication is prioritized than by electronic key, if the latter has identified with another registered driver.

- Bluetooth® device*

An individual is identified when a Bluetooth® device is connected to the multimedia system. For information on how to connect Bluetooth® devices, refer to "Multimedia Owner's Manual".

When an individual is identified with an electronic key or fingerprint authentication*, identifying using a Bluetooth® device is not performed.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

*: If equipped

Recalled functions

When an individual is identified from an authentication device, settings for the following functions are recalled.

- Driving position (memory recall function)*1

After an individual is identified, the driving position that was set when driving was last completed (with shift lever set to P) is recalled when either of the following operations is performed.

- When an individual is identified from an electronic key: Unlocking the doors using the smart entry & start system or wireless remote control

- When an individual is identified from the fingerprint authentication system[*1]: After the fingerprint sensor identifies fingerprint information, turning the engine switch to ACC or ON

● Meter displays[*2] and head-up display information[*1, 2]

When an individual is identified, the display settings used when the engine switch was last turned off are recalled.

● Multimedia settings[*1, 2]

When an individual is identified, the multimedia system settings used when the engine switch was last turned off are recalled.

● Safe driving support function[*1, 2]

When an individual is identified, the vehicle settings used when the engine switch was last turned off are recalled.

● Vehicle settings[*2] (items that can be set on the multi-information display and multimedia system[*3])

When an individual is identified, the vehicle settings used when the engine switch was last turned off are recalled.

[*1]: If equipped

[*2]: Some settings are excluded

[*3]: Vehicles with navigation system

Electronic key assignment registration/deletion (vehicles without navigation system)

Electronic key assignment is registered/deleted on the multi-information display.

For detail regarding the multi-information display, refer to P.141, 150.

■ Registering an electronic key assignment (registering from the “New Key Detected” screen)

1 Ensure that the electronic key to assign and register is the only electronic key inside the vehicle, and then turn the engine switch on.

2 The “New Key Detected” screen is displayed on the multi-information display. Select “Yes” and then press OK.

If the electronic key has already been assigned and registered, the “New Key Detected” screen will not be displayed.

Selecting “Do Not Show Again” will prevent the “New Key Detected” screen from being displayed again. Electronic key assignment can be registered from ⚙ screen of the multi-information display.

3 Select the driver or “(blank)” to register, and then press OK.

4 If “(blank)” was selected in step 3, enter the driver’s name and then press OK.

Enter this information using the meter control switches.

When registration is complete, a message “Key Sync Added” is displayed on the multi-information display.

■ **Registering an electronic key assignment (registering from ⚙ screen of the multi-information display)**

An electronic key is assigned and registered for the current driver.

1 Select “My Settings” from “Vehicle Settings” on ⚙ of the multi-information display.

2 Select “Setting” and then press OK.

3 Select “Key Sync” and then press OK.

4 Select “Key Addition” and then press OK.

5 Ensure that the electronic key to assign and register is the only electronic key inside the vehicle, and then select “Start Key Detection” and press OK.

When registration is complete, a message “Key Sync Added” is displayed on the multi-information display.

■ **Deleting an electronic key assignment**

All electronic keys assigned and registered for the current driver are deleted.

1 Select “My Settings” from “Vehicle Settings” on ⚙ of the multi-information display.

2 Select “Setting” and then press OK.

3 Select “Key Sync Change” and then press OK.

4 Select “Key Deletion” and then press OK.

5 Select “Yes” and then press OK.

When deletion is complete, a message “Key Sync Deleted” is displayed on the multi-information display.

■ **Electronic key assignment registration**

- A single electronic key can be assigned and registered for only a single driver.
- It will not be possible to detect an electronic key normally if there is no electronic key inside the vehicle, or if there are multiple electronic keys inside the vehicle. When registering, ensure that there is only a single electronic key inside the vehicle.
- When deleting an assignment, all registered electronic keys will be deleted. Assignments cannot be individually deleted.

Fingerprint assignment registration/deletion (vehicles without navigation system)

→P.116

Changing the driver’s name (vehicles without navigation system)

The driver name displayed on the multi-information display can be changed.

For detail regarding the multi-informa-

tion display, refer to P.141, 150.

1 Select “My Settings” from “Vehicle Settings” on of the multi-information display.

2 Select “Setting” and then press OK.

3 Select “Driver Name Change” and then press OK.

4 Enter the driver’s name and then press OK.

Enter this information using the meter control switches.

The registered name that was entered is displayed on the multi-information display.

Initializing driver registered settings (vehicles without navigation system)

All registered settings (driving position, etc.) for the driver are deleted and returned to their default settings.

For detail regarding the multi-information display, refer to P.141, 150.

1 Select “My Settings” from “Vehicle Settings” on of the multi-information display.

2 Select “Setting” and then press OK.

3 Select “Driver Initialization” and then press OK.

4 Select “Yes” and then press OK.

When initialization is complete, a message “Driver Initialized” is displayed on the multi-information display.

■ Fingerprint registration deletion (vehicles with fingerprint authentication system)

If a driver’s fingerprint is registered in the fingerprint authentication system, it will not be possible to initialize that driver’s registered settings. The registered fingerprint will need to be deleted first. (→P.116)

Manually switching drivers (vehicles without navigation system)

When drivers are switched or an electronic key assigned to someone else was brought into the vehicle, drivers can be manually switched.

For detail regarding the multi-information display, refer to P.141, 150.

1 Select “My Settings” from “Vehicle Settings” on of the multi-information display.

2 Select “Setting” and then press OK.

3 Select “Driver Change” and then press OK.

4 Select a new driver, and then press OK.

5 The “Adjust Position” screen is displayed. Select “Yes” and then press OK.

If “Guest” was selected, the “Adjust Position” screen will not be displayed.

■ **“Guest” mode**

- Vehicles are delivered without any authentication devices registered. The system will operate in “Guest” mode until registration is performed.
- If an individual is not identified using an authentication device, the system will operate in “Guest” mode.
- An electronic key cannot be assigned and registered for the “Guest” user.

■ **Customization**

The meter control switches can be used to turn My Settings on and off. (→P.700)

4-1. Before driving

Driving the vehicle 239

Cargo and luggage 246

Trailer towing (with towing hitch).....247

Pintle hook.....255

Electric winch.....256

4-2. Driving procedures

Engine (ignition) switch.....265

Automatic transmission (with M mode) 270

Automatic transmission (with S mode) 273

Turn signal lever 277

Parking brake 278

Brake Hold.....282

4-3. Operating the lights and wipers

Headlight switch 285

AHS (Adaptive High-beam System) 290

AHB (Automatic High Beam) 293

Fog light switch.....296

Windshield wipers and washer 298

Rear window wiper and washer.....301

4-4. Refueling

Opening the fuel tank cap.303

4-5. Using the driving support systems

Toyota Safety Sense 306

PCS (Pre-Collision System) 312

LTA (Lane Tracing Assist) 325

LDA (Lane Departure Alert) 330

RSA (Road Sign Assist)....335

Dynamic radar cruise control 339

Cruise control (Vehicles with Toyota Safety Sense).....350

Cruise control (Vehicles without Toyota Safety Sense) 353

Emergency Driving Stop System.....356

Stop & Start system 358

BSM (Blind Spot Monitor) .364

Rear Vehicle Approaching Indication 370

Automatic Rear Flashing Hazard Lights.....373

Secondary Collision Brake (Rear Impacts while Stopped) 375

Safe Exit Assist.....377

Toyota parking assist-sensor 382

RCTA (Rear Cross Traffic Alert) function 388

RCD (Rear Camera Detection) 393

PKSB (Parking Support Brake) 397

Parking Support Brake function (static objects front and rear of the vehicle).....401
Parking Support Brake function (moving vehicles rear of the vehicle).....404
Parking Support Brake function (pedestrians rear of the vehicle).....405
Multi-terrain Monitor.....407
Driving mode select switch 473
Four-wheel drive system ..475
Front differential lock system 478
Rear differential lock system 480
Crawl Control (with Turn Assist function).....481
Multi-terrain Select.....486
Downhill assist control system 489
DPF (Diesel Particulate Filter) system 491
Driving assist systems 494

4-6. Driving tips

Off-road precautions.....500
Winter driving tips 502
Eco-friendly driving tips 505

Driving the vehicle

The following procedures should be observed to ensure safe driving:

Driving procedure

■ Starting the engine

→P.265

■ Driving

1 With the brake pedal depressed, shift the shift lever to D. (→P.271, 275)

2 If the parking brake is in manual mode, release the parking brake. (→P.278)

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.278)

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P or N. (→P.271, 275)

■ Parking the vehicle

1 With the shift lever in D, depress the brake pedal.

2 Set the parking brake (→P.278), and shift the shift lever to P (→P.271, 275).

Do not press the shift release button after shifting the shift lever to P.

3 Press the engine switch to stop the engine.

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.271, 275)

2 Pull the parking brake switch to set the parking brake manually. (→P.278)

3 Release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

4 Press the parking brake switch and parking brake is released manually.

■ When starting off on a uphill

The hill-start assist control will activate. (→P.495)

■ Driving in the rain

- Drive carefully when it is raining, because visibility will be reduced, the windows may become fogged-up, and the road will be slippery.
- Drive carefully when it starts to rain, because the road surface will be especially slippery.
- Refrain from high speeds when driving on an expressway in the rain, because there may be a layer of water between the tires and the road surface, preventing the steering and brakes from operating properly.

■ Engine speed while driving

In the following conditions, the engine speed may become high while driving.

This is due to automatic up-shifting control or down-shifting implementation to meet driving conditions. It does not indicate sudden acceleration.

- The vehicle is judged to be driving uphill or downhill
- When the accelerator pedal is released
- When the brake pedal is depressed while power mode is selected (automatic transmission with S mode) (→P.276)
- When the brake pedal is depressed (automatic transmission with M mode)

■ Restraining the engine output (Brake Override System)

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

■ 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 800 km (500 miles) (with towing hitch): Do not tow a trailer.
- 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.

■ When driving in an extremely cold environment

In an extremely cold environment, idle the engine for more than 30 seconds after starting the engine. Do not race the engine while idling.

■ Idling time before stopping the engine

To prevent damage to the turbocharger, allow the engine to idle immediately after high-speed driving or driving up a hill.

Vehicles with Stop & Start system: To allow the engine to idle when the vehicle is stopped, disable the Stop & Start cancel switch. (→P.359)

(With the Stop & Start system enabled, the engine will be stopped by the Stop & Start system when the vehicle is stopped.)

▶ V35A-FTS engine

Driving condition	Idling time
Normal city driving	Not necessary
High-speed driving (constant speed of approx. 100 km/h [62 mph])	Not necessary
Steep hill driving or continuous driving at 100 km/h (62 mph) or more (race track driving etc.)	Approximately 1 minute

▶ F33A-FTV engine

Driving condition		Idling time
Normal city driving		Not necessary
High-speed driving	Constant speed of approx. 80 km/h (50 mph)	Approximately 20 seconds
	Constant speed of approx. 100 km/h (62 mph)	Approximately 1 minute
Steep hill driving or continuous driving at 100 km/h (62 mph) or more (race track driving etc.)		Approximately 2 minutes

Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P.685)

WARNING

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

When starting the vehicle

Always keep your foot on the brake pedal while stopped with the engine running. This prevents the vehicle from creeping.

When driving the vehicle

- Do not drive if you are unfamiliar with the location of the brake and accelerator pedals to avoid depressing the wrong pedal.
  - Accidentally depressing the accelerator pedal instead of the brake pedal will result in sudden acceleration that may lead to an accident.
  - When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
  - Make sure to keep a correct driving posture even when moving the vehicle only slightly. This allows you to depress the brake and accelerator pedals properly.
  - Depress the brake pedal using your right foot. Depressing the brake pedal using your left foot may delay response in an emergency, resulting in an accident.
- Do not drive the vehicle over or stop the vehicle near flammable materials.
  The exhaust system and exhaust gases can be extremely hot. These hot parts may cause a fire if there is any flammable material nearby.
- During normal driving, do not turn off the engine. Turning the engine off while driving will not cause loss of steering or braking control. However, power assist for these systems may be lost making it difficult to steer or brake before stopping the vehicle depending on the remaining charge in the battery or usage conditions. In this situation, 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.628
- 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.270, 273)
- Do not adjust the position of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
  Doing so may result in a loss of vehicle control.
- Always check that all passengers' arms, heads or other parts of their body are not outside the vehicle.

When driving on slippery road surfaces

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

WARNING

- After driving through a puddle, lightly depress the brake pedal to make sure that the brakes are functioning properly. Wet brake pads may prevent the brakes from functioning properly. If the brakes on only one side are wet and not functioning properly, steering control may be affected.

■ When shifting the shift lever

- Do not let the vehicle roll backward while the shift lever is in a driving position, or roll forward while the shift lever is in R.
  Doing so may cause the engine to stall or lead to poor brake and steering performance, resulting in an accident or damage to the vehicle.
- Do not shift the shift lever to P while the vehicle is moving.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to R while the vehicle is moving forward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to a driving position while the vehicle is moving backward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Moving the shift lever to N while the vehicle is moving will disengage the engine from the transmission.
  Engine braking is not available when N is selected.
- Be careful not to shift the shift lever with the accelerator pedal depressed.
  Shifting the shift lever to a gear other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

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

Have the brake pads checked and replaced by your Toyota dealer as soon as possible.
Rotor damage may result if the pads are not replaced when needed.
It is dangerous to drive the vehicle when the wear limits of the brake pads and/or those of the brake discs are exceeded.

■ When the vehicle is stopped

- Do not race the engine.
  If the vehicle is in any gear other than P or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.
- In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while the engine is running, and apply the parking brake as necessary.
- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.
- Avoid revving or racing the engine.
  Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

WARNING

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

● If the shift lever is moved before the low speed four-wheel drive indicator turns on/off, the transfer mode may not be shifted completely.
The transfer mode disengages both the front and rear driveshafts from the powertrain and allows the vehicle to move regardless of the shift position. (At this time, the indicator blinks and the buzzer sounds.)

Therefore, the vehicle is free to roll even if the shift lever is in P. You or someone else could be seriously injured. You must complete the shifting of the transfer mode. (→P.475)

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

■ When taking a nap in the vehicle

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

WARNING

■ When braking

- When the brakes are wet, drive more cautiously.
  Braking distance increases when the brakes are wet, and this may cause one side of the vehicle to brake differently than the other side. Also, the parking brake may not securely hold the vehicle.
- If the brake booster device does not operate, do not follow other vehicles closely and avoid hills or sharp turns that require braking.
  In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase. Have your brakes fixed immediately.
- Do not pump the brake pedal if the engine stalls.
  Each push on the brake pedal uses up the reserve for the power-assisted brakes.
- The brake system consists of 2 individual hydraulic systems; if one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase. Have your brakes fixed immediately.

■ If the vehicle becomes stuck

Do not spin the wheels excessively when 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 during driving, as this may restrain the engine output.
- Do not use the accelerator pedal or depress the accelerator and brake pedals at the same time to hold the vehicle on a hill.

■ 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 pump.
- When driving over bumps in the road, drive as slowly as possible to avoid damaging the wheels, underside of the vehicle, etc.
- Diesel engine only: Make sure to idle the engine immediately after high-speed driving or hill climbing. Stop the engine only after the turbocharger has cooled down. Failure to do so may cause damage to the turbocharger.

■ 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.653)

NOTICE

■ 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, transmission, transfer, differentials, etc.
- Lubricant condition for the propeller shaft, bearings and suspension joints (where possible), and the function of all joints, bearings, etc.

■ 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.

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

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

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

When the system operates, a message appears on the multi-information display. Read the message and follow the instruction.

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

■ Drive-Start Control (DSC)

- When the Active TRC is turned off (→P.496), sudden start restraint control also does not operate. If your vehicle have trouble escaping from the mud or fresh snow due to sudden start restraint control operation, deactivate Active TRC (→P.496) so that the vehicle may become able to escape from the mud or fresh snow.

Also, sudden start restraint control will not operate in the following conditions:

- When the four-wheel drive control switch is in “L4” position.
- When the center differential is locked
- When Multi-terrain Select* is selected

*: If equipped

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 anything 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. Otherwise, they are much more likely to suffer death or serious bodily injury, in the event of sudden braking, sudden swerving or an accident.
- 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 (if equipped)
  - On the instrument panel
  - On the dashboard
  - On the auxiliary box or tray that has no lid
- 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 loading cargo on the roof luggage carrier

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.680)
- 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.

WARNING

- 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 100 kg (220 lb.) cargo weight on the roof luggage carrier.

NOTICE

When loading cargo on the roof luggage carrier

Be careful not to scratch the surface of the moon roof (if equipped).

Trailer towing (with towing hitch)

The strain of towing a trailer will have a negative impact on the running performance, handling, fuel consumption and endurance of your vehicle. Use the vehicle features in the correct manner and operate the vehicle with care for safer driving and optimal comfort. Damage and/or malfunctions that occur as a result of towing performed for commercial purposes are not covered by the Toyota warranty.

Contact your Toyota dealer for further information about additional requirements such as towing kits, etc.

Tire information

- Increase the tire inflation pressure to 20.0 kPa (0.2 kgf/cm^2 or bar, 3 psi) greater than the recommended value when towing. (→P.696)
- Increase the air pressure of the trailer tires in accordance with the total trailer weight and according to the values recommended by the manufacturer of your trailer.

Trailer lights

Check that the turn signal lights and stoplights are operating correctly every time you hitch up the trailer. Directly wiring up to your vehicle may damage the electrical system and stop the lights from functioning correctly.

Safety checks before towing

- Check that the maximum load limit for

the towing hitch/bracket and hitch ball is not exceeded. Bear in mind that the coupling weight of the trailer will add to the load exerted on the vehicle. Also make sure that the total load exerted on the vehicle is within the range of the weight limits. (→P.249)

- Ensure that the trailer load is secure.
- Supplementary outside rear view mirrors should be added to the vehicle if the traffic behind cannot be clearly seen with standard mirrors. Adjust the extending arms of these mirrors on both sides of the vehicle so that they always provide maximum visibility of the road behind.
- The trailer ball is set up at the proper height for the coupler on the trailer.

■ Maintenance

- Maintenance must be performed more frequently when using the vehicle for towing due to the greater weight burden placed on the vehicle compared to normal driving.
- Retighten all bolts securing the hitching ball and bracket after towing for approximately 1000 km (600 miles).

⚠ WARNING

Follow all the instructions described in this section.
Failure to do so could cause an accident resulting in death or serious injury.

■ Trailer towing precautions

When towing, make sure that none of the weight limits are exceeded. (→P.249)

■ To avoid accident or injury

Do not use dynamic radar cruise control (if equipped) or cruise control when trailer towing.

■ Vehicle speed in towing

Observe the legal maximum speeds for trailer towing.

■ Before descending hills or long declines

Reduce speed and downshift. However, never downshift suddenly while descending steep or long downhill grades.

■ Operation of the brake pedal

Do not hold the brake pedal depressed often or for long periods of time.
Doing so may result in the brake overheating or reduce braking effects.

Weight limits

Check the allowable towing capacity, GVM (Gross Vehicle Mass), MPAC (Maximum Permissible Axle Capacity), and permissible drawbar load before towing. (→P.682)

Towing hitch/bracket

Toyota recommends the use of the Toyota hitch/bracket for your vehicle. Other products of a suitable nature and comparable quality may also be used.

When using the Toyota hitch/bracket, use the reinforcement patch. Contact your Toyota dealer for details.

For vehicles where the towing device blocks any of the lights or license plate, the following shall be observed:

- Do not use towing devices that cannot be easily removed or repositioned.
- Towing devices must be

removed or repositioned when not in use.

Connecting trailer lights (if equipped)

Use the wire harness stored in the rear end.

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

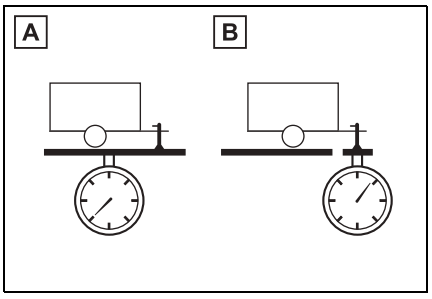
NOTICE

■ Do not directly splice trailer lights

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

Important points regarding trailer loads

■ Total trailer weight and permissible drawbar load



A Total trailer weight

Weight of the trailer itself plus the trailer load should be within the maximum towing capacity. Exceeding this weight is dangerous. (→P.682)

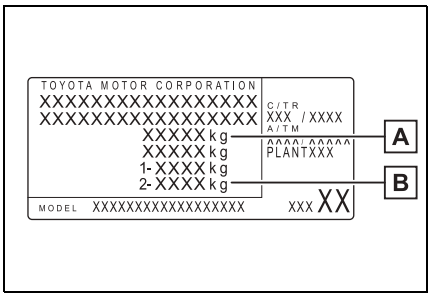
When towing a trailer, use a friction coupler or friction stabilizer (sway control device).

When the total trailer weight is over 2000 kg (4409 lb.), a friction stabilizer (sway control device) is required.

B Permissible drawbar load

Allocate the trailer load so that the drawbar load is greater than 25 kg (55.1 lb.) or 4% of the towing capacity. Do not let the drawbar load exceed the indicated weight. (→P.682)

■ Information tag (manufacturer's label) (if equipped)



A Gross vehicle mass

The combined weight of the driver, passengers, towing hitch, total curb mass and drawbar load should not exceed the gross vehicle mass by more than 100 kg (220.5 lb.). Exceeding this weight is dangerous.

B Maximum permissible rear axle capacity

The weight borne by the rear axle should not exceed the maximum permissible axle capacity by 15% or more. Exceeding this weight is dangerous. The values for towing capacity were derived from testing conducted at sea level. Take note that engine output and

towing capacity will be reduced at high altitudes.

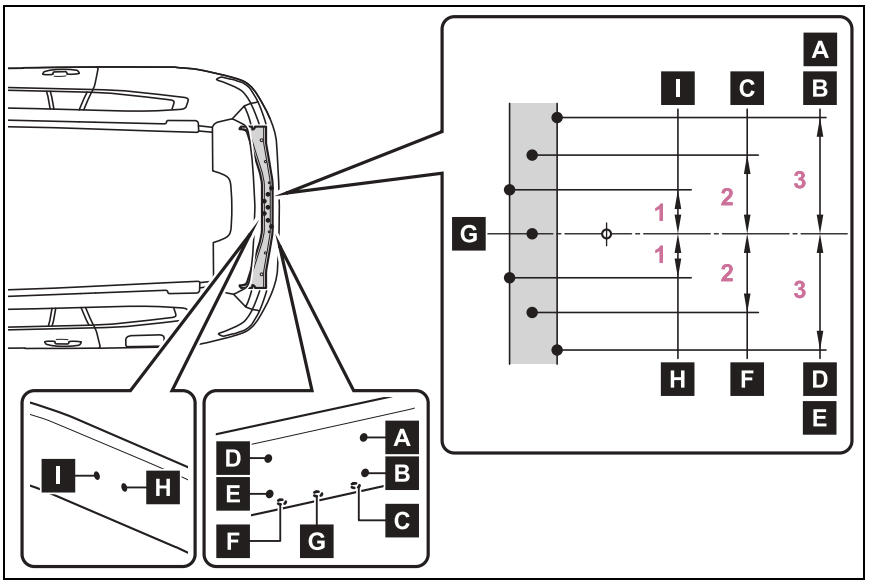
WARNING

■ When the gross vehicle mass limit or maximum permissible axle capacity is exceeded

Do not exceed the established speed limit for towing a trailer in built-up areas or 100 km/h (62 mph), whichever is lower.

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

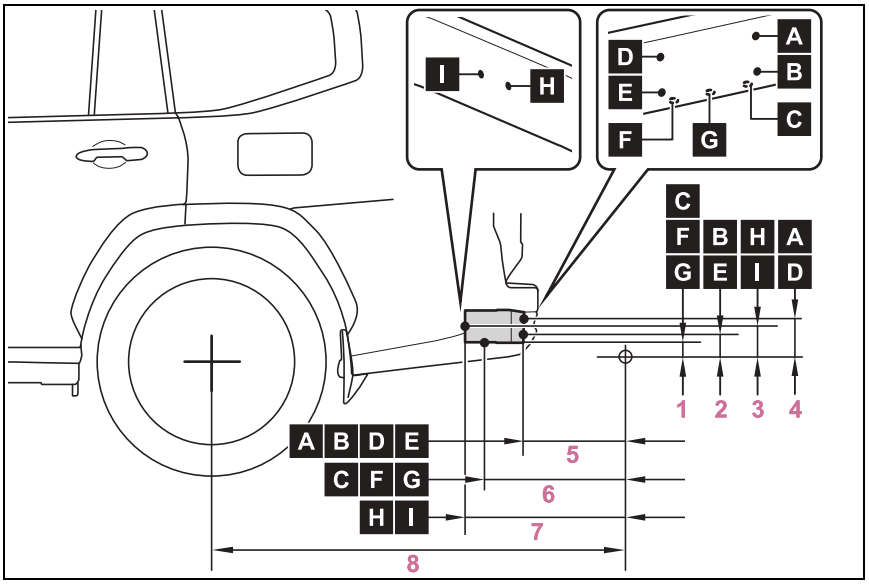
Installation positions for the towing hitch/bracket and hitch ball



1 30 mm (1.2 in.)

2 60 mm (2.4 in.)

3 80 mm (3.1 in.)



1 76.9 mm (3.0 in.)
2 106.5 mm (4.2 in.)
3 137.5 mm (5.4 in.)
4 160.5 mm (6.3 in.)
5 136 mm (5.4 in.)
6 183.5 mm (7.2 in.)
7 211.1 mm (8.3 in.)
8 1272 mm (50.1 in.)

NOTICE

■ When the rear bumper strengthening material is aluminum

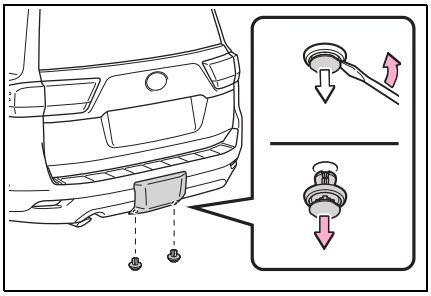
Ensure the steel bracket part does not come directly in contact with that area.

When steel and aluminum come into contact, there is a reaction similar to corrosion, which will weaken the section concerned and may result in damage. Apply a rust inhibitor to parts that will come in contact when attaching a steel bracket.

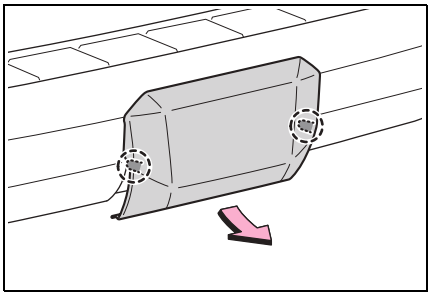
Removing hitch cover

▶ Type A

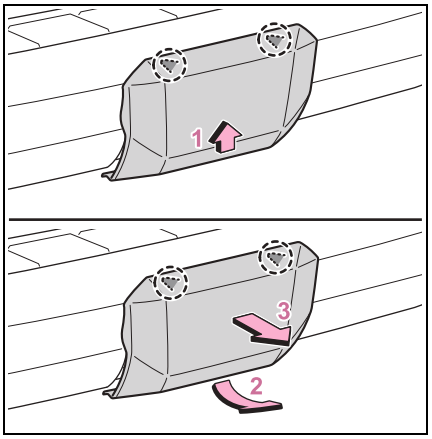
1 Remove the clips.



2 Pull the lower edge of the hitch cover toward you and remove the 2 claws.



3 Remove the cover as shown in the illustration.



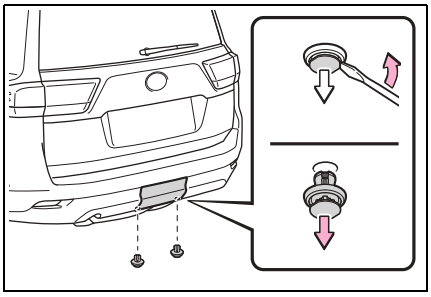
1 Hold the lower edge of the cover and slightly lift up the cover.

2 Pull only the lower edge of the cover toward you and remove the 2 claws.

3 Pull the cover toward you and remove it.

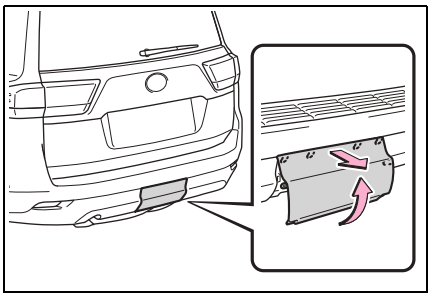
▶ Type B

1 Remove the clips.



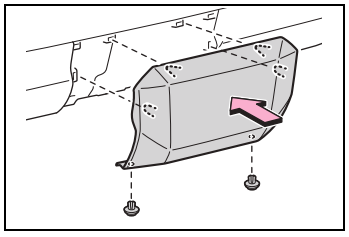
2 Remove the cover as shown in the illustration.

When reattaching the cover, reverse the steps listed.



■ When installing the cover (type A)

Be sure to install the 4 claws, and install the clips.



Guidance

Your vehicle will handle differently when towing a trailer. In order to avoid accident, death or serious

injury, keep the following in mind when towing:

■ Checking connections between trailer and lights

Stop the vehicle and check the operation of the connection between the trailer and lights after driving for a brief period as well as before starting off.

■ Practicing driving with a coupled trailer

- Get the feel for turning, stopping and reversing with the trailer coupled by practicing in an area with no or light traffic.
- When reversing with a coupled trailer, hold the section of the steering wheel nearest to you and rotate clockwise to turn the trailer left or counterclockwise to turn it right. Always rotate a little at a time to prevent steering error. Have someone guide you when reversing to lessen the risk of an accident.

■ Increasing vehicle-to-vehicle distance

At a speed of 10 km/h (6 mph), the distance to the vehicle running ahead of you should be equivalent to or greater than the combined length of your vehicle and trailer. Avoid sudden braking that may cause skidding. Otherwise, the vehicle may spin out of control. This is especially true when driving on wet or slippery road surfaces.

■ Sudden acceleration/steering input/cornering

Executing sharp turns when towing may result in the trailer colliding with your vehicle. Decelerate well in advance when approaching turns and take them slowly and carefully to avoid sudden braking.

■ Important points regarding turning

The wheels of the trailer will travel closer to the inside of the curve than the wheels of the vehicle. To make allowance for this, take the turns wider than you would normally do.

■ Important points regarding stability

Vehicle movement resulting from uneven road surfaces and strong crosswinds will affect handling. The vehicle may also be rocked by passing buses or large trucks. Frequently check behind when moving alongside such vehicles. As soon as such vehicle movement occurs, immediately start to decelerate smoothly by slowly applying the brakes. Always steer the vehicle straight ahead while braking.

■ Passing other vehicles

Consider the total combined length of your vehicle and trailer and ensure that the vehicle-to-vehicle distance is sufficient before executing lane changes.

■ **Transmission information**

To maintain engine braking efficiency, when using engine braking, do not use the transmission in D.

If in the M mode, the transmission shift range position must be in 7 or lower. (→P.272)

■ **If the engine overheats**

Towing a loaded trailer up a long, steep incline in temperatures exceeding 30°C (85°F) may result in the engine overheating. If the engine coolant temperature gauge indicates that the engine is overheating, turn the air conditioning off immediately, leave the road and stop the vehicle in a safe place. (→P.674)

■ **When parking the vehicle**

Always place wheel chocks under the wheels of both the vehicle and trailer. Firmly set the parking brake and shift the shift lever to P.

■ **When towing a trailer**

Disable the following systems, as the systems may not operate properly.

- LTA (Lane Tracing Assist)* (→P.325)
- LDA (Lane Departure Alert)* (→P.330)
- Dynamic radar cruise control* (→P.339)
- Cruise control (→P.350, 353)
- BSM (Blind Spot Monitor)* (→P.364)
- Toyota parking assist-sensor* (→P.382)
- RCTA (Rear Cross Traffic Alert) function* (→P.388)
- RCD (Rear Camera Detection) function* (→P.393)
- PKSB (Parking Support Brake)* (→P.397)

*: If equipped

■ **Break-in schedule**

Toyota recommends that vehicles fitted with new power train components should not be used for towing trailers for the first 800 km (500 miles).

■ **If trailer sway occurs**

One or more factors (crosswinds, passing vehicles, rough roads, etc.) can adversely affect handling of your vehicle and trailer, causing instability.

- If trailer swaying occurs:
  - Firmly grip the steering wheel. Steer straight ahead.
    Do not try to control trailer swaying by turning the steering wheel.
  - Begin releasing the accelerator pedal immediately but very gradually to reduce speed.
    Do not increase speed. Do not apply vehicle brakes.

If you make no extreme correction with the steering or brakes, your vehicle and trailer should stabilize (if enabled, Trailer Sway Control can also help to stabilize the vehicle and trailer.).

- After the trailer swaying has stopped:
  - Stop in a safe place. Get all occupants out of the vehicle.
  - Check the tires of the vehicle and the trailer.
  - Check the load in the trailer.

Make sure the load has not shifted.

Make sure the tongue weight is appropriate, if possible.

- Check the load in the vehicle.

Make sure the vehicle is not overloaded after occupants get in.

If you cannot find any problems, the speed at which trailer swaying occurred is beyond the limit of your particular

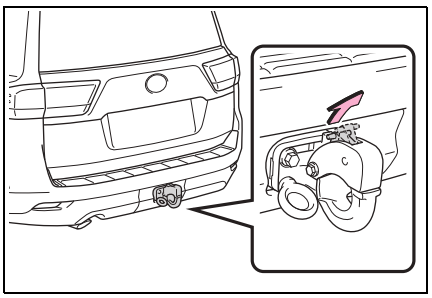
vehicle-trailer combination. Drive at a lower speed to prevent instability. Remember that swaying of the towing vehicle-trailer increases as speed increases.

Pintle hook*

*: If equipped

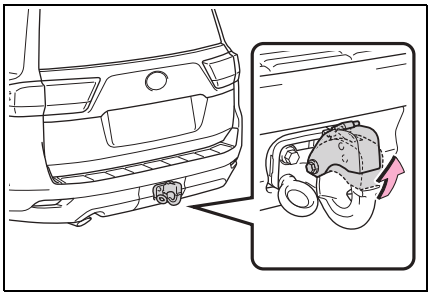
The pintle hook can be used for towing.

1 Pull the pintle hook lock lever up.



2 Lift the upper half of the hook up.

After attaching the trailer, let the upper half of the pintle hook lower to its original position, and lower the pintle hook lock lever.



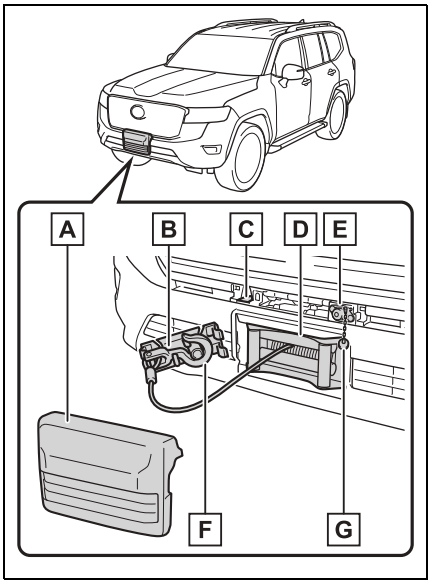
■ When towing

- As a double safety measure, attach the vehicle being towed to the eyelet bolt with a cable or rope.
- Attach the vehicle being pulled to the pintle hook so that the pulling force is horizontal.
- Because of the installations of the pintle hook and steps, the vehicle's

departure angle is reduced. Be careful not to interfere with road surface while driving through rough terrain.

Electric winch*

*: If equipped



A Winch cover

B Hook holder

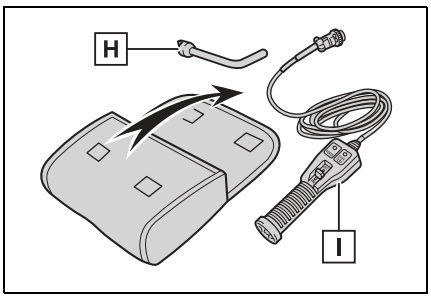
C Winch clutch opening

D Winch opening

E Remote control terminal

F Hook

G Dust cap

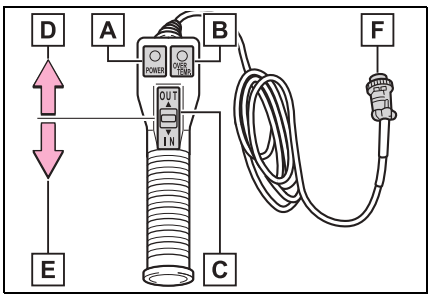


H Winch clutch lever

I Remote control

You can find the winch clutch lever and remote control in the storage bag on the front passenger seat.

Remote control



A “POWER” indicator light

This light indicates that the winch is ready to use.

With the remote control plugged into the winch terminal, this light comes on when the engine is started.

If the “POWER” indicator light dims noticeably, stop operation and allow the battery to recharge.

B “OVER TEMP” warning light

This light indicates that the winch motor is overheating.

When pulling heavy loads, the “OVER TEMP” warning light may come on and the warning buzzer may sound.

If this happens, stop operation and allow the winch motor to cool.

C Remote control switch

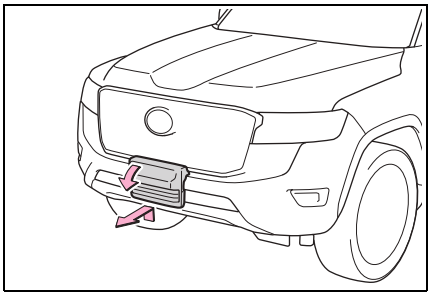
D “OUT” side (release)

E “IN” side (wind)

F Wire plug

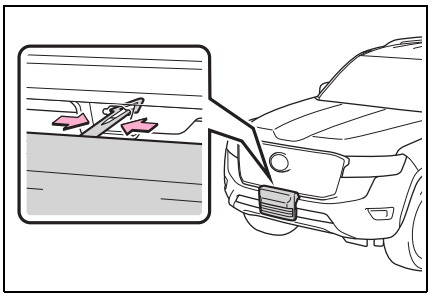
Removing the winch cover

1 Raise the cover as shown in the illustration.



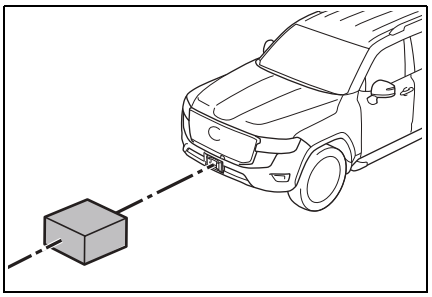
2 Squeeze the cover fastener and remove the cover as shown in the illustration.

When reattaching the winch cover, reverse the steps listed.



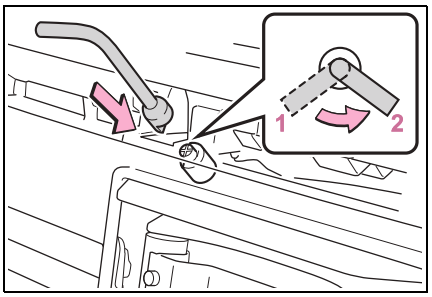
Preparing to use the winch

1 Park the vehicle straight ahead of the object you want to pull.



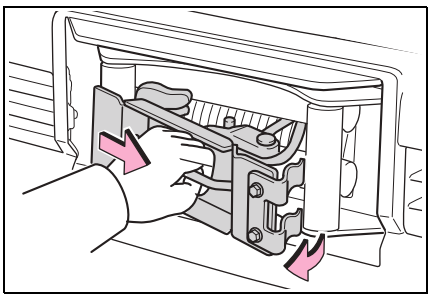
2 Remove the winch cover.

3 Set the winch clutch lever and turn the winch clutch lever counterclockwise from lock to the free position.

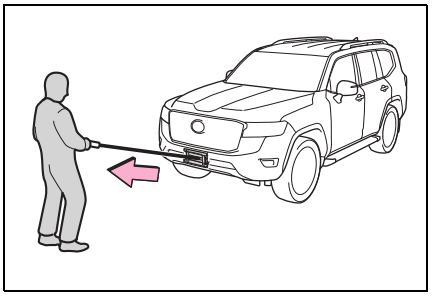


1 Lock
2 Free

4 Remove the hook holder and pull out the cable by hand.



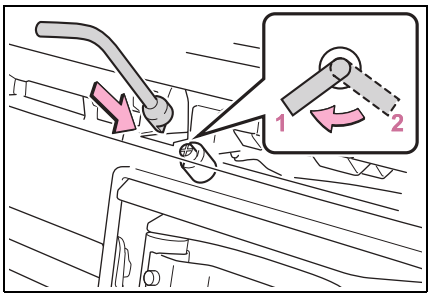
5 Hold the hook and extend the cable as far as necessary.



Operating the winch

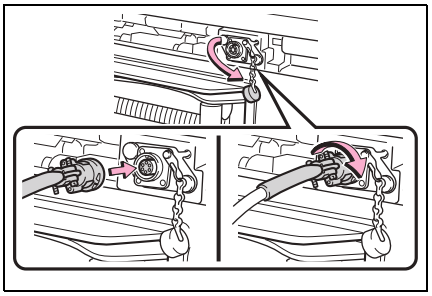
■ Pulling out the cable (with power)

1 Turn the winch clutch lever clockwise to the lock position.



1 Lock
2 Free

2 Remove the dust cap of the remote control terminal and connect the remote control wire plug to the terminal.

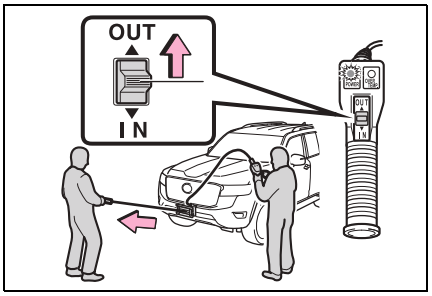


3 When using the winch with the vehicle parked, shift the shift lever to “P” and set the parking brake firmly.

4 Block the front wheels.

5 Start the engine and run it at higher engine rpm than idling.

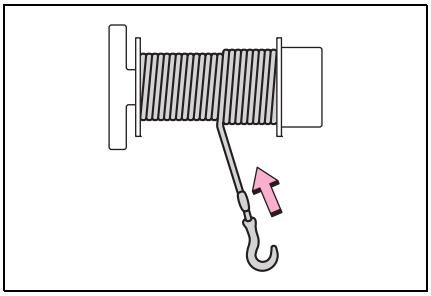
6 Make sure the “POWER” indicator light comes on. Then slide the remote control switch to the “OUT” position.



■ **Rewinding the cable**

Make sure the “POWER” indicator light comes on, then slide the remote control switch to the “IN” position.

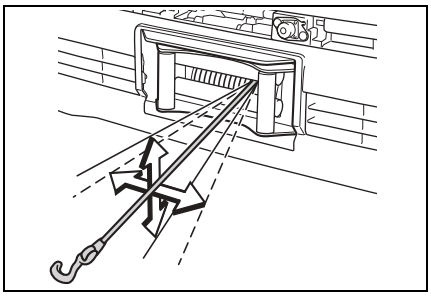
When rewinding, rewind the cable at the angle shown in the illustration to prevent the cable from jamming.



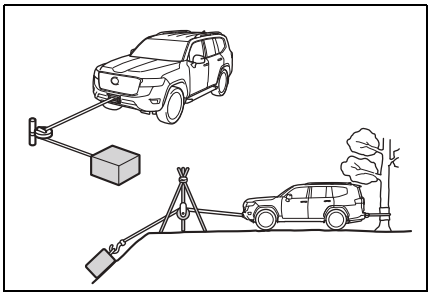
How to use the winch

■ **Range of the winch cable**

The cable should be pulled straight ahead within 15 degrees horizontally and vertically of the center of the winch opening.



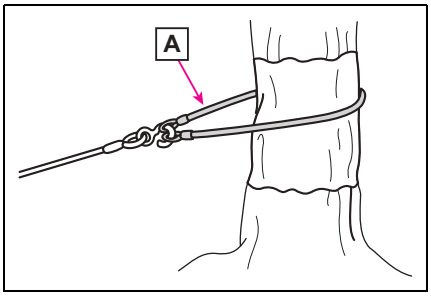
To pull an object that is more than 15 degrees offset from the center of the winch opening, use a block and tackle as shown in the illustration.



■ Attaching the cable

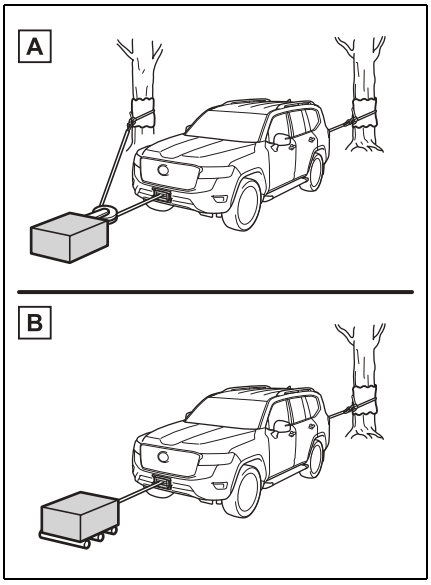
Attach the cable hook securely to the object to be pulled or to a standing tree.

The separate cable A wrapped around the object must be at least as thick as the towing cable, and of sufficient strength.



■ Moving heavy objects

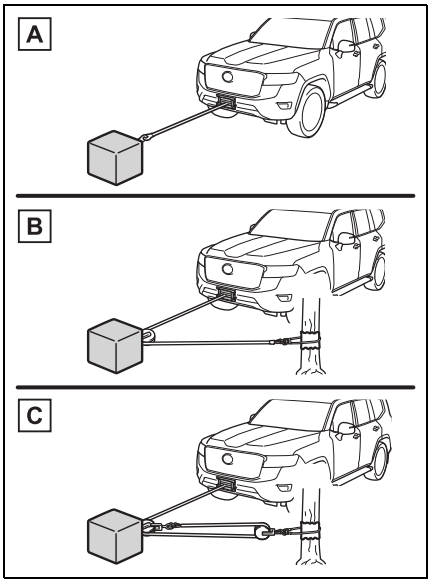
Attach your vehicle to a standing tree that can withstand the load you will apply to it. Using a block, tackle and rollers will make the work easier.



A Using a block and tackle

B Using the rollers

■ How to hook the cable

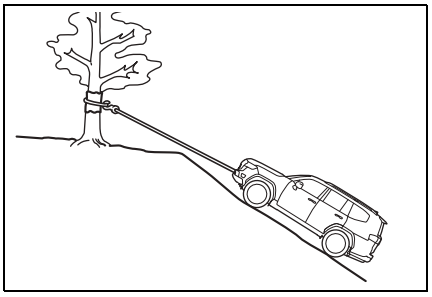


The allowable load is as follows.

Cable	Pulling Force
A Single line	Less than 1000 kg (2204 lb.)
B Double line	Less than 2000 kg (4409 lb.)
C Triple line	Less than 3000 kg (6613 lb.)

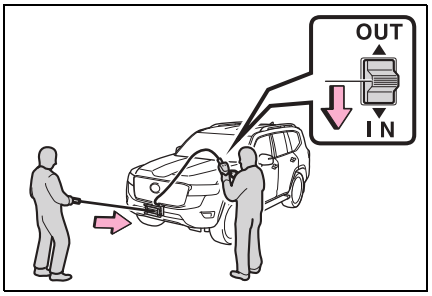
■ **Freeing the vehicle when stuck, or ascending a steep incline**

Attach the cable to a nearby standing tree or another vehicle.

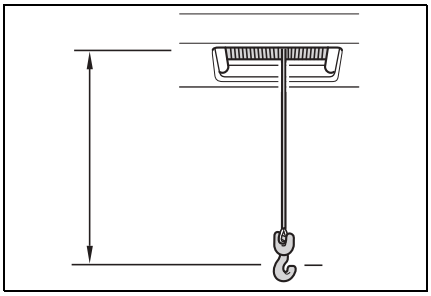


After using the winch

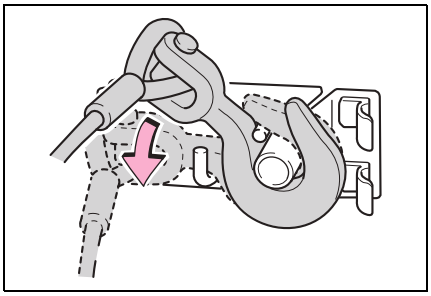
1 With another person holding the hook and pulling it lightly to maintain some tension on the cable, wind the cable one loop at a time starting from the edge of the drum.



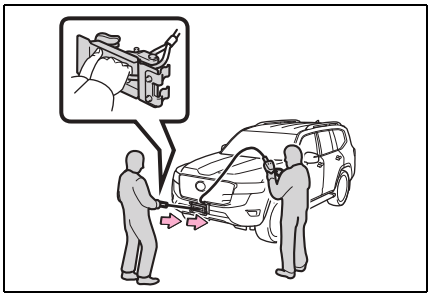
2 Stop the remote control switch when about 1 m (3 ft.) of cable is left.



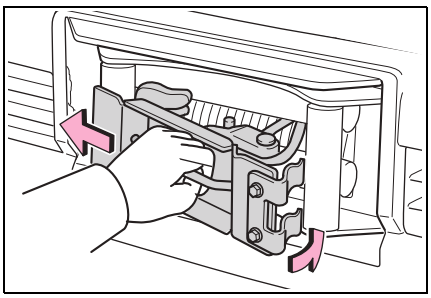
3 Secure the hook in place on the hook holder.



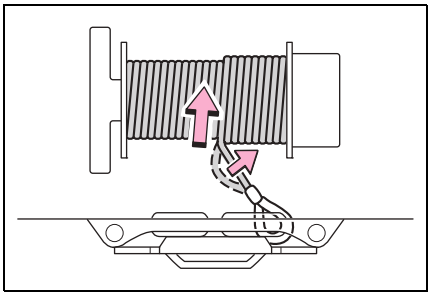
4 Hold the hook holder by the handle and operate the remote control switch intermittently until the cable is almost rewound.



5 Install the hook holder in the winch opening.



6 Rewind the cable so that it is under slight tension.



7 Disconnect the remote control wire plug from the terminal and install the dust cap on the terminal.

8 Put the winch clutch lever and remote control in the storage bag in the glove box.

9 Install the winch cover. (→P.257)

■ When using the electric winch

When first using the winch, some smoke may issue from the motor. This does not indicate a malfunction, and the smoke will disappear gradually while using the winch.

■ When stopping winch operation

Note that the winch drum will not stop immediately when you release the switch.

■ When you attach a separate cable to a standing tree

Use durable cloth or some other covering on the tree surface and take care not to damage it.

⚠ WARNING

■ To avoid accident or injury

- Before and after using the winch, check for:
  - Looseness of the winch installation bolt
  - Wear or rusting of the winch cable
  - Cracks, crushing or shorting of the lead wire of the remote control
- If the cable is deformed, frayed or worn, the cable strength may be dangerously weakened. If the remote control lead wire is shorted, the winch may begin operating without warning. If you detect any abnormality with the winch equipment, do not use the winch, and consult your Toyota dealer.
- Never use the winch to lift or move people, or to lift objects.
- No one other than the operator should stand beside the winch opening, winch cable, winch hook or remote control while the winch is in use or the remote control is attached to the winch.
  Do not rest your hands or feet on the front bumper near the winch opening.
  They may get jammed in the mechanism.
- Do not touch the cable or the hook if the cable is under tension even though the winch is not being used.

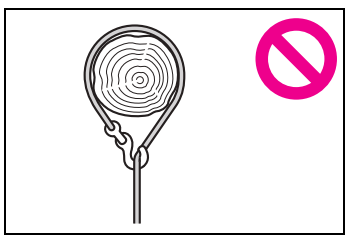
WARNING

- Connect the remote control to the winch only when using the winch. Remove the remote control when the winch is not used.
  Starting the winch unexpectedly by accident: Pressing the remote control switch could cause a serious accident such as crushing your fingers in the winch.
- Apply the parking brake and place the wheel blocks in front of the front wheels when using the winch with your vehicle parked.
- Rewind the cable in the direction shown on the winch assembly. Winding in the opposite direction is dangerous because the brake does not work and the control switch will rewind the cable on the “OUT” side. This could result in a dangerous mistake when operating the remote control switch.
- If you are untangling the cable on the drum, pull out the cable by the hook, then rewind the cable. Do not hold the cable in your hands. However, if you must hold the cable in your hands, first remove the remote control from the winch to prevent unexpected activation of the winch.
- As the cable is wound onto the drum, the speed of the drum gets faster. To avoid injury, take care not to get your hands caught in the winch assembly.
- Make sure to use the hook holder when only approximately 1 m (3 ft.) of cable remains unwound. To avoid injury while rewinding, do not place your hand on the cable guide or hold the hook or cable instead of holding the handle of the hook holder.
- When handling the cable, wear thick gloves, preferably leather. Do not let the cable slide through your hands, as it may burn them or cause abrasions.
- When towing your vehicle using the winch, avoid applying a load suddenly to the towing cable by rocking the vehicle back and forth, as the hook may accidentally come off or the cable may break.
- Do not touch the winch motor surface during and after use of the winch as it may be hot.

NOTICE

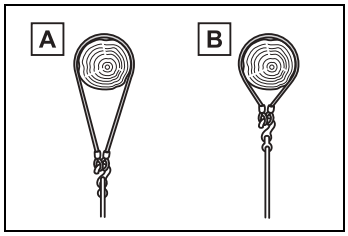
■ To prevent damage to the vehicle or the electric winch

- Do not operate the winch with the hook holder still fixed in place.
- Do not continue operation if the “OVER TEMP” warning light is lit and the warning buzzer sounds.
- Do not pull out all of the cable. Leave at least 5 turns on the winch drum.
- Keep the cable straight ahead, in line with the vehicle. Do not pull anything with the cable offset more than 15 degrees from the center of the winch opening.
- Do not pull a load heavier than 3000 kg (6613 lb.)
- The towing cable may break if wrapped directly around the object.



NOTICE

- The strength of the supplementary cable is weakened as its pulling angle exceeds 90 degrees (pulled horizontally). It may break if it is too short and the pulling angle is greater than 120 degrees.



A Good

B Poor

- Do not wind the cable by hand. Using the winch motor, keep some tension in the cable when winding. If the cable is loosely wound, it could be crushed and damaged when a load is applied.
- Do not continue winding if the cable slips off the drum, as the winch assembly may be damaged.
- Do not leave the remote control switch in the “IN” position. When rewinding is no longer possible (because the object being moved has hit a rock, etc.), turn the remote control switch to off.
- Do not wind the cable too tightly after winding the cable and replacing the hook holder.

■ To prevent battery discharge

- Do not continue operation if the “POWER” indicator light becomes dim and a warning buzzer sounds.
- Do not use the winch continuously for a long period.

■ Remote control

- Avoid knocking the remote control hard against other objects or dropping it.
- Avoid operating the remote control in heavy rain or immersing it in water.
- Do not apply excessive force to the remote control terminal or expose it to water, mud or chemicals, etc.

■ When not in use

Observe the following precautions to prevent damage to the electric winch:

- Put the winch clutch in the lock position.
- Remove the winch clutch lever and remote control from the winch, put it them in the storage bag in the glove box.
- Always put the dust cap back on the terminal.
  Dust and sand etc. in the terminal can result in a poor connection.
- Always install the winch cover to close the winch opening.

Engine (ignition) switch

Performing the following operations when carrying the electronic key on your person starts the engine or changes engine switch modes.

Starting the engine

1 Pull the parking brake switch to check that the parking brake is set. (→P.278)

The parking brake indicator will come on.

2 Check that the shift lever is set in P.

3 Firmly depress the brake pedal.

and a message will be displayed on the multi-information display.

If it is not displayed, the engine cannot be started.

4 Vehicles with fingerprint authentication system and fingerprint authentication system is on: Authenticate by touching the fingerprint sensor on the engine switch using your finger (fingerprint information must have already been registered). (→P.116)

The buzzer will sound (a short beeping sound) if fingerprint authentication is successful.

Fingerprint authentication may fail if you move too quickly or if you slide your finger while pressing.

5 Press the engine switch shortly and firmly.

When the vehicle has a fingerprint authentication system and the fingerprint authentication system is on, the buzzer will sound (a short beeping sound) after fingerprint authentication is successful. Press the engine switch within approximately 5 seconds of this happening. If this is not done quickly enough, fingerprint authentication will need to be performed again.

When operating the engine switch, one short, firm press is enough. It is not necessary to press and hold the switch.

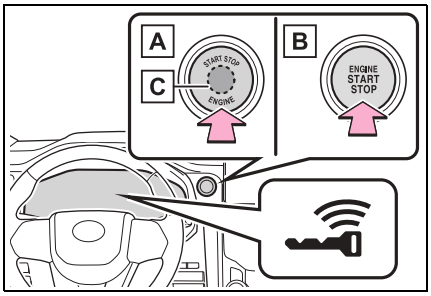
The engine will crank until it starts or for up to 30 seconds, whichever is less.*

Continue depressing the brake pedal until the engine is completely started.

Diesel engine only: (engine preheating indicator) turns on. The engine will start after the indicator light goes out.

The engine can be started from any engine switch mode.

*: For vehicles with diesel engine for Russia only, engine cranking time may be shorter than 30 seconds in extremely low temperatures.



A Vehicles with fingerprint authentication system

B Vehicles without fingerprint authentication system

C Fingerprint sensor

■ **Engine switch illumination**

According to the situation, the engine switch illumination operates as follows:

- When driver's door or front passenger's door is opened, the engine switch illumination illuminates.
- When the engine switch is in OFF and depressing the brake pedal with carrying the electronic key on your person, the engine switch illumination blinks.
- When the engine switch is in ACC or ON, the engine switch illumination illuminates.
- When the engine switch mode is changed from ACC or ON to OFF, the engine switch illumination illuminates for a certain amount of time. Afterwards, the engine switch illumination turns off.

■ **If the engine does not start**

- The engine immobilizer system may not have been deactivated. (→P.110) Contact your Toyota dealer.
- If a message related to start-up is shown on the multi-information display, read the message and follow the instructions.
- If the door is unlocked with the mechanical key, the engine cannot be started using the smart entry & start system. Refer to P.666 to start the engine. However, if the electronic key is carried inside the vehicle and the doors are locked (→P.177), the engine can be started.

■ **If the battery is discharged**

The engine cannot be started using the smart entry & start system. Refer to P.667 to restart the engine.

■ **Fingerprint authentication**

- Fingerprint authentication certification may take some time depending on the amount of registered fingerprint information.
- When touching the fingerprint sensor, ensure that your finger covers the entire surface of the sensor. Touching the sensor with your fingertip or the side of your finger may prevent authentication.
- Touch the sensor slowly. Touching too quickly or strongly, or sliding your finger along the sensor while touching may prevent normal recognition.
- If it is difficult to press the engine switch (for example, if the nail on your finger is too long), first perform fingerprint authentication. Once that has succeeded, release your finger and then press the engine switch with another finger.
- If it is unknown which user registered their fingerprint information, or if fingerprint authentication is not successful, hold the electronic key close to the engine switch while depressing the brake pedal, and then press the engine switch. (→P.666)

■ **Electronic key battery depletion**

→P.170

■ **Conditions affecting operation**

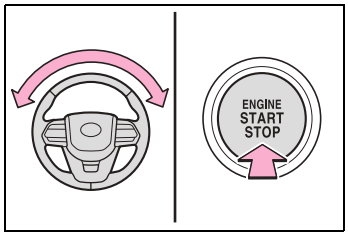
→P.197

■ **Note for the entry function**

→P.198

■ **Steering lock function**

- After turning the engine switch to OFF and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the engine switch again automatically cancels the steering lock.
- When the steering lock cannot be released, "Push Engine Switch while Turning Steering Wheel in Either Direction" will be displayed on the multi-information display.
  Check that the shift lever is set in P. Press the engine switch shortly and firmly while turning the steering wheel left and right.



- To prevent the steering lock motor from overheating, operation of the motor may be suspended if the engine is turned on and off repeatedly in a short period of time. In this case, refrain from running the engine. After about 10 seconds, the steering lock motor will resume functioning.

■ When "Smart Entry & Start System malfunction See owner's manual" is displayed on the multi-information display

The system may be malfunctioning. Have the vehicle inspected by your Toyota dealer immediately.

■ Electronic key battery

→P.616

■ Operation of the engine switch

- If the switch is not pressed shortly and firmly, the engine switch mode may not change or the engine may not start.
- If attempting to restart the engine immediately after turning the engine switch off, the engine may not start in some cases. After turning the engine switch off, please wait a few seconds before restarting the engine.

■ Customization

If the smart entry & start system has been deactivated in a customized setting, refer to P.706.

WARNING

■ When starting the engine

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

■ Caution while driving

If engine failure occurs while the vehicle is moving, do not lock or open the doors until the vehicle reaches a safe and complete stop. Activation of the steering lock in this circumstance may lead to an accident, resulting in death or serious injury.

NOTICE

■ When starting the engine

- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have your vehicle checked by your Toyota dealer immediately.

■ Symptoms indicating a malfunction with the engine switch

If the engine switch seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact your Toyota dealer immediately.

Stopping the engine

1 Stop the vehicle completely.

2 Set the parking brake. (→P.278)

Check the parking brake indicator is illuminated.

3 Shift the shift lever to P. (→P.271)

Do not press the shift release button after shifting the shift lever to P.

4 Press the engine switch.

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

Release the shift lever when pressing the engine switch.

5 Release the brake pedal and check that “ACCESSORY” or “POWER ON” is not shown on the meter.

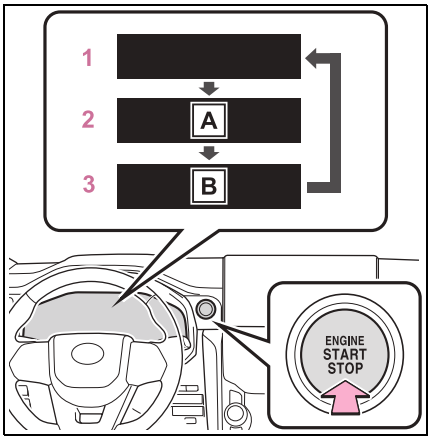
WARNING

■ Stopping the engine in an emergency

- If you want to stop the engine in an emergency while driving the vehicle, press and hold the engine switch for more than 2 seconds, or press it briefly 3 times or more in succession. (→P.628)
  However, do not touch the engine switch while driving except in an emergency. Turning the engine off while driving will not cause loss of steering or braking control. However, power assist for these systems may be lost making it difficult to steer or brake before stopping the vehicle depending on the remaining charge in the battery or usage conditions. In this situation, you should pull over and stop the vehicle as soon as it is safe to do so.
- If the engine switch is operated while the vehicle is running, a warning message will be shown on the multi-information display and a buzzer sounds.
- When restarting the engine after an emergency shutdown, shift the shift lever to N and press the engine switch shortly and firmly.

Changing engine switch modes

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



A “ACCESSORY”

B “POWER ON”

1 OFF*1

The emergency flashers can be used.

The multi-information display will not be displayed.

2 ACC*2

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

3 ON

All electrical components can be used.

*1: If the shift lever is in a position other than P or the shift release button is pressed when turning off the engine, the engine switch will remain ON, will not turn to OFF.

*2: On vehicles with a multimedia sys-

tem, ACC mode can be enabled/disabled on the customize menu. (→P.711)

■ **When ACC customization is in off (vehicles with a multimedia system)**

- With the engine switch is turned off, the multimedia system can still be used for a certain time until the battery saving function starts operating.
- When the safe exit assist is operating, a buzzer will sound and a voice guidance will be given. (Vehicles with safe exit assist)

■ **Auto power off function**

- If the vehicle is left in ACC or ON (the engine is not running) for more than 20 minutes with the shift lever is in P or the shift release button is not pressed, the engine switch will automatically turn to OFF.
- If the battery is low with the shift lever is in P or the shift release button is not pressed, and the engine switch is in ACC or ON (the engine is not running), a buzzer sounds and a message will be displayed on the multi-information display. If this continues, the engine switch is automatically turn to OFF.

However, this function cannot entirely prevent battery discharge. Do not leave the vehicle with the engine switch in ACC or ON for long periods of time when the engine is not running.

NOTICE

■ **To prevent battery discharge**

- Do not leave the engine switch in ACC or ON for long periods of time without the engine running.
- If “ACCESSORY” or “POWER ON” is displayed on the meter, the engine switch is not off. Exit the vehicle after turning the engine switch off.

When stopping the engine with the shift lever in a position other than P

If the engine is stopped when the shift lever is in a position other than P or the shift release button is pressed, the engine switch will not be turned to OFF. Perform the following procedure to turn the switch to OFF:

1. Check that the parking brake is set.
2. Shift the shift lever to P.

Do not press the shift release button after shifting the shift lever to P.

3. Check that “POWER ON” is displayed on the meter and press the engine switch shortly and firmly.
4. Check that “ACCESSORY” or “POWER ON” on the meter is off.

NOTICE

■ **To prevent battery discharge**

Do not stop the engine with the shift lever in a position other than P or the shift release button pressed. If the engine is stopped with the shift lever in a position other than P or the shift release button pressed, the engine switch will not be turned to OFF but instead remain ON. If the vehicle is left in ON, battery discharge may occur.

Automatic transmission (with M mode)

Select the shift position depending on your purpose and situation.

Shift position purpose and functions

Shift position	Objective or function
P	Parking the vehicle/starting the engine
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*1
M	M mode driving*2 (→P.272)

*1: Shifting to the D position allows the system to select a gear suitable for the driving conditions. Setting the shift lever to the D position is recommended for normal driving.

*2: Any gear range can be fixed when driving in M mode.

■ Driving on a downhill

On declines, there may be case where the vehicle shifts down automatically to obtain engine braking. As a result of the downshifting, the engine speed may increase.

■ To protect the automatic transmission

- If the tires spin continually when the vehicle becomes stuck in mud, dirt or snow, or if the accelerator pedal is depressed and released repeatedly while driving, the automatic transmission temperature may become too high and the automatic transmission may be damaged.
  To avoid damaging the automatic transmission, the system may temporarily lock the gear.
  If the automatic transmission temperature falls, the gear locking is canceled and the automatic transmission is returned to the normal operation.
- If the automatic transmission fluid temperature is high, “Transmission Oil Temp. High Stop in a Safe Place and See Owner’s Manual” will be displayed on the multi-information display. Immediately stop the vehicle in a safe place, shift the shift lever to P and wait until the warning message go off. If the warning message goes off, you may start the vehicle again. If the warning message does not go off, contact your Toyota dealer.

■ When driving with dynamic radar cruise control (if equipped) or cruise control (if equipped) activated

Even when switching the driving mode to sport mode*, SPORT S mode* or SPORT S+* mode while driving in D (→P.473) with the intent of enabling engine braking, engine braking will not activate because dynamic radar cruise control or cruise control will not be canceled.

*: If equipped

■ Restraining sudden start (Drive-Start Control)

→P.245

■ AI-SHIFT

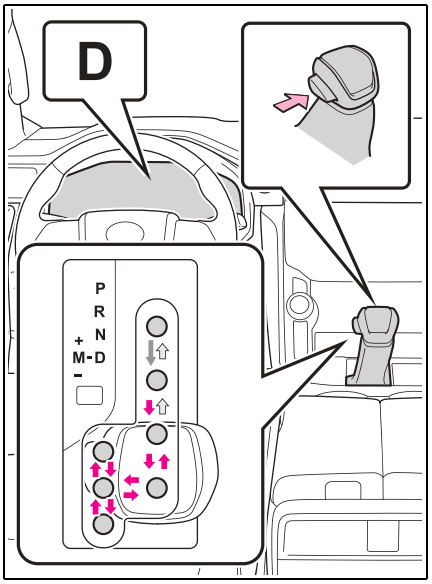
The AI-SHIFT automatically selects the suitable gear according to driver performance and driving conditions.
The AI-SHIFT automatically operates when the shift lever is in D position. (Shifting the shift lever to the M position cancels the function.)

WARNING

■ When driving on slippery road surfaces

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

Shifting the shift lever



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

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

Shift the shift lever normally.

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

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

■ Shift lock system

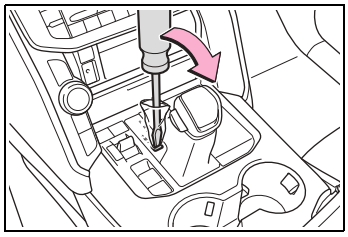
The shift lock system is a system to prevent accidental operation of the shift lever in starting.
The shift lever can be shifted from P only when the engine switch is in ON, the brake pedal is depressed and the shift release button is pushed.

■ If the shift lever cannot be shifted from P

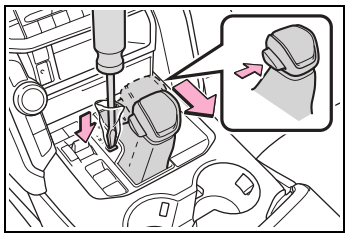
First, check whether the brake pedal is being depressed.
If the shift lever cannot be shifted even though the brake pedal is depressed and the shift release button is pushed, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

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



5 Press and hold the shift lock override button and then push the button on the shift knob.
The shift lever can be shifted while both buttons are pressed.



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

■ Drive mode

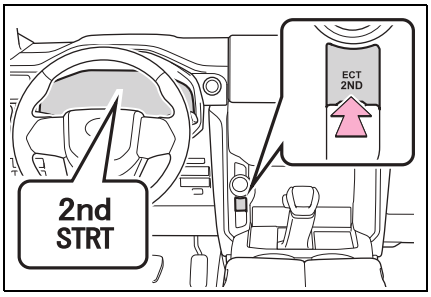
→P.473

■ Second start mode (if equipped)

Use second start mode for accelerating and driving on slippery road surfaces such as snow.

Press the button to use second start mode.

Press the button again to cancel second start mode.

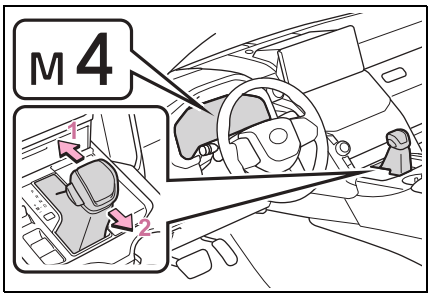


■ Second start mode automatic deactivation

Second start mode is automatically deactivated if the engine is turned off after driving in second start mode.

Selecting gears in M mode

To enter M mode, shift the shift lever to M. Gears can be selected by operating the shift lever, allowing you to drive in the gear of your choosing.



1 Upshifting

2 Downshifting

The gear changes once every time the shift lever is operated.
The selected gear, from M1 to M10, will

be fixed and displayed on the meter.

When in the M position, the gear will not change unless the shift lever is operated.

However, even when in the M position, the gears will be automatically changed in the following situations:

- When vehicle speed drops (downshift only).
- When it is necessary to protect the engine or automatic transmission when the engine coolant temperature is low, the automatic transmission fluid temperature is high or low, or other reasons.

Also, the gear will not shift when the vehicle speed is low, even if an upshift operation is performed.

■ Downshifting restriction warning buzzer

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

■ If the "M" indicator does not come on even after shifting the shift lever to M

This may indicate a malfunction in the automatic transmission system. Have the vehicle inspected by your Toyota dealer immediately.

Automatic transmission (with S mode)

Select the shift position depending on your purpose and situation.

Shift position purpose and functions

Shift position	Objective or function
P	Parking the vehicle/starting the engine
R	Reversing
N	Neutral (Condition in which the power is not transmitted)
D	Normal driving*1
S	S mode driving*2 (→P.276)

*1: Shifting to the D position allows the system to select a gear suitable for the driving conditions. Setting the shift lever to the D position is recommended for normal driving.

*2: Selecting shift ranges using S mode restricts the upper limit of the possible gear ranges, controls engine braking force, and prevents unnecessary upshifting.

■ Driving on a downhill

On declines, there may be case where the vehicle shifts down automatically to obtain engine braking. As a result of the downshifting, the engine speed may increase.

■ **To protect the automatic transmission**

- If the tires spin continually when the vehicle becomes stuck in mud, dirt or snow, or if the accelerator pedal is depressed and released repeatedly while driving, the automatic transmission temperature may become too high and the automatic transmission may be damaged.
  To avoid damaging the automatic transmission, the system may temporarily lock the gear.
  If the automatic transmission temperature falls, the gear locking is canceled and the automatic transmission is returned to the normal operation.
- If the automatic transmission fluid temperature is high, “Transmission Oil Temp. High Stop in a Safe Place and See Owner’s Manual” will be displayed on the multi-information display. Immediately stop the vehicle in a safe place, shift the shift lever to P and wait until the warning message go off. If the warning message go off, you may start the vehicle again. If the warning message do not go off, contact your Toyota dealer.

■ **When driving with dynamic radar cruise control (if equipped) or cruise control (if equipped) activated**

Even when switching the driving mode to power mode while driving in D position (→P.473) with the intent of enabling engine braking, engine braking will not activate because dynamic radar cruise control or cruise control will not be canceled.

■ **Restraining sudden start (Drive-Start Control)**

→P.245

■ **AI-SHIFT**

The AI-SHIFT automatically selects the suitable gear according to driver performance and driving conditions.
The AI-SHIFT automatically operates when the shift lever is in D position.
(Shifting the shift lever to the S position cancels the function.)

■ **Transmission protection function**

If the tires spin continually when the vehicle becomes stuck in mud, dirt or snow, or if the accelerator pedal is depressed and released repeatedly while driving, the automatic transmission temperature may become too high and the automatic transmission may be damaged.

To avoid damaging the automatic transmission, the system may temporarily lock the gear.

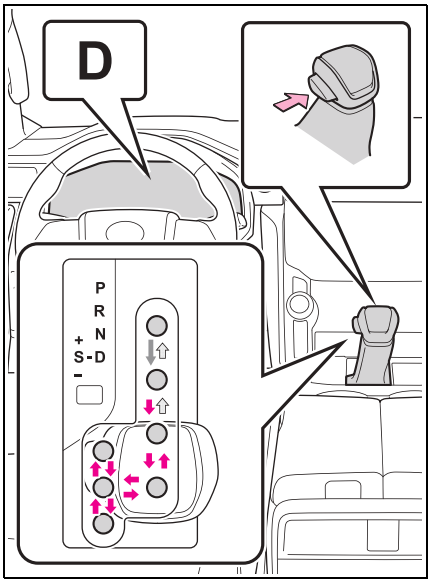
If the automatic transmission temperature falls, the gear locking is canceled and the automatic transmission is returned to the normal operation.

WARNING

■ **When driving on slippery road surfaces**

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

Shifting the shift lever



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

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

Shift the shift lever normally.

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

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

Shift lock system

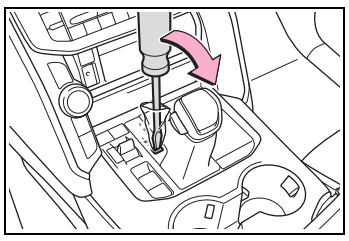
The shift lock system is a system to prevent accidental operation of the shift lever in starting.
The shift lever can be shifted from P only when the engine switch is in ON, the brake pedal is depressed and the shift release button is pushed.

If the shift lever cannot be shifted from P

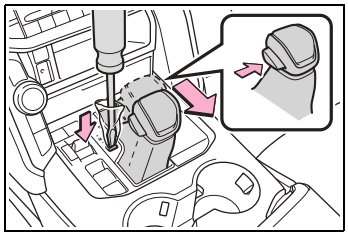
First, check whether the brake pedal is being depressed.
If the shift lever cannot be shifted even though the brake pedal is depressed and the shift release button is pushed, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

Releasing the shift lock:

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



5. Press and hold the shift lock override button and then push the button on the shift knob. The shift lever can be shifted while both buttons are pressed.



WARNING

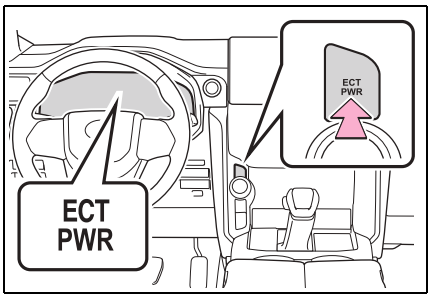
■ To prevent an accident when releasing the shift lock

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 a driving mode

The following patterns can be selected to suit current driving and operating conditions.

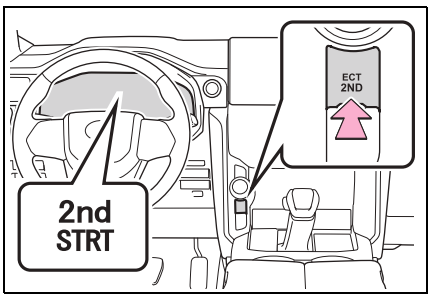
■ Power mode



For powerful acceleration and driving in mountainous regions.

Press the button again to cancel power mode.

■ Second start mode



For starting on slippery road surfaces, such as on snow.

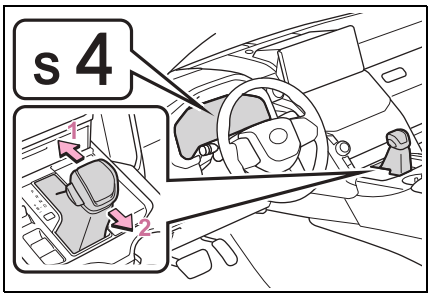
Press the button again to cancel second start mode.

■ Second start mode automatic deactivation

Second start mode is automatically deactivated if the engine is turned off after driving in second start mode.

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 will be displayed in the meter.

The initial shift range in S mode is set automatically to 5 or 4 according to vehicle speed. However, the initial shift range may be set to 3 or 2 if AI-SHIFT has operated while the shift lever was in the D position. (→P.274)

■ 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.
- To protect the automatic transmission, a function is adopted that automatically selects a higher shift range when the fluid temperature is high.
- When the shift range is 5 or lower, holding the shift lever toward "+" sets the shift range to 6.

■ Downshifting restriction warning buzzer

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

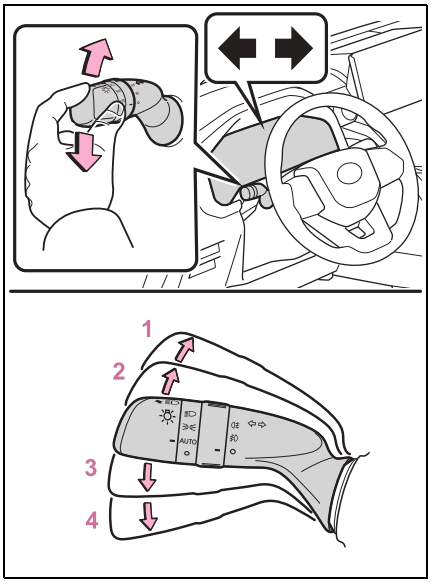
■ If the "S" indicator does not come on even after shifting the shift lever to S

This may indicate a malfunction in the automatic transmission system. Have the vehicle inspected by your Toyota dealer immediately.

Turn signal lever

Operating instructions

The turn signal lever can be used to show the following intentions of the driver:



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 engine switch is in ON.

■ If the indicator flashes faster than usual

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

out.

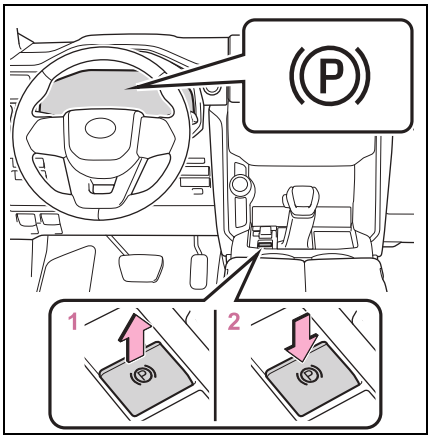
Parking brake

The parking brake can be set or released automatically or manually. In automatic mode, the parking brake can be set or released automatically according to 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.



1 Pull the switch to set the parking brake.

The parking brake indicator light will turn on.

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

2 Press the switch to release the

parking brake.

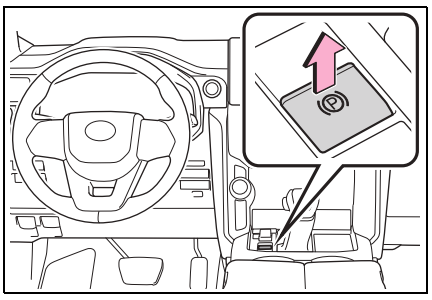
- Operate the parking brake switch while depressing the brake pedal.
- Using the parking brake automatic release function, the parking brake can be released by depressing the accelerator pedal. When using this function, slowly depress the accelerator pedal. (→P.279)

Make sure that the parking brake indicator light turns off.

If the parking brake indicator light flashes, operate the switch again. (→P.642)

■ Turning the automatic mode on

While the vehicle is stopped, pull and hold the parking brake switch until a buzzer sounds and a message is shown on the multi-information display.



When the automatic mode is turned on, the parking brake operates as follows.

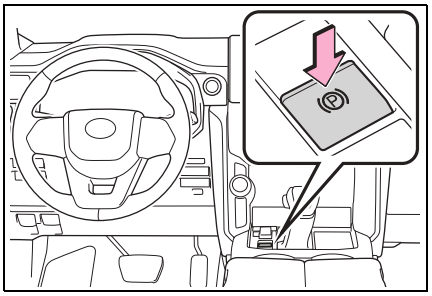
- When the shift lever is shifted from P, the parking brake will be released, and the parking brake indicator light will turn off.
- When the shift lever is shifted to P, the parking brake will be set, and the parking brake indicator light will turn on.

Operate the shift lever with the vehicle stopped and the brake pedal depressed.

The auto function may not operate if the shift lever is moved extremely quickly or the brake pedal is not firmly depressed. In this situation, apply the parking brake manually. (→P.278)

■ Turning the automatic mode off

While the vehicle is stopped and depressing the brake pedal, press and hold the parking brake switch until a buzzer sounds and a message is shown on the multi-information display.



■ Parking brake operation

- When the engine switch is not in ON, the parking brake cannot be released using the parking brake switch.
- When the engine switch is not in ON, automatic mode (automatic brake setting and releasing) is not available.

■ Parking brake automatic release function

When all of the following conditions are met, the parking brake can be released

by depressing the accelerator pedal.

- The driver's door is closed
- The driver is wearing the seat belt
- The shift lever is in a forward driving position or reverse driving position.
- The malfunction indicator lamp or brake system warning light is not illuminated

When depressing the accelerator pedal, depress it slowly.

If the parking brake is not released when the accelerator pedal is depressed, release the parking brake manually.

When the shift lever is shifted from P, the parking brake will be released automatically.

■ Parking brake automatic lock function

The parking brake will be set automatically under the following conditions:

- The brake pedal is not depressed
- The driver's door is open
- The driver's seat belt is not fastened
- The shift lever is in a position other than P or N
- The malfunction indicator lamp and brake system warning light are not illuminated

■ If "Parking Brake Temporarily Unavailable" is displayed on the multi-information display

If the parking brake is operated repeatedly over a short period of time, the system may restrict operation to prevent overheating. If this happens, refrain from operating the parking brake. Normal operation will return after about 1 minute.

■ If "Parking Brake Unavailable" is displayed on the multi-information display

Operate the parking brake switch. If the message does not disappear after operating the switch several times, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

■ Parking brake operation sound

When the parking brake operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ Parking brake indicator light

- Depending on the engine switch mode, the parking brake indicator light will turn on and stay on as described below:
  ON: Comes on until the parking brake is released.
  Not in ON: Stays on for approximately 15 seconds.
- When the engine switch is turned OFF with the parking brake set, the parking brake indicator 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.239

■ 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 (with the vehicle reaching a speed of 5 km/h [3 mph]).

■ If the brake system warning light comes on

→P.636

■ Usage in winter time

→P.504

WARNING

■ When parking the vehicle

Do not leave a child in the vehicle alone. The parking brake may be released unintentionally by a child 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.

■ Parking brake automatic lock function

Never use the automatic parking brake engagement function in place of normal parking brake operation. This function is designed to reduce the risk of a collision due to the driver forgetting to engage the parking brake. Over-reliance on this function to park the vehicle safely may lead to an accident resulting in death or serious injury.

NOTICE

■ When parking the vehicle

Before you leave the vehicle, shift the shift lever to P, set the parking brake and make sure that the vehicle does not move.

■ When the system malfunctions

Stop the vehicle in a safe place and check the warning messages.

■ When the vehicle battery is discharged

The parking brake system cannot be activated. (→P.667)

■ 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

▶ Automatic transmission (with M mode)

The brake hold system keeps the brake applied when the shift lever is in D, M, N or P with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in D or M to allow smooth start off.

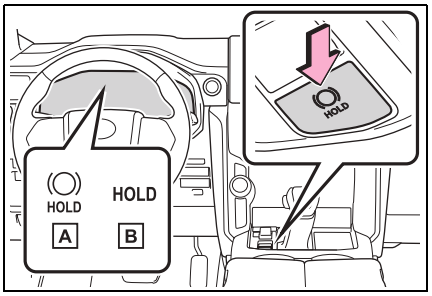
▶ Automatic transmission (with S mode)

The brake hold system keeps the brake applied when the shift lever is in D, S, N or P 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.
- "Parking Brake Unavailable" or "Parking Brake Malfunction Visit Your Dealer" is displayed on the multi-information display.

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 do not wish for the parking brake to operate automatically, press and hold the brake hold switch until the standby indicator (green) turns off, and then turn the engine switch off.

■ 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.278)

■ 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.

■ When another control activates with the brake hold system

A message is displayed on the multi-information display in any of the following cases.

- "Brake Hold Unavailable See the Owner's Manual"
  - When the brake hold switch is pressed while the downhill assist control system is activated.
  - When the brake hold switch is pressed while the four-wheel drive control switch is turned to L4 mode.
- "Brake Hold Unavailable Press Brake to Deactive"
  - When the DAC/CRAWL switch is operated while the brake hold system is activated.
  - When the four-wheel drive control switch is turned to L4 mode while the brake hold system is activated.

The brake hold system and downhill assist control system or transfer L4 mode cannot be activated at the same time.

Please press the brake hold switch with the brake pedal depressed to turn off the brake hold system.

■ If the brake hold operated indicator flashes

→P.642

⚠ WARNING

■ When the vehicle is on a steep incline

Take care when using the brake hold system on a steep incline, exercise caution. The brake hold function may not hold brakes in such situations.

Also, the system may not activate depending on the angle of the slope.

WARNING

■ When stopped on a slippery road

The system cannot stop the vehicle when the gripping ability of the tires has been exceeded. Do not use the system when stopped on a slippery road.

NOTICE

■ When parking the vehicle

The brake hold system is not designed for use when parking the vehicle for a long period of time. Turning the engine switch off while the system is holding the brake may release the brake, which would cause the vehicle to move. When operating the engine switch, depress the brake pedal, shift the shift lever to P and set the parking brake.

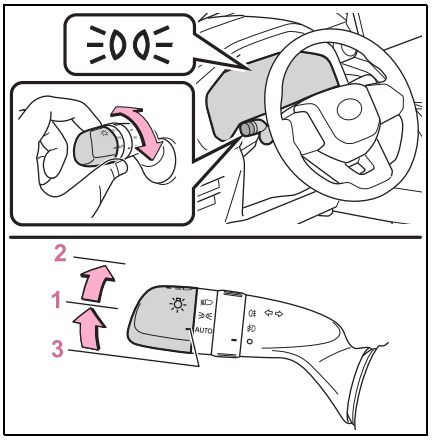
Headlight switch

The headlights can be operated manually or automatically.

Turning on the headlights

Operating the switch turns on the lights as follows:

▶ Type A

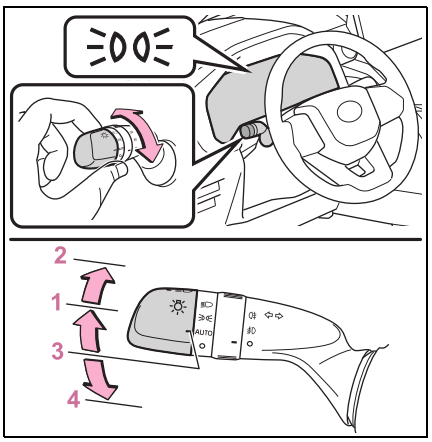


1 The front position, tail, license plate and instrument panel lights turn on.

2 The headlights and all lights listed above turn on.

3 AUTO The headlights, daytime running lights (→P.285) and all lights listed above turn on and off automatically.

▶ Type B



1 The front position, tail, license plate and instrument panel lights turn on.

2 The headlights and all lights listed above turn on.

3 AUTO The headlights, daytime running lights (→P.285) and all lights listed above turn on and off automatically.

4 O The daytime running lights turn off. (→P.285)

On some models: The daytime running lights turn on. (→P.285)

■ AUTO mode can be used when

The engine switch is in ON.

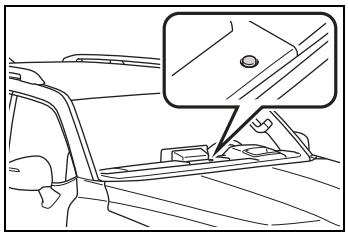
■ Daytime running light system

To make your vehicle more visible to other drivers during daytime driving, the daytime running lights turn on automatically whenever the engine is started and the parking brake is released with the headlight switch in the O or AUTO position. (Illuminate brighter than the

front position lights.) Daytime running lights are not designed for use at night.

■ **Headlight control sensor**

The sensor may not function properly if an object is placed on the sensor, or anything that blocks the sensor is affixed to the windshield. Doing so interferes with the sensor detecting the level of ambient light and may cause the automatic headlight system to malfunction.



■ **Automatic light off system**

▶ Type A

The lights turn off after the engine switch is turned to ACC or OFF.

To turn the lights on again, turn the engine switch to ON, or turn the light switch to O or AUTO position once and then back to ≡D or ≡O position.

▶ Type B

- When the light switch is in ≡D or ≡O position: The headlights and front fog lights turn off after the engine switch is turned to ACC or OFF.
- When the light switch is in AUTO position: The headlights and all lights turn off after the engine switch is turned to ACC or OFF.

To turn the lights on again, turn the engine switch to ON, or turn the light switch to O or AUTO position once and then back to ≡D or ≡O position.

■ **Light reminder buzzer**

A buzzer sounds when the engine switch is turned to ACC or OFF and the driver's door is opened while the lights are turned on.

■ **Automatic headlight leveling system (if equipped)**

The level of the headlights is automatically adjusted according to the number of passengers and the loading condition of the vehicle to ensure that the headlights do not interfere with other road users.

■ **Battery-saving function**

In order to prevent the battery of the vehicle from discharging, if the headlights and/or tail lights are on when the engine switch is turned off the battery saving function will operate and automatically turn off all the lights after approximately 20 minutes. When the engine switch is turned to ON, the battery- saving function will be disabled.

When any of the following are performed, the battery-saving function is canceled once and then reactivated. All the lights will turn off automatically 20 minutes after the battery-saving function has been reactivated:

- When the headlight switch is operated
- When a door is opened or closed

■ **When unlocking the doors (welcome lamp) (if equipped)**

The front position lights automatically turn on when the surroundings are dark and the doors are unlocked using the entry function or wireless remote control if the light switch is in the AUTO position.

■ **Customization**

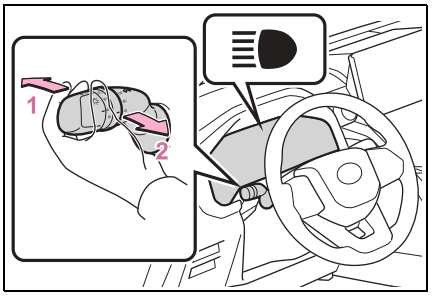
Settings (e.g. light sensor sensitivity) can be changed.
(Customizable features: →P.711)

NOTICE

■ To prevent battery discharge

Do not leave the lights on longer than necessary when the engine is not running.

Turning on the high beam headlights



1 With the headlights on, push the lever forward to turn on the high beams.

Pull the lever back to the center position to turn the high beams off.

2 Pull the lever toward you and release it to flash the high beams once.

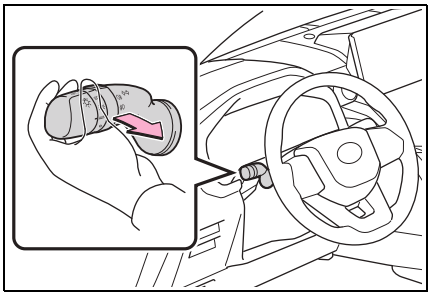
You can flash the high beams with the headlights on or off.

Extended Headlight Lighting (if equipped)

This system allows the headlights to be turned on for 30 seconds when the engine switch is turned to OFF.

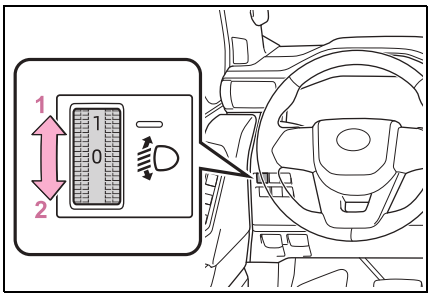
Pull the lever toward you and release it with the light switch is in the AUTO position after turning the engine switch to OFF.

Pull the lever toward you and release it again to turn off the lights.



Manual headlight leveling dial (if equipped)

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

▶ Except for vehicles with model code* that has “V” as the last letter.

*: The model code is indicated on the manufacturer’s label or the Certifica-

4 Driving

tion Regulation label. (→P.683)

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
Driver only, or driver and one passenger in the front seat	None	0
Driver, front passenger and all passengers in the rear seats farthest to the rear	None	1
All seats occupied	None	1[*1] 1.5[*2]
All seats occupied	Full luggage loading	2.5[*4] 3[*5]
Driver	Full luggage loading	3[*6, 7] 3.5[*8, 9]

[*1]: For vehicles with model code[*3] that has “W” as the last letter

[*2]: Except for vehicles with model code[*3] that has “W” as the last letter

[*3]: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

[*4]: FJA300L-GNUAY and FJA300L-GMUAYW models[*3] with sub fuel tank system, and FJA300L-GMUGYW model[*3]

[*5]: FJA300L-GNUAY and FJA300L-GMUAYW models[*3] without sub fuel tank system, and FJA300L-GNUGY, FJA300R-GNUAY, VJA300R-GNUAZ and VJA300L-GMUAZW models[*3]

[*6]: FJA300L-GNUAY model[*3] with sub fuel tank system, and VJA300R-GNUAZ models[*3]

[*7]: Except for EURO V models[*10] of FJA300R-GNUAY model[*3] with sub fuel tank system, and for EURO V models[*10] of FJA300R-GNUAY model[*3] with sub fuel tank system and 18 or 20-inch tires

[*8]: FJA300L-GNUAY and FJA300R-GNUAY models[*3] without sub fuel tank system, and FJA300L-GNUGY, FJA300L-GMUAYW, FJA300L-GMUGYW and VJA300L-GMUAZW models[*3]

[*9]: EURO V models[*10] of FJA300R-GNUAY model[*3] with sub fuel tank system and 17-inch tires

[*10]: EURO V is an emission standard. If it is not clear that your vehicle meets relevant standards, contact your Toyota dealer.

▶ For vehicles with model code[*] that has “V” as the last letter.

[*]: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
Driver only, or driver and one passenger in the front seat	None	0
Driver, front passenger and all passengers in the rear seats farthest to the rear	None	1
All seats occupied	None	1[*1] 1.5[*2]
All seats occupied	Full luggage loading	2[*4] 2.5[*5]
Driver	Full luggage loading	2.5[*6] 3[*7]

[*1]: FJA300L-GMUGYV model[*3]

[*2]: Except FJA300L-GMUGYV model[*3]

[*3]: The model code is indicated on the manufacturer's label or the Certification Regulation label. (→P.683)

[*4]: GRJ300L-GNTAKV model[*3] with electric winch, and FJA300L-GNUAYV model[*3]

[*5]: Except GRJ300L-GNTAKV model[*3] with electric winch, and FJA300L-GNUAYV model[*3]

[*6]: Except FJA300L-GMUGYV, VJA300L-GNUGZV, GRJ300L-GNTAKV and GRJ300L-GNTGKV models[*3]

[*7]: FJA300L-GMUGYV, VJA300L-GNUGZV, GRJ300L-GNTAKV and GRJ300L-GNTGKV models[*3]

Cornering lights (if equipped)

When any of the following conditions is met, while the headlights (low beam) are on, the cornering lights will additionally turn on and light up the direction of movement for the vehicle. This is to ensure excellent visibility when either driving at intersections or parking at night.

- The steering wheel is operated
- The turn signal lever is operated
- The shift lever is in R (both left and right side cornering lights)

■ Cornering light control

- The lights illuminate when the vehicle speed is approximately 30 km/h (19 mph) or less. However, the lights turn off when the vehicle speed increases to approximately 35 km/h (22 mph) or more.
- After the lights remain illuminated for 30 minutes, they automatically turn off.

AHS (Adaptive High-beam System)*

*: If equipped

The Adaptive High-beam System uses a front camera located on the upper portion of the windshield to detect the brightness of the lights of vehicles ahead, streetlights, etc., and automatically controls the light distribution of the headlights.

WARNING

■ For safe use

Do not overly rely on the Adaptive High-beam System. Always drive safely, taking care to observe your surroundings and turning the high beams on or off manually if necessary.

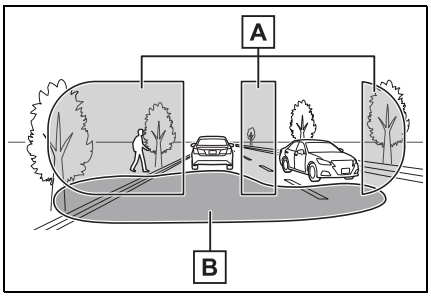
■ To prevent unintentional operation of the Adaptive High-beam System

● When it is necessary to disable the system: →P.306

System controls

- According to the vehicle speed, the brightness and illuminated area of the high beams are adjusted.
- When driving around a curve, the system uses the high beams to brightly illuminate the direction of travel of the vehicle.
- The high beams are illuminated so that the area around a vehicle ahead is shaded. (Shaded high beam)

The shaded high beam helps ensure forward visibility while reducing the dazzling effect on the drivers of vehicles ahead.



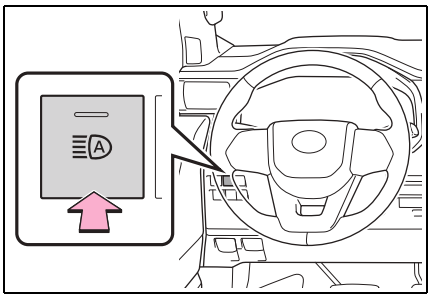
A Area illuminated by the high beams

B Area illuminated by the low beams

- According to the distance to a preceding vehicle, the illuminated area of the low beams is adjusted.

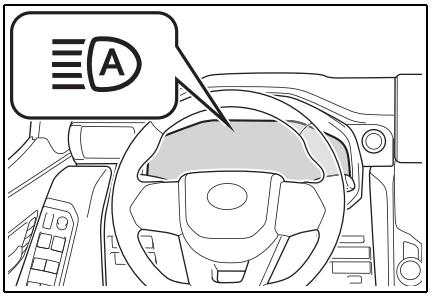
Using the Adaptive High-beam System

1 Press the Adaptive High-beam System switch.



2 Turn the headlight switch to the AUTO or position.

When the headlight switch lever is in the low beam position, the AHS will be enabled and the AHS indicator will illuminate.



■ **System operating conditions**

● When all of the following conditions are met, the high beams will illuminate and the system will operate:
- The vehicle speed is approximately 15 km/h (9 mph) or more*
- The area ahead of the vehicle is dark.

*: When driving around a curve at a vehicle speed of approximately 30 km/h or more, the direction of travel of the vehicle will be brightly illuminated.

● When all of the following conditions are met, the headlights will change to the shaded high beams according to the position of vehicles ahead:
- The vehicle speed is approximately 15 km/h (9 mph) or more.
- The area ahead of the vehicle is dark.
- There is a vehicle ahead with lights on.
- There are few streetlights or other lights on the road ahead.

● If any of the following conditions are met, the system will change to the low beams:
- The vehicle speed is approximately 12 km/h (7.5 mph) or lower.
- The area ahead of the vehicle is not dark.
- There are many vehicles ahead.
- There are many streetlights or other lights on the road ahead.

■ **Front camera detection**

● In the following situations, the high beams may not be automatically changed to the shaded high beams:
- When a vehicle cuts in front of your vehicle
- When another vehicle crosses in front of the vehicle
- When vehicles ahead are repeatedly detected and then hidden due to repeated curves, road dividers or roadside trees
- When a vehicle ahead approaches from a far lane
- When a vehicle ahead is far away
- When a vehicle ahead has no lights
- When the lights of a vehicle ahead are dim
- When a vehicle ahead is reflecting strong light, such as the headlights of your vehicle
- Situations in which the sensors may not operate properly: →P.311

● The high beams may change to the shaded high beams 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 shaded high beams, cause the high beams not to change to the shaded high beams, or change the area that is not illuminated.

● The following may change the speed at which the shaded areas change or the timing at which the headlights change to the low beams:
- The brightness of lights of vehicles ahead
- The movement and direction of vehicles ahead
- The distance between the vehicle and a vehicle ahead
- When a vehicle ahead only has lights illuminated 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

● The light distribution control of the headlights may not match the driver's expectations

● Bicycles and other small vehicles may not be detected.

● In the following situations, the system may not be able to correctly detect the brightness of the surroundings. 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 change between the high beams and low beams.

- When there are lights similar to headlights or tail lights in the surrounding area
- When headlights or tail lights of vehicles ahead are turned off, dirty, changing color, or not aimed properly
- When the headlights are repeatedly changing between the high beams and low beams.
- When use of the high beams is inappropriate or when 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
- When it is necessary to disable the system: →P.306
- Situations in which the sensors may not operate properly: →P.311

■ Customization

The settings of some functions can be changed. (→P.700)

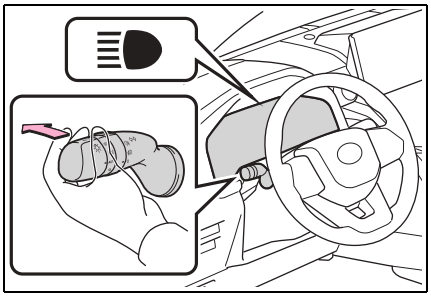
Turning the high beams on/off manually

■ Changing to the high beams

Push the lever forward.

The AHS indicator will turn off and the high beam indicator will turn on.

Pull the lever to its original position to enable the Adaptive High-beam System again.

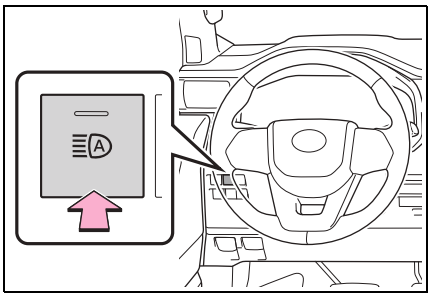


■ Changing to the low beams

Press the Adaptive High-beam System switch.

The AHS indicator will turn off.

Press the switch to enable the Adaptive High-beam System again.



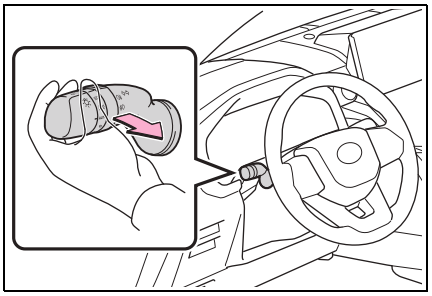
Temporarily changing to the low beams

It is recommended to switch to the

low beams when use of the high beams is inappropriate or when the high beams may cause problems or distress to other drivers or pedestrians nearby.

Pull the lever rearward and then return it to its original position.

The high beams will illuminate while the lever is pulled, however, after the lever is returned to its original position, the low beams will remain on for a certain amount of time. After this, the Adaptive High-beam System will operate.



AHB (Automatic High Beam)*

*: If equipped

The Automatic High Beam uses a front camera located on the upper portion of the windshield to detect the brightness of the lights of vehicles ahead, streetlights, etc., and automatically changes the headlights between the high beams and low beams.

WARNING

■ For safe use

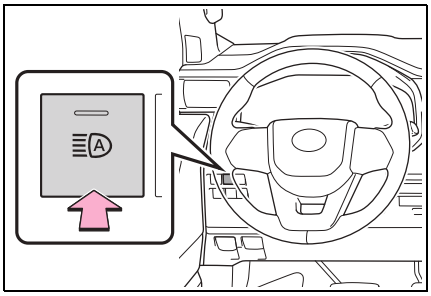
Do not overly rely on the Automatic High Beam. Always drive safely, taking care to observe your surroundings and turning the high beams on or off manually if necessary.

■ To prevent unintentional operation of the Automatic High Beam System

- When it is necessary to disable the system: →P.306

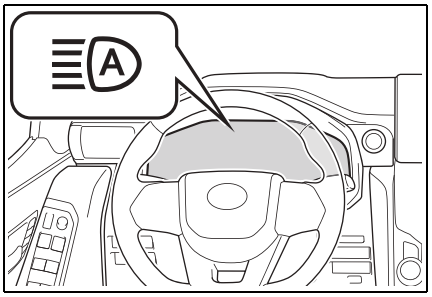
Using the Automatic High Beam system

1 Press the Automatic High Beam switch.



2 Turn the headlight switch to the AUTO or position.

When the headlight switch lever is in the low beam position, the AHB system will be enabled and the AHB indicator will illuminate.



■ **Automatic operating conditions of the high beams**

● When all of the following conditions are met, the high beams will illuminate automatically:
- 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 lights on.
- There are few streetlights or other lights on the road ahead.

● If any of the following conditions are met, the headlights will change to the low beams:
- Vehicle speed drops below approximately 25 km/h (16 mph).
- The area ahead of the vehicle is not dark.
- There is a vehicle ahead with lights on.
- There are many streetlights or other lights on the road ahead.

■ **Front camera detection**

● In the following situations, the high beams may not be automatically changed to the low beams:
- When a vehicle cuts in front of your vehicle
- When another vehicle crosses in front of the vehicle
- When vehicles ahead are repeatedly detected and then hidden due to repeated curves, road dividers or roadside trees
- When a vehicle ahead approaches from a far lane
- When a vehicle ahead is far away
- When a vehicle ahead has no lights
- When the lights of a vehicle ahead are dim
- When a vehicle ahead is reflecting strong light, such as own headlights
- Situations in which the sensors may not operate properly: →P.311

● The headlights may change to the low beams 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 may cause the high beams to change to the low beams, or the low beams to remain on.

● The following may change the timing at which the headlights change to the low beams:
- The brightness of lights of vehicles ahead
- The movement and direction of vehicles ahead
- The distance between the vehicle and a vehicle ahead
- When a vehicle ahead only has lights illuminated 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

● The headlights may change between the high beams and low beams unexpectedly.

● Bicycles and other small vehicles may not be detected.

● In the following situations, the system may not be able to correctly detect the brightness of the surroundings. 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 change between the high beams and low beams.
- When there are lights similar to headlights or tail lights in the surrounding area
- When headlights or tail lights of vehicles ahead are turned off, dirty, changing color, or not aimed properly
- When the headlights are repeatedly changing between the high beams and low beams.
- When use of the high beams is inappropriate or when 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
- When it is necessary to disable the system: →P.306
- Situations in which the sensors may not operate properly: →P.311

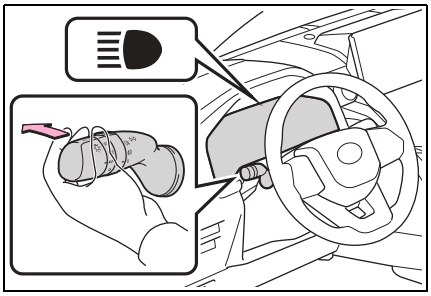
Turning the high beams on/off manually

■ Changing to the high beams

Push the lever forward.

The AHB indicator will turn off and the high beam indicator will turn on.

Pull the lever to its original position to enable the Automatic High Beam system again.

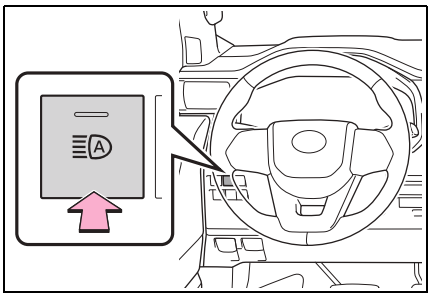


■ Changing to the low beams

Press the Automatic High Beam switch.

The AHB indicator will turn off.

Press the switch to enable the Automatic High Beam system again.



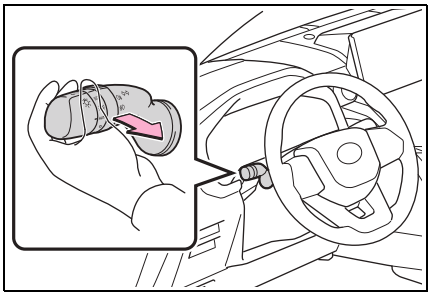
Temporarily changing to the low beams

It is recommended to switch to the low beams when use of the high beams is inappropriate or when the high beams may cause problems or distress to other drivers or pedestrians nearby.

Pull the lever rearward and then return it to its original position.

The high beams will illuminate while the lever is pulled, however, after the lever is returned to its original position, the low beams will remain on for a certain

amount of time. After this, the Automatic High Beam system will operate.



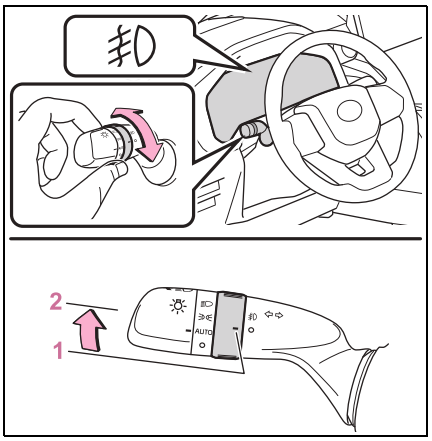
Fog light switch*

*: If equipped

The fog lights offer improved visibility in difficult driving conditions, such as in rain and fog.

Operating procedure

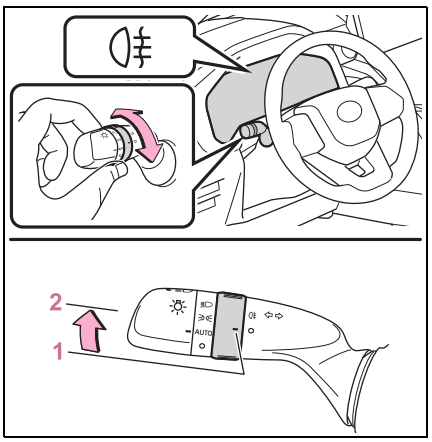
■ **Front fog light switch**



1 O Off

2 Front fog lights on

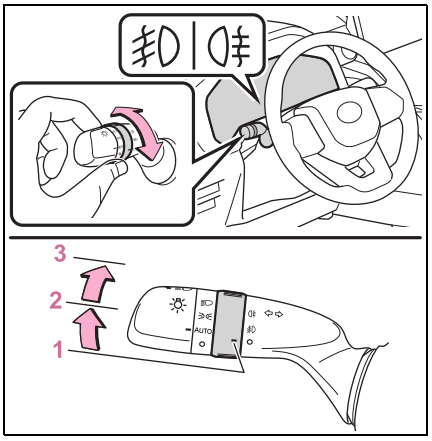
■ **Rear fog light switch**



1 O Off

2 Rear fog lights on

■ **Front and rear fog light switch**



1 O Off

2 Front fog lights on

3 Front and rear fog lights on

Releasing the switch ring returns it to .

Operating the switch ring again turns only the rear fog lights off.

■ **Fog lights can be used when**

▶ Vehicles with front fog lights

The front position lights are turned on.

▶ Vehicles with rear fog lights only

The headlights are turned on.

▶ Vehicles with a front and rear fog lights

Front fog lights: The 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

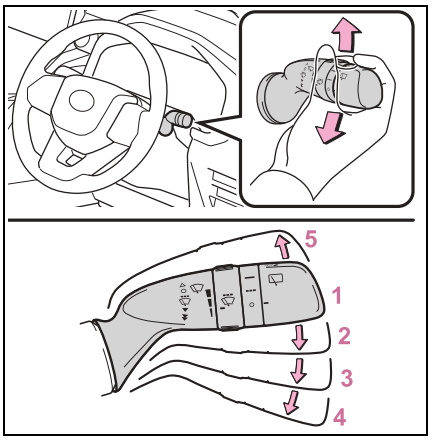
■ When the windshield is dry

Do not use the wipers, as they may damage the windshield.

Operating the wiper lever

Operating the lever operates the wipers or washer as follows:

▶ Intermittent windshield wipers



1 Off

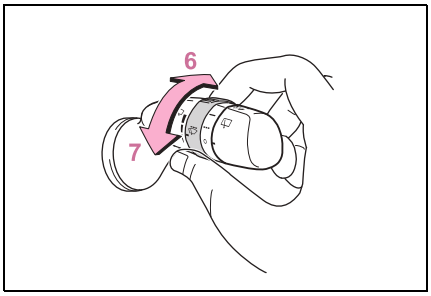
2 Intermittent operation

3 Low speed operation

4 High speed operation

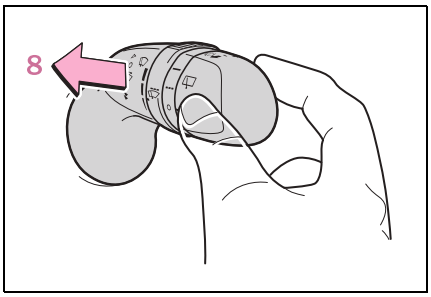
5 Temporary operation

If equipped, wiper intervals can be adjusted when intermittent operation is selected.



6 Increases the intermittent windshield wiper frequency

7 Decreases the intermittent windshield wiper frequency



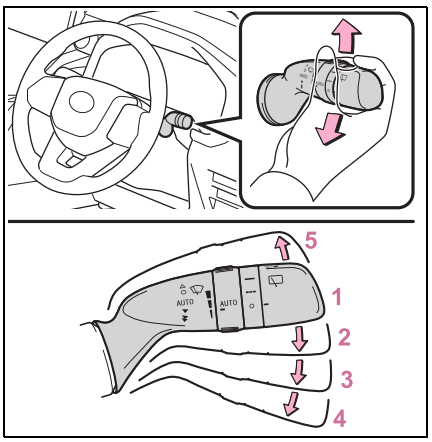
8 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

After operating several times, the wipers operate one more time after a short delay to prevent dripping.

Vehicles with headlight cleaners: When the engine switch is in ON and the headlights are on, if the lever is pulled, the headlight cleaners will operate once. After this, the headlight cleaners will operate every 5th time the lever is pulled.

▶ Rain-sensing windshield wipers



1 ○ Off

2 AUTO Rain-sensing operation

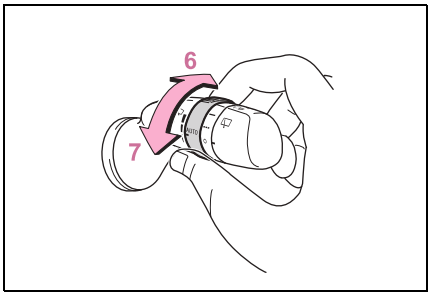
3 ▼ Low speed operation

4 ▼▼ High speed operation

5 △ Temporary operation

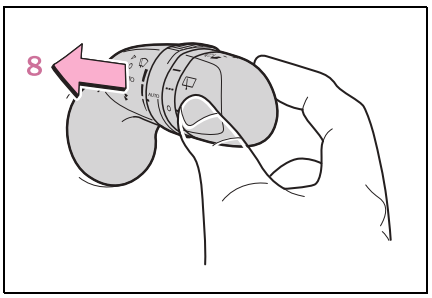
When AUTO is selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.

The sensor sensitivity can be adjusted when AUTO is selected.



6 Increases the sensitivity

7 Decreases the sensitivity



8 Washer/wiper dual operation

Pulling the lever operates the wipers and washer.

After operating several times, the wipers operate one more time after a short delay to prevent dripping.

Vehicles with headlight cleaners: When the engine switch is in ON and the headlights are on, if the lever is pulled, the headlight cleaners will operate once. After this, the headlight cleaners will operate every 5th time the lever is pulled.

■ The windshield wiper and washer can be operated when

The engine switch is in ON.

■ Effects of vehicle speed on wiper operation

▶ Vehicles with intermittent windshield wipers

With low speed windshield wiper operation selected, wiper operation will be switched from low speed to intermittent wiper operation when the vehicle is stationary. (However, when the wiper intervals are adjusted to the highest level, the mode will not switch.)

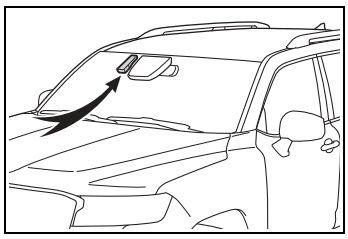
▶ Vehicles with rain-sensing windshield wipers

With low speed windshield wiper operation selected, wiper operation will be switched from low speed to intermittent wiper operation when the vehicle is stationary. (However, when the sensor sensitivity is adjusted to the highest level, the mode will not switch.)

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 engine 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 mode, 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 -30°C (22°F) or lower, automatic operation may not occur. In this case, operate the wipers in any mode other than AUTO .

If no windshield washer fluid sprays

Check that the washer nozzles are not blocked if there is washer fluid in the windshield washer fluid reservoir.

Washer nozzle heaters (if equipped)

The washer nozzle heaters operate when the outside temperature is 5°C (41°F) or less and the engine switch is in ON.

WARNING

Caution regarding the use of windshield wipers in AUTO mode (vehicles with rain-sensing windshield wipers)

The windshield wipers may operate unexpectedly if the sensor is touched or the windshield is subject to vibration in AUTO mode. Take care that your fingers or anything else does 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.

When the washer nozzle heaters are operating (if equipped)

Do not touch the area around the washer nozzle heaters, as they can become very hot and burn you.

NOTICE

When there is no washer fluid spray from the nozzle

Damage to the washer fluid pump may be caused if the lever is pulled toward you and held continually.

NOTICE

■ **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.

■ **To prevent battery discharge**

Do not leave the wiper on longer than necessary when the engine is off.

Rear window wiper and washer

The rear window wiper and washer can be used by operating the lever.

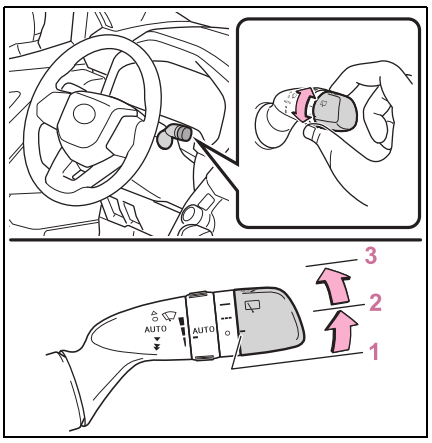
NOTICE

■ **When the rear window is dry**

Do not use the wiper, as it may damage the rear window.

Operating the wiper lever

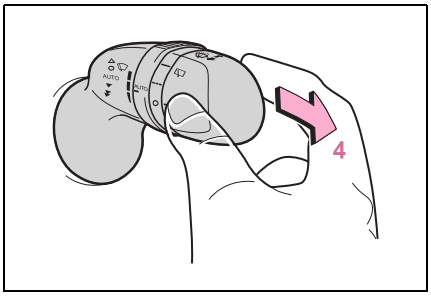
Operating the switch operates the rear window wiper as follows:



1 ○ Off

2 - - - Intermittent operation

3 — Normal operation



4 Washer/wiper dual operation

Pushing the lever operates the wiper and washer.

Vehicles with camera cleaning washer: The washer will automatically operate and clean the camera for the Toyota parking assist monitor*1, 2 or the rear camera for the Multi-terrain Monitor*1 (→P.462).

*1: If equipped

*2: Refer to “Multimedia Owner’s Manual”.

■ The rear window wiper and washer can be operated when

The engine 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 reservoir.

■ Dripping prevention wiper sweep

When the washer is operated, the wipers will operate once more time after a short delay to prevent dripping.

■ Back door opening linked rear window wiper stop function*

*: The setting must be customized at your Toyota dealer.

When the rear window wiper is operating, if the back door is opened while the vehicle is stopped, operation of the rear window wiper will be stopped to prevent anyone near the vehicle from being sprayed by water from the wiper. When the back door is closed, wiper operation will resume.

■ Customization

Settings can be changed. (Customizable features: →P.711)

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.

■ To prevent battery discharge

Do not leave the wiper on longer than necessary when the engine is off.

Opening the fuel tank cap

Perform the following steps to open the fuel tank cap:

Before refueling the vehicle

- Turn the engine switch off and ensure that all the doors and windows are closed.
- Confirm the type of fuel.

■ Fuel types

→P.698

■ 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:

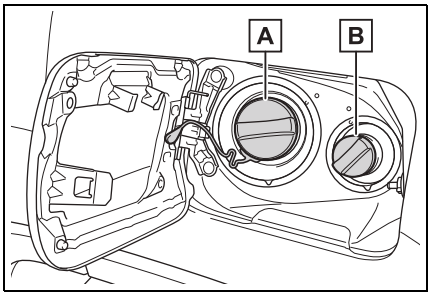
- Securely insert the fuel nozzle into the fuel filler neck.
- Stop filling the tank after the fuel nozzle automatically clicks off.
- Do not top off the fuel tank.

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.
- Vehicles with DPF system: Use the specified fuel. If fuel other than the specified fuel is used, white smoke may be continuously emitted from the exhaust pipe during regenerating the filter. (→P.491)

Location of the fuel tank cap

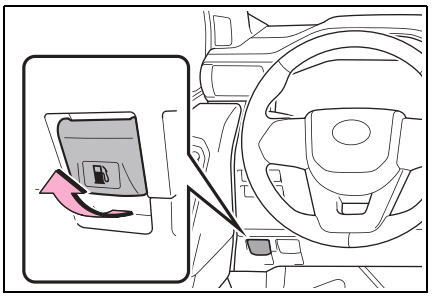


A Fuel tank cap

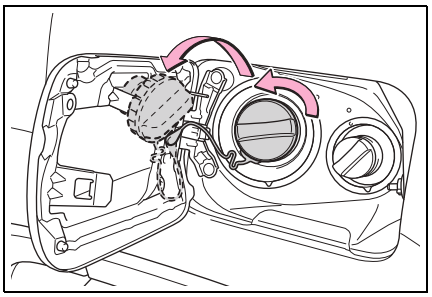
B AdBlue™ tank cap (if equipped) (→P.596)

Opening the fuel tank cap

1 Pull the lever.

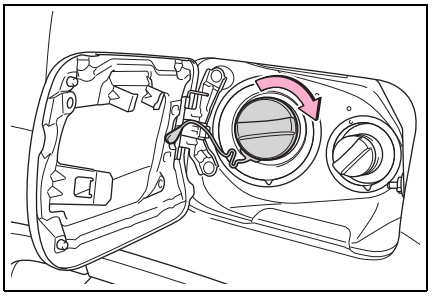


2 Turn the fuel tank cap slowly to open it and put it into the holder on the fuel filler door.



Closing the fuel tank cap

After refueling, turn the fuel tank cap until you hear a click. Once the cap is released, it will turn slightly in the opposite direction.



WARNING

■ When replacing the fuel tank cap

Do not use anything but a genuine Toyota fuel tank cap designed for your vehicle. Doing so may cause a fire or other incident which may result in death or serious injury.

Toyota Safety Sense*

*: If equipped

The Toyota Safety Sense consists of the driving assist systems and contributes to a safe and comfortable driving experience:

WARNING

■ Toyota Safety Sense

The Toyota Safety Sense operates under the assumption that the driver will drive safely, and is designed to help reduce the impact to the occupants in a collision and assist the driver under 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 solely responsible for paying attention to the vehicle's surroundings and driving safely.

■ For safe use

- Do not overly rely on this system. The driver is solely responsible for paying attention to the vehicle's surroundings and driving safely. This system may not operate in all situations and provided assistance is limited. Over-reliance on this system to drive the vehicle safely may lead to an accident resulting in death or serious injury.
- Do not attempt to test the operation of the system, as it may not operate properly, possibly leading to an accident.
- If attention is necessary while performing driving operations or a system malfunction occurs, a warning message or warning buzzer will be operated. If a warning message is displayed on the display, follow the instructions displayed.
- Depending on external noise, the volume of the audio system, etc. it may be difficult to hear the warning buzzer. Also, depending on the road conditions, it may be difficult to recognize the operation of the system.

■ When it is necessary to disable the system

In the following situations, make sure to disable the system.

Failure to do so may lead to the system not operating properly, possibly leading to an accident resulting in death or serious injury.

- When the vehicle is tilted due to being overloaded or having a flat tire
- When driving at extremely high speeds
- When towing another vehicle
- When the vehicle is being transported by a truck, ship, train, etc.
- When the vehicle is raised on a lift 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 the vehicle is driven in a sporty manner or off-road
- When using an automatic car wash

WARNING

- When a sensor is misaligned or deformed due to a strong impact being applied to the sensor or the area around the sensor
- When accessories which obstruct a sensor or light are temporarily installed to the vehicle
- When a compact spare tire or tire chains are installed to the vehicle or an emergency tire puncture repair kit has been used
- When the tires are excessively worn or the inflation pressure of the tires is low
- When tires other than the manufacturer specified size are installed
- When the vehicle cannot be driven stably, due to a collision, malfunction, etc.

Driving assist systems

■ **AHS (Adaptive High-beam System)***

→P.290

■ **AHB (Automatic High Beam)**

→P.293

■ **PCS (Pre-Collision System)**

→P.312

■ **LTA (Lane Tracing Assist)***

→P.325

■ **LDA (Lane Departure Alert)**

→P.330

■ **RSA (Road Sign Assist)***

→P.335

■ **Dynamic radar cruise control**

→P.339

■ **Cruise control**

→P.350

■ **Emergency Driving Stop System***

→P.356

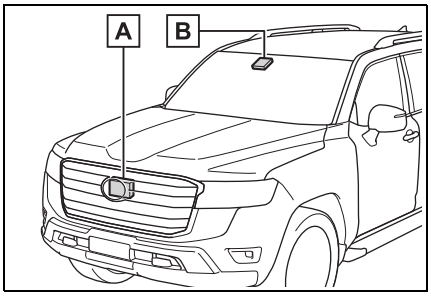
*: If equipped

Sensors used by Toyota Safety Sense

Various sensors are used to obtain the necessary information for system operation.

■ **Sensors which detect the surrounding conditions**

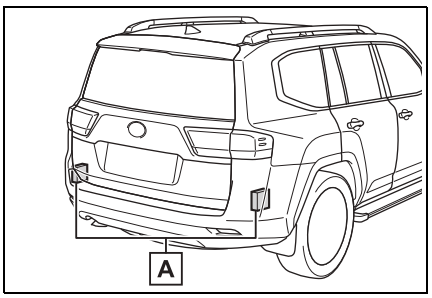
▶ Front



A Front radar sensor

B Front camera

▶ Rear



A Rear side radar sensors*

*: If equipped

WARNING

■ **To prevent malfunction of the radar sensors**

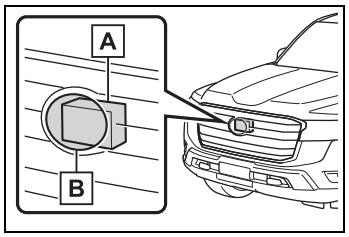
Observe the following precautions.

Failure to do so may lead to a radar sensor not operating properly, possibly leading to an accident resulting in death or serious injury.

- Keep the radar sensors and radar sensor covers clean at all times.

Clean the front of a radar sensor or the front or back of a radar sensor cover if it is dirty or covered with water droplets, snow, etc.

When cleaning the radar sensor and radar sensor cover, use a soft cloth to remove dirt so as to not damage them.



A Radar sensor

B Radar sensor cover

- Do not attach accessories, stickers (including transparent stickers), aluminum tape, etc. to a radar sensor or radar sensor cover and their surrounding area.
- Do not subject a radar sensor or its surrounding area to impact.

If a radar sensor, the front grille, or front bumper has been subjected to a impact, have the vehicle inspected by your Toyota dealer.

- Do not disassemble the radar sensors.
- Do not modify or paint the radar sensors or radar sensor cover, or replace them with anything other than Toyota genuine parts.
- In the following situations, recalibration of the radar sensors will be necessary. For details, contact your Toyota dealer.

WARNING

- When a radar sensor is removed and installed, or replaced
- When the front bumper or the front grille has been replaced

■ To prevent malfunction of the front camera

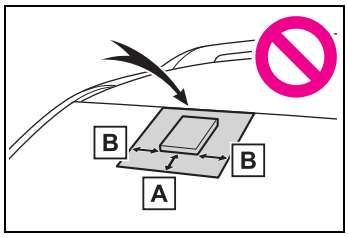
Observe the following precautions.

Failure to do so may lead to the front camera not operating properly, possibly leading to an accident resulting in death or serious injury.

● Always keep the windshield clean.

- If the windshield is dirty or covered with an oily film, water droplets, snow, etc., clean the windshield.
- Even if a glass coating agent is applied to the windshield, it will still be necessary to use the windshield wipers to remove water droplets, etc. from the area of the windshield in front of the front camera.
- If the inner side of the windshield where the front camera is installed is dirty, contact your Toyota dealer.

● Do not attach stickers (including transparent stickers) or other items to the area of the windshield in front of the front camera (shaded area in the illustration).



A Approximately 4 cm (1.6 in.)

B Approximately 4 cm (1.6 in.)

● 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.

● 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.

If the windshield has been replaced, recalibration of the front camera will be necessary. For details, contact your Toyota dealer.

● Do not allow liquids to contact the front camera.

● Do not allow bright lights to shine into the front camera.

● Do not damage the lens of the front camera or allow it to become dirty.

When cleaning the inside of the windshield, do not allow glass cleaner to contact the lens of the front camera. Do not touch the lens of the front camera.

If the lens of the front camera is dirty or damaged, contact your Toyota dealer.

● Do not subject the front camera to a strong impact.

● Do not change the position or orientation of the front camera or remove it.

● Do not disassemble the front camera.

WARNING

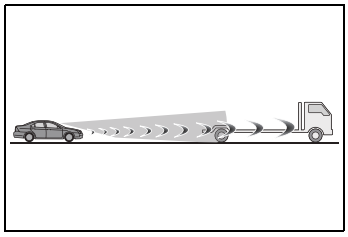
- Do not modify any parts around the front camera, such as the inside rear view mirror or ceiling.
- Do not attach accessories which may obstruct the front camera to the hood, front grille, or front bumper. For details, contact your Toyota dealer.
- If a surfboard or other long object is to be mounted on the roof, make sure that it will not obstruct the front camera.
- Do not modify or change the headlights and other lights.

Front camera installation area on the windshield

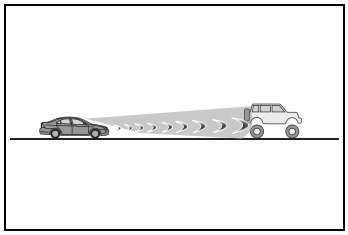
If the system determines that the windshield may be fogged up, it will automatically operate the heater to defog the part of the windshield around the front camera. When cleaning, etc., be careful not to touch the area around the front camera until the windshield has cooled sufficiently, as touching it may cause burns.

Situations in which the sensors and the systems may not operate properly

- When the height or inclination of the vehicle has been changed due to modifications
- When the windshield is dirty, fogged up, cracked or damaged
- When the ambient temperature is high or low
- When mud, water, snow, dead insects, foreign matter, etc., is attached to the front of the sensor
- When in inclement weather such as heavy rain, fog, snow, or a sandstorm
- When water, snow, dust, etc. is thrown up in front of the vehicle, or when driving through mist or smoke
- When the headlights are not illuminated while driving in the dark, such as at night or when in a tunnel
- When the lens of a headlight is dirty and illumination is weak
- When the headlights are misaligned
- When a headlight is malfunctioning
- When the headlights of another vehicle, sunlight, or reflected light shines directly into the front camera
- When the brightness of the surrounding area changes suddenly
- When driving near a TV tower, broadcasting station, electric power plant, radar equipped vehicles, etc., or other location where strong radio waves or electrical noise may be present
- When a wiper blade is blocking the front camera
- When in a location or near objects which strongly reflect radio waves, such as the following:
  - Tunnels
  - Truss bridges
  - Gravel roads
  - Rutted, snow-covered roads
  - Walls
  - Large trucks
  - Manhole covers
  - Guardrail
  - Metal plates
- When near a step or protrusion
- When a detectable vehicle is narrow, such as a small mobility vehicle
- When a detectable vehicle has a small front or rear end, such as an unloaded truck
- When a detectable vehicle has a low front or rear end, such as a low bed trailer



- When a detectable vehicle has extremely high ground clearance



- When a detectable vehicle is carrying a load which protrudes from its cargo area
- When a detectable vehicle has little exposed metal, such as a vehicle which is partially covered with cloth, etc.
- When a detectable vehicle is irregularly shaped, such as a tractor, sidecar, etc.
- When the distance between the vehicle and a detectable vehicle has become extremely short
- When a detectable vehicle is at an angle
- When snow, mud, etc. is attached to a detectable vehicle
- When driving on the following kinds of roads:
  - Roads with sharp curves or winding roads
  - Roads with changes in grade, such as sudden inclines or declines
  - Roads which is sloped to the left or right
  - Roads with deep ruts
  - Roads which are rough and unmaintained
  - Roads which frequently undulate or are bumpy
- When the steering wheel is being operated frequently or suddenly
- When the vehicle is not in a constant position within a lane
- When parts related to this system, the brakes, etc. are cold or extremely hot, wet, etc.
- When the wheels are misaligned
- When driving on slick road surfaces, such as when it is covered with ice, snow, gravel, etc.
- When the course of the vehicle differs from the shape of a curve
- When the vehicle speed is excessively high when entering a curve
- When entering/exiting a parking lot, garage, car elevator, etc.
- When driving in a parking lot
- When driving through an area where there are obstructions which may contact your vehicle, such as tall grass, tree branches, a curtain, etc.
- When driving in strong wind

■ Situations in which the lane may not be detected

- When the lane is extremely wide or narrow
- Immediately after changing lanes or passing through an intersection
- When driving in a temporary lane or lane regulated by construction
- When there are structures, patterns, shadows which are similar to lane lines in the surrounding
- When there are multiple white lines for a lane line
- When the lane lines are not clear or driving on a wet road surface
- When a lane line is on a curb
- When driving on a bright, reflective road surface, such as concrete

■ **Situations in which some or all of the functions of the system cannot operate**

- When a malfunction is detected in this system or a related system, such as the brakes, steering, etc.
- When the VSC, Active TRC, or other safety related system is operating
- When the VSC, Active TRC, or other safety related system is off

■ **Changes in brake operation sound and pedal response**

- When the brakes have been operated, brake operation sounds may be heard and the brake pedal response may change, but this does not indicate a malfunction.
- When the system is operating, the brake pedal may feel stiffer than expected or sink. In either situation the brake pedal can be depressed further. Further depress the brake pedal as necessary.

PCS (Pre-Collision System)*

*: If equipped

The pre-collision system uses sensors to detect objects (→P.313) in the path of the vehicle. When the system determines that the possibility of a frontal collision with a detectable 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 collision 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.324)

Available functions differ depending on the country/area. For details, check the detectable objects and functions list.

WARNING

■ **For safe use**

- Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving.

Never use the pre-collision system in place of normal braking operations. This system cannot help avoid or reduce the impact of a collision in every situation. Over-reliance on this system to drive the vehicle safely may lead to an accident resulting in death or serious injury.

- Although the pre-collision system is designed to help avoid or help reduce the impact of a collision, its effectiveness may change according to various conditions. Therefore, it may not always be able to achieve the same level of performance.

Read the following items carefully. Do not overly rely on this system and always drive carefully.

• For safe use: →P.306

■ **When to disable the pre-collision system**

- When it is necessary to disable the system: →P.306

Detectable objects and available functions

The system can detect the following as detectable objects. (Detectable objects differ depending on the function.)

PCS version	Detectable objects	Function availability	Countries/areas
1	• Vehicles • Bicycles[*1] • Pedestrians • Motorcycles[*1] • Walls	The pre-collision warning, pre-collision brake assist, pre-collision braking, emergency steering assist, intersection collision avoidance support, low speed sudden acceleration suppression function, suspension control[*3]	Brunei, GCC countries[*2], South Africa, New Caledonia, Ukraine, Kazakhstan, Russia, Moldova, Belarus, Kyrgyzstan, Azerbaijan, Georgia, Armenia
2	• Vehicles • Bicycles[*1] • Pedestrians • Motorcycles[*1]	The pre-collision warning, pre-collision brake assist, pre-collision braking, suspension control[*3]	Belize, Costa Rica, Dominican Republic, Guatemala, Haiti, Honduras, Nicaragua, Panama, Trinidad &Tobago, Bahama, Jamaica, Barbados, Antigua, St. Lucia, St.Vincent, St.Kitts, Bolivia, Colombia, Ecuador, Guyana, Aruba, Curacao, Suriname, Paraguay, St.Maarten, Egypt, Iraq, Jordan, Lebanon, Yemen, Myanmar, Cambodia, Lao People's Democratic Republic, Vietnam, Philippines, Argentina, Montserrat, Indonesia, Mongolia, El Salvador
3	Vehicles	The pre-collision warning, pre-collision brake assist, pre-collision braking, suspension control[*3]	India

[*1]: Detected as a detectable object only when being ridden.

[*2]: Saudi Arabia, Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

[*3]: If equipped

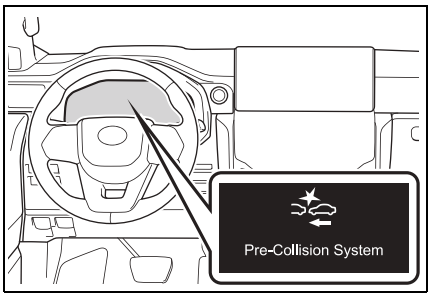
The countries and areas for each region listed in the table are current as of November 2024. However, depending on when the vehicle was sold, the countries and areas of each region may be different. Contact your Toyota dealer for details.

System functions

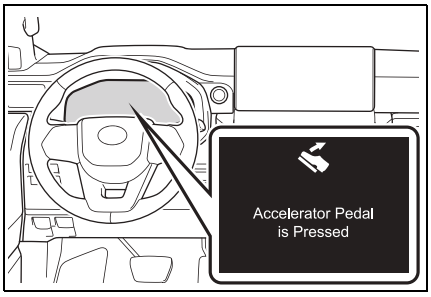
■ Pre-collision warning

When the system determines that the possibility of a collision is high, a buzzer will sound and an icon and warning message will be displayed on the multi-information display to urge the driver to take evasive action.

If the detectable object is a vehicle, there may be cases where moderate braking will be performed with the warning. (This function is not available in PCS version 3.)



If the system determines that the accelerator pedal is strongly depressed, the following icon and message will be displayed on the multi-information display.



■ Pre-collision brake assist

If the system determines that the possibility of a collision is high and the brake operation by the driver is insufficient, the braking power will be increased.

■ Pre-collision brake control

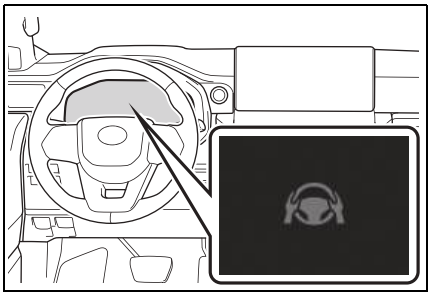
If the system determines that the possibility of a collision is extremely high, the brakes are automatically applied to help avoid the collision or reduce the impact of the collision.

■ Emergency steering assist

If the system determines that the following conditions are met, assistance will be provided to help enhance vehicle stability and prevent lane departure. During assistance, in addition to the pre-collision warning, the following icon will be displayed on the multi-information display.

- The possibility of a collision is high
- There is sufficient space within the lane to perform evasive steering maneuvers
- The driver is operating the steering wheel

During assistance, the pre-collision warning will operate and a message will be displayed to warn the driver.

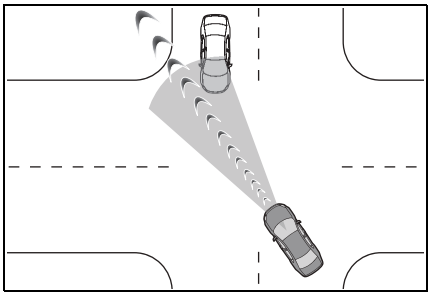


■ Intersection collision avoidance support (left/right turn)

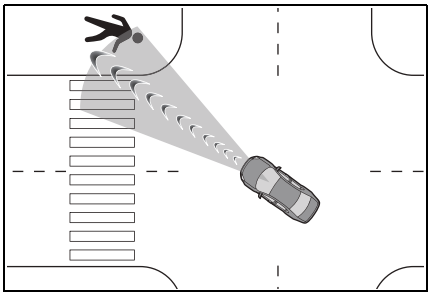
In situations such as the following, if the system determines that the possibility of a collision is high, the pre-collision warning and pre-collision braking will operate.

Depending on the intersection, assistance may not operate correctly.

- When turning left/right at an intersection and crossing the path of an oncoming vehicle



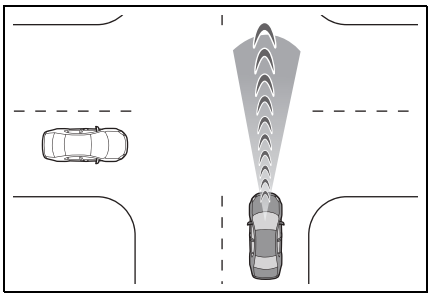
- When turning left/right and a pedestrian or bicycle is detected



■ Intersection collision avoidance support (crossing vehicles)

At an intersection, etc., if the system determines that the possibility of a collision with an approaching vehicle or motorcycle is high, the pre-collision warning and pre-collision braking will operate.

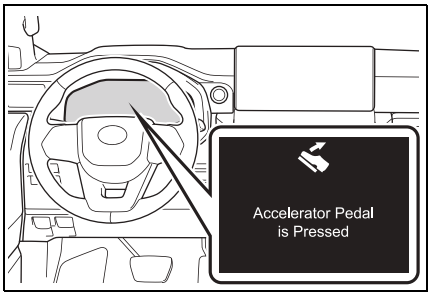
Depending on the intersection, assistance may not operate correctly.



■ Acceleration Suppression at Low Speed

When driving at a low speed, if the accelerator pedal is strongly depressed and the system determines that there is a possibility of a collision, engine output will be restrained or the brakes will be applied weakly to restrict accelera-

tion. During operation, a buzzer will sound and the following icon and message will be displayed on the multi-information display.



Suspension control (if equipped)

When the system determines that the possibility of a collision is high, the AVS (→P.495) controls the damping force of the shock absorbers to help maintain an appropriate vehicle posture.

WARNING

Pre-collision braking

- When the pre-collision braking function is operating, a large amount of braking force will be applied.
- The pre-collision braking function is not designed to hold the vehicle stopped. If the vehicle is stopped by pre-collision brake control, the driver should operate the brakes immediately 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.
- 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 brake control.

Acceleration Suppression at Low Speed

If the steering wheel is being turned, the system may determine that the driver is taking evasive action and possibly prevent the Acceleration Suppression at Low Speed function from operating or possibly causing its operation to be canceled.

Emergency steering assist

- The emergency steering assist will be canceled when the system determines that lane departure prevention control has completed.
- Depending on operations performed by the driver, emergency steering assist may not operate or operation may be canceled.
  - If the accelerator pedal is depressed strongly, the steering wheel is turned heavily, the brake pedal is depressed, or the turn signal lever is operated, the system may determine that the driver is taking evasive action and the emergency steering assist may not operate.

WARNING

- While the emergency steering assist is operating, if the accelerator pedal is depressed strongly, the steering wheel is turned heavily, or the brake pedal is depressed, the system may determine that the driver is taking evasive action and emergency steering assist operation may be canceled.
- While the emergency steering assist is operating, if the steering wheel is held or turned in the opposite direction of system operation, emergency steering assist operation will be canceled.

Operating conditions of each function of the pre-collision system

The pre-collision system is enabled and the system determines that the possibility of a frontal collision with a detected object is high.

However, the system will not operate in the following situations:

- When the vehicle has not been driven a certain amount after a terminal of the battery has been disconnected and reconnected
- When the shift lever is in R
- When the VSC OFF indicator is illuminated (only the pre-collision warning function will be operational)

The following are the operational speeds and cancelation conditions of each function:

- Pre-collision warning

PCS version	Detectable objects	Vehicle speed	Relative speed between your vehicle and object
1/2	Preceding vehicles, stopped vehicles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 180 km/h (3 to 110 mph)
3	Preceding vehicles, stopped vehicles	Approximately 10 to 180 km/h (7 to 110 mph)	Approximately 10 to 180 km/h (7 to 110 mph)
1	Oncoming vehicles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 80 to 220 km/h (50 to 130 mph)
1/2	Bicycles	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
1/2	Pedestrians	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)

PCS version	Detectable objects	Vehicle speed	Relative speed between your vehicle and object
1	Preceding motorcycles, stopped motorcycles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
2	Preceding motorcycles, stopped motorcycles	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
1	Oncoming motorcycles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 30 to 180 km/h (20 to 110 mph)

While the pre-collision warning is operating, if the steering wheel is operated heavily or suddenly, the pre-collision warning may be cancelled.

● Pre-collision brake assist

PCS version	Detectable objects	Vehicle speed	Relative speed between your vehicle and object
1/2/3	Preceding vehicles, stopped vehicles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 10 to 180 km/h (7 to 110 mph)
1/2	Bicycles	Approximately 30 to 80 km/h (20 to 50 mph)	Approximately 30 to 80 km/h (20 to 50 mph)
1/2	Pedestrians	Approximately 30 to 80 km/h (20 to 50 mph)	Approximately 30 to 80 km/h (20 to 50 mph)
1	Preceding motorcycles, stopped motorcycles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 10 to 80 km/h (7 to 50 mph)
2	Preceding motorcycles, stopped motorcycles	Approximately 30 to 80 km/h (20 to 50 mph)	Approximately 10 to 80 km/h (7 to 50 mph)

● Pre-collision braking

PCS version	Detectable objects	Vehicle speed	Relative speed between your vehicle and object
1/2	Preceding vehicles, stopped vehicles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 180 km/h (3 to 110 mph)
3	Preceding vehicles, stopped vehicles	Approximately 10 to 180 km/h (7 to 110 mph)	Approximately 10 to 180 km/h (7 to 110 mph)
1	Oncoming vehicles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 80 to 220 km/h (50 to 130 mph)

PCS version	Detectable objects	Vehicle speed	Relative speed between your vehicle and object
1/2	Bicycles	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
1/2	Pedestrians	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
1	Preceding motorcycles, stopped motorcycles	Approximately 5 to 180 km/h (3 to 110 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
2	Preceding motorcycles, stopped motorcycles	Approximately 5 to 80 km/h (3 to 50 mph)	Approximately 5 to 80 km/h (3 to 50 mph)
1	Oncoming motorcycles	Approximately 30 to 180 km/h (20 to 110 mph)	Approximately 30 to 180 km/h (20 to 110 mph)

If either of the following occur while the pre-collision braking function is operating, it will be canceled:

- The accelerator pedal is strongly depressed
- The steering wheel is operated heavily or suddenly

● Emergency steering assist

The emergency steering assist will not operate when the turn signal lights are flashing.

PCS version	Detectable objects	Vehicle speed	Relative speed between your vehicle and object
1	Preceding vehicles, stopped vehicles, bicycles, pedestrians, motorcycles	Approximately 40 to 80 km/h (25 to 50 mph)	Approximately 40 to 80 km/h (25 to 50 mph)

While the emergency steering assist is operating, if any of the following are performed, emergency steering assist operation may be cancelled:

- The accelerator pedal is strongly depressed
- The steering wheel is operated heavily or suddenly
- The brake pedal is depressed

● Intersection collision avoidance support (left/right turn)

The intersection collision avoidance support (for left/right turning vehicles) will not operate when the turn signal lights are not flashing.

PCS version	Detectable objects	Vehicle speed	Oncoming vehicle speed	Relative speed between your vehicle and object
1	Oncoming vehicles	Approximately 5 to 40 km/h (3 to 25 mph)	Approximately 5 to 75 km/h (3 to 45 mph)	Approximately 10 to 115 km/h (7 to 70 mph)
1	Pedestrians	Approximately 5 to 30 km/h (3 to 20 mph)	—	Approximately 5 to 40 km/h (3 to 25 mph)
1	Bicycles	Approximately 5 to 30 km/h (3 to 20 mph)	—	Approximately 5 to 50 km/h (3 to 30 mph)
1	Oncoming motorcycles	Approximately 5 to 40 km/h (3 to 25 mph)	Approximately 5 to 75 km/h (3 to 45 mph)	Approximately 10 to 115 km/h (7 to 70 mph)

● Intersection collision avoidance support (crossing vehicles)

PCS version	Detectable objects	Vehicle speed	Crossing vehicle speed	Relative speed between your vehicle and object
1	Vehicles, Motorcycles (side)	Approximately 5 to 60 km/h (3 to 38 mph)	• Your vehicle speed or less • Approximately 40 km/h or less (25 mph or less)	Approximately 5 to 60 km/h (3 to 38 mph)

● Acceleration Suppression at Low Speed

The Acceleration Suppression at Low Speed function will not operate when the turn signal lights are flashing.

PCS version	Detectable objects	Vehicle speed	Relative speed between your vehicle and object
1	Preceding vehicles, stopped vehicles, Pedestrians, Bicycles, Wall	Approximately 0 to 15 km/h (0 to 9 mph)	Approximately 0 to 15 km/h (0 to 9 mph)

PCS version 1: While the Acceleration Suppression at Low Speed function is operating, if any of the following are performed, low speed sudden acceleration suppression operation will be cancelled:

- The accelerator pedal is released
- The steering wheel is operated heavily or suddenly

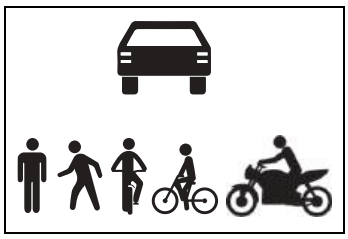
■ **Detection of detectable objects**

Objects are detected based on their size, shape, and movement.

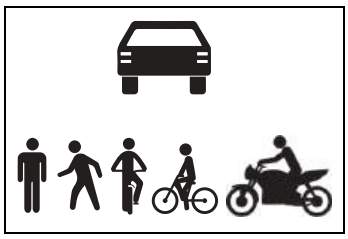
Depending on the ambient brightness, movement, posture and direction of a detectable object, it may not be detected and the system may not operate properly.

The system detects shapes, such as the following, as detectable objects.

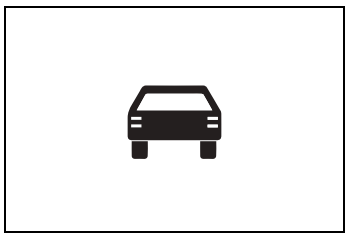
● PCS version 1



● PCS version 2



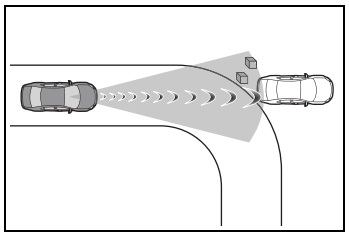
● PCS version 3



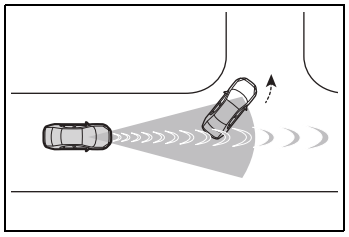
■ **Situations in which the system may operate even though the possibility of a collision is not high**

● In certain situations, such as the following, the system may determine that the possibility of a collision is high and operate:

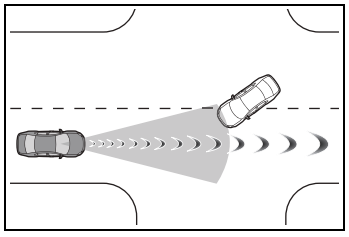
- When passing a detectable object
- When changing lanes while overtaking a detectable object
- When suddenly approaching a detectable object
- When approaching a detectable object or other object on the roadside, such as guardrails, utility poles, trees, walls, etc.
- When there is a detectable object or other object by the roadside at the entrance of a curve



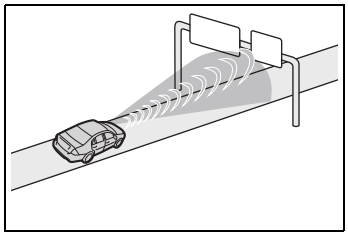
- When there are patterns or a painting ahead of the vehicle that may be mistaken for a detectable object
- When passing a detectable object that is changing lanes or turning left/right



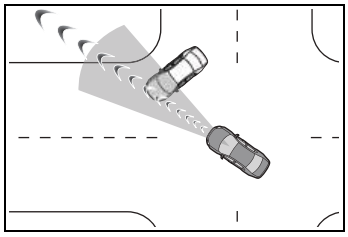
- When passing a detectable object which is stopped to make a left/right turn



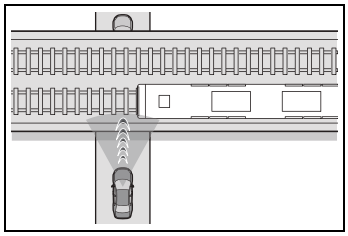
- When a detectable object stops immediately before entering the path of the vehicle
- When passing through a location with a structure above the road (traffic sign, billboard, etc.)



- When approaching an electric toll gate barrier, parking lot barrier, or other barrier that opens and closes
- PCS version 1: When turning left/right and an oncoming vehicle or pedestrian crosses in front of the vehicle
- PCS version 1: When attempting to turn left/right in front of an oncoming vehicle or pedestrian
- PCS version 1: When turning left/right and an oncoming vehicle, oncoming motorcycle, pedestrian or bicycle stops or changes course immediately before entering the path of the vehicle
- PCS version 1: When turning left/right and an oncoming vehicle turns left/right in front of the vehicle



- PCS version 1: When the steering wheel is operated toward the path of an oncoming vehicle
- PCS version 1: When there is an object moving above or under the road

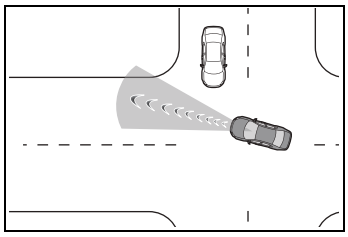


■ Situations in which the system may not operate properly

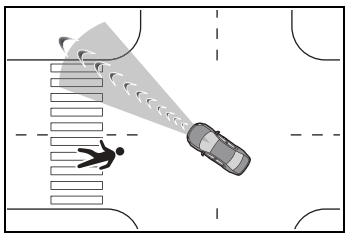
● In certain situations, such as the following, a detectable object may not be detected by the front sensors, and the system may not operate properly:

- When a detectable object is approaching your vehicle
- When your vehicle or a detectable object is wandering
- When a detectable object makes an abrupt maneuver (such as sudden swerving, acceleration or deceleration)
- When suddenly approaching a detectable object
- When the detectable object is near a wall, fence, guardrail, manhole cover, steel plate on the road surface, or another vehicle
- When there is a structure above a detectable object
- When part of a detectable object is hidden by another object (large luggage, umbrella, guardrail, etc.)
- When multiple detectable objects are overlapping
- When a bright light, such as the sun, is reflecting off of a detectable object
- When a detectable object is white and looks extremely bright
- When the color or brightness of a detectable object causes it to blend in with its surroundings
- When a detectable object cuts in front of or suddenly emerges in front of your vehicle
- When approaching a vehicle which is diagonal
- PCS version 3: If a vehicle ahead is a motorcycle or bicycle
- PCS version 1 or 2: If a vehicle ahead is a child sized bicycle, is carrying a large load, is carrying an extra passenger, or has an unusual shape (bicycles equipped with a child seat, tandem bicycles, etc.)
- PCS version 1 or 2: If a pedestrian or bicycle is shorter than approximately 1 m (3.2 ft.) or taller than approximately 2 m (6.5 ft.).
- When the silhouette of a pedestrian or

bicycle is unclear (such as when they are wearing a raincoat, long skirt, etc.)
- When a pedestrian is bending forward or squatting
- When a pedestrian or bicycle is moving at high speed
- When a pedestrian is pushing a stroller, wheelchair, bicycle or other vehicle
- When a detectable object blends in with the surrounding area, such as when it is dim (at dawn or dusk) or dark (at night or in a tunnel)
- When the vehicle has not been driven for a certain amount of time after the engine was started
- While turning left/right or a few seconds after turning left/right
- While driving around a curve and a few seconds after driving around a curve
- PCS version 1: When driving in a traffic lane separated by more than one lane where oncoming vehicles are driving while making a right/left turn
- PCS version 1: When largely out of place with the opposite facing targeted oncoming vehicle during a right/left turn



- PCS version 1: When turning left/right, a pedestrian or bicycle behind the vehicle comes in front of it as if it overtakes the vehicle



- PCS version 1: When at an intersection, the approaching crossing vehicle is long in overall length, such as a large truck, towing trailer, etc.

● PCS version 1: In addition to the preceding, in certain situations, such as the following, the emergency steering assist may not operate properly:
- When a detectable object is too close to the vehicle
- When there is insufficient space to perform evasive steering maneuvers or an obstruction exists in the evasion direction
- When there is an oncoming vehicle

● PCS version 1: In addition to the preceding, in certain situations, such as the following, walls may not be detected as a target object and the Acceleration Suppression at Low Speed function may not operate properly:

Changing the pre-collision setting

● The pre-collision system can be enabled/disabled through a customize setting. (→P.700)

The system is enabled each time the engine switch is turned to ON.

● When the system is disabled, the PCS warning light will illuminate and a message will be displayed on the multi-information display.

● The pre-collision setting can be changed on the customize settings. (→P.700)

● When the pre-collision warning timing is changed, the emergency steering assist timing will also be changed.

When  (later) is selected,

the emergency steering assist will not operate in most cases.

- When the dynamic radar cruise control is operating, the pre-collision warning will operate at the  (earlier) timing, regardless of the user setting.

LTA (Lane Tracing Assist)*

*: If equipped

LTA functions

- When driving on a road with clear lane lines with the dynamic radar cruise control operating, lane lines and preceding and surrounding vehicles are detected using the front camera and radar sensor, and the steering wheel is operated to maintain the vehicle's lane position.

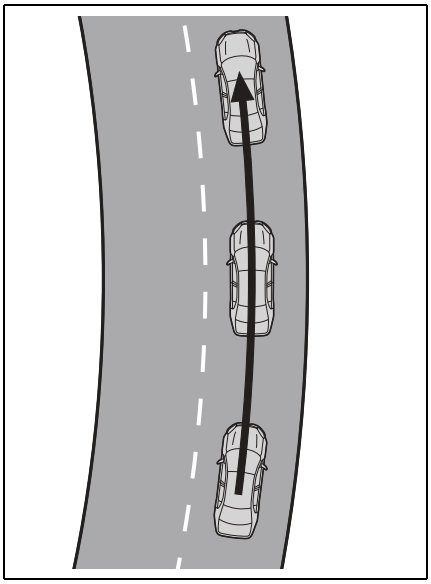
Use the this function only on highways and expressways.

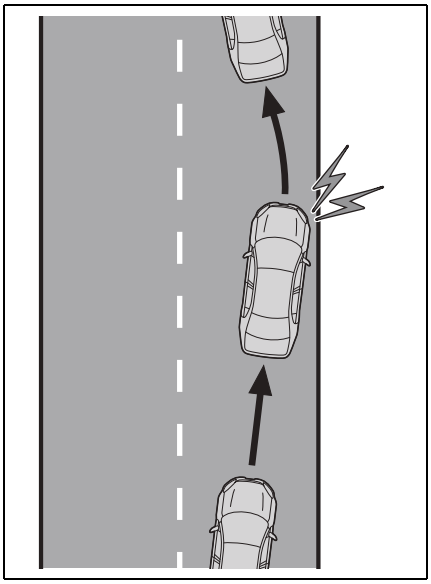
If the dynamic radar cruise control is not operating, the function will not operate.

In situations where the lane lines are difficult to see or are not visible, such as when in a traffic jam, support will be provided using the path of preceding and surrounding vehicles.

If the system determines that the steering wheel has not been operated for a certain amount of time or the steering wheel is not being firmly gripped, the driver will be alerted and this function will be temporarily canceled.

If the steering wheel is firmly gripped, the function will begin operating again.





- When the function is operating, if the vehicle is likely to depart from its lane, the driver will be alerted via a display and buzzer.

When the buzzer sounds, check the area around the vehicle and carefully operate the steering wheel to move the vehicle back to the center of the lane.

WARNING

■ Before using the LTA system

- Do not overly rely on the LTA system. The LTA system is not a system which provides automated assistance in driving and it is not a system which reduces the amount of attention necessary for safe driving. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety. Also, the driver is responsible for taking adequate breaks when fatigued, such as when driving for a long time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident.
- When not using the LTA system, turn it off using the LTA switch.

■ Operating conditions of function

This function is operable when all of the following conditions are met:

- The LTA system detects lane lines or

the path of preceding or surrounding vehicles.

- The dynamic radar cruise control is operating.
- The lane width is approximately 3 to 4 m (10 to 13 ft.).
- The turn signal lever is not being operated.
- The vehicle is not being driven around a sharp curve.
- The vehicle is not accelerating or decelerating more than a certain amount.
- The steering wheel is not being turned with a large force.
- The hands off steering wheel warning (→P.327) is not operating.
- The vehicle is being driven in the center of a lane.

■ Temporary cancelation of functions

- When the operating conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function will automatically be restored. (→P.326)
- If the operating conditions of a function are no longer met while the function is operating, a buzzer may sound to indicate that the function has been temporarily canceled.
- The steering assist operation of the function can be overridden by the steering wheel operation of the driver.

■ Lane departure warning function when the LTA is operating

- Even if the LDA warning method is changed to vibration of the steering wheel, if the vehicle deviates from the lane while the LTA is operating, the warning buzzer will sound to alert the driver.
- If steering wheel operation equivalent to that necessary for a lane change is detected, the system will determine the vehicle is not deviating from the lane and the warning will not operate.

■ Hands off steering wheel warning operation

- When the system determines the driver is not holding the steering wheel, a message urging the driver to grip the steering wheel and the icon shown in the illustration will be displayed on the multi-information display to warn the driver. If the system detects that the steering wheel is held, the warning will be canceled. When using the system, make sure to grip the steering wheel firmly, regardless of whether the warning is operating or not.



- If no operations are detected for a certain amount of time, the warning will operate and the function will be temporarily canceled. This warning may also operate if the driver only operates steering wheel a small amount continuously.

■ Situations in which the hands off steering wheel warning may not operate properly

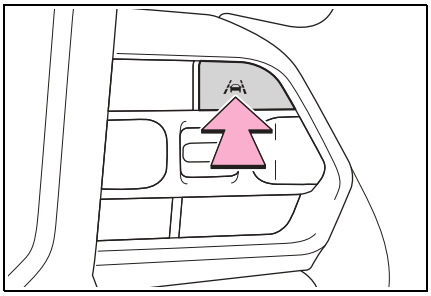
- Depending on the condition of the vehicle, handle control condition and road surface, the warning function may not operate.

Enabling/disabling the system

The LTA will change between ON/OFF each time the LTA switch is pressed.

When the LTA is ON, the LTA indicator

will illuminate.

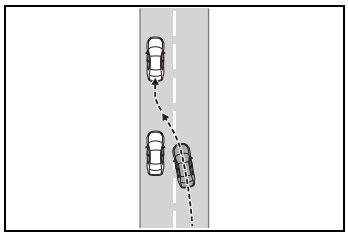


WARNING

■ Situations in which the functions may not operate properly

In the following situations, the functions may not operate properly and the vehicle may depart from its lane. Do not overly rely on these functions. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety.

- When a preceding or surrounding vehicle changes lanes (Your vehicle may follow the preceding or surrounding vehicle and also change lanes)



- When a preceding or surrounding vehicle is swaying (Your vehicle may sway accordingly and depart from the lane)
- When a preceding or surrounding vehicle departs from a lane (Your vehicle may follow the preceding or surrounding vehicle and also depart from the lane)
- When a preceding or surrounding vehicle is being driven extremely close to the left/right lane line (Your vehicle may follow the preceding or surrounding vehicle accordingly and depart from the lane)
- When there are moving objects or structures in the surrounding area (Depending on the position of the moving object or structure relative to your vehicle, your vehicle may sway)
- When the vehicle is struck by a crosswind or the turbulence of other nearby vehicles
- Situations in which the sensors may not operate properly: →P.310
- Situations in which the lane may not be detected: →P.311
- When it is necessary to disable the system: →P.306

Operation display of steering wheel operation support

The operating state of the LTA system is indicated.

Indicator	Lane display	Steering icon	Situation
 White	 Gray/White	 Gray	LTA is on standby
 Green	 Green	 Green	LTA is operating
 Yellow Flashing	 Yellow Flashing	 Green	The vehicle is departing the lane toward the side which the lane display is flashing

LDA (Lane Departure Alert)*

*: If equipped

Basic functions

The LDA system warns the driver if the vehicle may deviate from the current lane or course*, and also can slightly operate the steering wheel to help avoid deviation from the lane or course*.

The front camera is used to detect lane lines or a course*.

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.

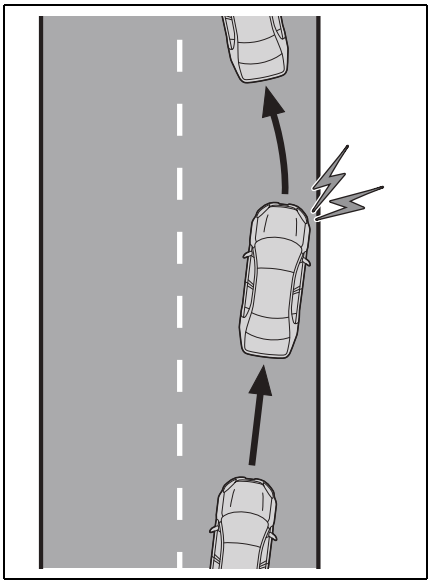
■ Lane departure alert function

When the system determines that the vehicle might depart from its lane or course*, a warning is displayed on a display, and either a warning buzzer will sound or the steering wheel will vibrate to alert the driver.

Check the area around your vehicle and carefully operate the steering wheel to move the vehicle back to the center of the lane or course*.

Vehicles with BSM: If the system determines that the vehicle may collide with a vehicle in an adjacent lane, the lane departure alert will operate even if the turn signals are operating.

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.



■ Lane departure prevention function (if equipped)

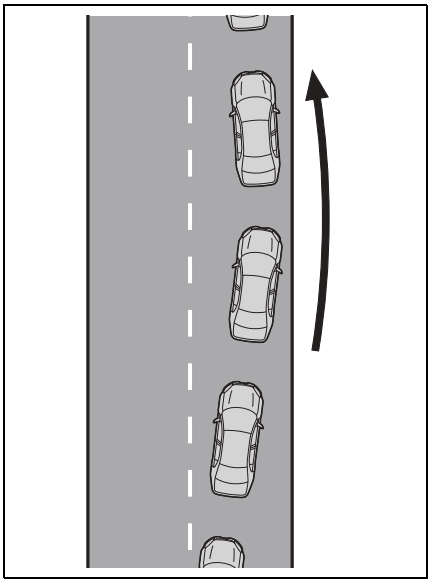
If the system determines that the vehicle is likely to depart from its lane or course*, it provides assistance through steering wheel operations to help avoid deviation from the lane or course.

If the system determines that the steering wheel has not been operated for a certain amount of time or the steering wheel is not being firmly gripped, a warning message may be displayed and a warning buzzer may sound to alert the driver.

Vehicles with BSM: If the system determines that the vehicle may collide with a vehicle in an adjacent lane, the lane departure prevention function will operate even if the turn signals are operating.

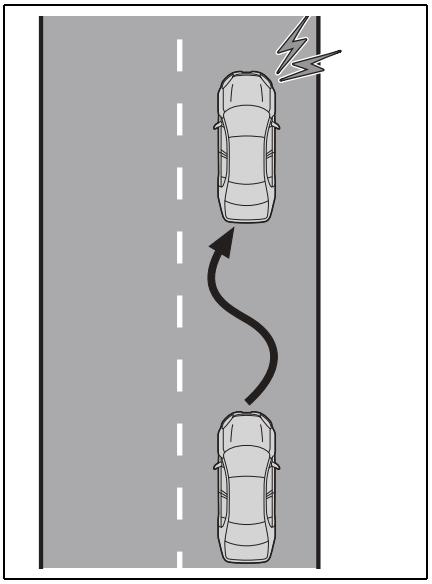
*: Boundary between the asphalt and grass, soil, etc., or structures, such

as a curb, guardrail, etc.



■ Break suggestion function

If the vehicle is swaying, a message will be displayed and a buzzer will sound to urge the driver to take a break.



⚠ WARNING

■ Before using the LDA system

- Do not overly rely on the LDA system. The LDA system is not a system which provides automated assistance in driving and it is not a system which reduces the amount of attention necessary for safe driving. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety. Also, the driver is responsible for taking adequate breaks when fatigued, such as when driving for a long time.
- Failure to perform appropriate driving operations and pay careful attention may lead to an accident.

■ Operating conditions of each function

- Lane departure alert/prevention function

This function is operable when all of the following conditions are met:

- The vehicle speed is approximately 50 km/h (30 mph) or more.

Operation may be possible when the vehicle speed is approximately 40 km/h (25 mph) or more if vehicles, motorcycles, bicycles, or pedestrians are detected near the lane.

- The system recognizes a lane or course*. (When recognized on only one side, the system will operate only for the recognized side.)
- The lane width is approximately 3 m (9.8 ft.) or more.
- The turn signal lever is not being operated.

(Vehicles with BSM: Except when a vehicle is detected in the direction that the turn signal lever is operated.)

- The vehicle is not being driven around a sharp curve.
- The vehicle is not accelerating or decelerating more than a certain amount.
- The steering wheel is not being turned sufficiently to perform a lane change.
- When the VSC or Active TRC system is not turned off

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.

■ Temporary cancellation of functions

When the operating conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function will automatically be restored. (→P.331)

■ Operation of the lane departure alert function/lane departure prevention function

- Depending on the vehicle speed, road conditions, lane departure angle, etc., operation of the lane departure prevention function may not be felt or the function may not operate.
- Depending on the conditions, the warning buzzer may operate even if vibration is selected through a customize setting.
- If a course* is not clear or straight, the lane departure alert function or lane departure prevention function may not operate.
- The lane departure alert function or lane departure prevention function may not operate if the system judges that the vehicle is intentionally being steered to avoid a pedestrian or parked vehicle.
- Vehicles with BSM: It may not be possible for the system to judge if there is danger of a collision with a vehicle in an adjacent lane.
- The steering assist operation of the lane departure prevention function can be overridden by the steering wheel operation of the driver.

*: Boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc.

■ Hands off steering wheel warning operation

In the following situations, a message urging the driver to operate the steering wheel and an icon will be displayed and a buzzer will sound to warn the driver. When using the system, make sure to grip the steering wheel firmly, regardless of whether the warning is operating or not.



- When the system determines that the driver is not securely holding the steering wheel, or the steering wheel is not being operated when the steering assist operation of the lane depar-

ture prevention function is operating

The length of time that the warning buzzer operates will become longer as the frequency of the steering assist operating increases. Even if the system judges that the steering wheel has been operated, the warning buzzer will sound for a certain amount of time.*1

*1: New Caledonia, Ukraine, Kazakhstan, Russia, Moldova, Belarus, Kyrgyzstan, Azerbaijan, Georgia, India, Latin American countries and the Caribbean countries*2

*2: The countries and areas for each region listed in the table are current as of November 2024. However, depending on when the vehicle was sold, the countries and areas of each region may be different. Contact your Toyota dealer for details.

■ Break suggestion function

This function is operable when all of the following conditions are met:

- The vehicle speed is approximately 50 km/h (32 mph) or more.
- The lane width is approximately 3 m (9.8 ft.) or more.

Depending on the condition of the vehicle and road surface, the break suggestion function may not operate.



Changing LDA settings

- The LDA system can be enabled/disabled through a customize setting. (→P.700)
- The settings of the LDA can be changed on the customize settings. (→P.700)

⚠ WARNING

■ Situations in which the system may not operate properly

In the following situations, the system may not operate properly and the vehicle may depart from its lane. Do not overly rely on these functions. The driver is solely responsible for paying attention to their surroundings and operating the steering wheel as necessary to ensure safety.

- When the boundary between the asphalt and grass, soil, etc., or structures, such as a curb, guardrail, etc. is not clear or straight
- When the vehicle is struck by a crosswind or the turbulence of other nearby vehicles
- Situations in which the lane may not be detected: →P.311
- Situations in which the sensors may not operate properly: →P.310
- Situations in which some or all of the functions of the system cannot operate: →P.312
- When it is necessary to disable the system: →P.306

Displays and system operation

The operating state of the lane departure alert function and steering assist operation of the lane departure prevention function are indicated.

Indicator	Lane display	Steering icon	Situation
 Yellow Illuminated	Not illuminated	Not illuminated	System disabled
Not illuminated	 Gray	Not illuminated	Lane lines are not detected by the system
Not illuminated	 White	Not illuminated	Lane lines are detected by the system
 Yellow Flashing	 Yellow Flashing	Not illuminated	Lane departure alert function is operating for the side which the lane display is flashing
 Green	 Green	 Green	Lane departure prevention function is operating for the side which the lane display is illuminated
 Yellow Flashing	 Yellow Flashing	 Green	Lane departure alert function/lane departure prevention function is operating for the side which the lane display is flashing

RSA (Road Sign Assist)*

*: If equipped

▶ Except for Europe

The RSA system detects specific road signs using the front camera and warns the driver via displays and buzzers.

▶ For Europe

The RSA system detects specific road signs using the front camera and/or multimedia system (when speed limit information is available) and warns the driver via displays and buzzers.

Vehicles with connected navigation (with built-in navigation system): In order to maintain performance of the speed limit display function, it is necessary to update map data* on a regular basis.

*: For details about updates, refer to the separate “Multimedia Owner’s Manual”.

WARNING

■ For safe use

- Do not rely solely upon the RSA. The RSA assists the driver by providing road sign information, but it is not a replacement for the driver’s own vision and awareness. Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving.

Except for Europe:

- Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving.

For Europe:

- Regardless of the availability of RSA display/buzzer, including conditional speed limit alert, it is the driver who is solely responsible for driving safely and abiding by the regulations. Therefore, do not overly rely on this system. The driver is solely responsible for paying attention to the vehicle’s surroundings and driving safely.

■ Situations in which the RSA should not be used

When it is necessary to disable the system: →P.306

■ Situations in which the system may not operate properly

Situations in which the sensors may not operate properly: →P.310

Display Function

▶ Except for Europe

- When the front camera detects a sign, the sign will be displayed on the display.

▶ For Europe

- When the front camera detects a sign or information of a sign is available from the multimedia system, the sign will be displayed on the display.
- Multiple signs can be displayed.

Depending on the specifications of the vehicle, the number of displayed signs may be limited.

■ **Operating conditions of sign display**

Signs will be displayed when the following conditions are met:

- The system has detected a sign

In the following situations, a displayed sign may stop being displayed:

- When a new sign has not been detected for a certain distance
- When the system determines that the road being driven on has changed, such as after a left or right turn

■ **Situations in which the display function may not operate properly**

In the following situations, the RSA system may not operate properly and may not detect signs or may display the incorrect sign. However, this does not indicate a malfunction.

- When a sign is dirty, faded, tilted or bent
- When the contrast of an electronic sign is low
- When all or part of a sign is hidden by a tree, utility pole, etc.
- When a sign is detected by the front camera for a short amount of time
- When the driving state (turning, changing lanes, etc.) is judged incorrectly
- When a sign is immediately after a freeway junction or in an adjacent lane just before merging
- When stickers are attached to the rear of a preceding vehicle
- When a sign similar to a system compatible sign is detected as a system compatible sign
- When a speed limit sign for a frontage road is within detection range of the front camera
- When driving around a roundabout
- When a sign intended for trucks, etc. is detected
- When a sign has a supplemental sign (end point, day of week, time of day, etc.)
- When there is a sign within a traffic restricted area, such as a roadworks area

For Europe:

- When the vehicle is driven in a country with a different direction of traffic
- When the multimedia system map data is out of date
- When the multimedia system cannot be used

In this case, the speed limit signs displayed on the multi-information display and navigation system display may differ.

Notification function

In the following situations, the RSA system will output a warning to notify the driver.

- If the vehicle speed exceeds the speed warning threshold of the speed limit sign displayed on the display, the sign display will be emphasized and a buzzer will sound.

For Europe:

Also when the limit speed to be displayed is changed due to the change of driving zones, etc., the sign display will be emphasized and a buzzer will sound* to alert the driver.*

*: The availability of emphasized display and buzzer depends on the country where the vehicle is available.

- When the RSA system detects a no-entry sign and determines that the vehicle has entered the no-entry area based on the map information of the multimedia system, the no-entry sign displayed on the multi-information display will flash and a buzzer will sound. (Vehicles with a multimedia system)

■ Operating conditions of the notification functions

● Excess speed notification function

This function will operate when the following condition is met:

- A speed limit road sign is recognized by the system.

● No entry notification function (for Europe)

This function will operate when all of the following conditions are met:

- More than one no entry road signs are recognized by the system simultaneously.
- The vehicle is passing between no entry road signs recognized by the system.
- The vehicle is equipped with an onboard multimedia system.

Types of road signs supported

- The following types of road signs can be displayed.

However, non-standard or recently introduced traffic signs may not be displayed.

▶ Except for Europe



Speed limit

▶ For Europe

- Speed limit road signs*



Speed limit begins/Maximum speed zone begins



Speed limit ends/Maximum speed zone ends

*: No speed limit information  is displayed when neither speed limit road sign nor speed limit related information is available.

- Speed limit related information*1, 2



Motorway



Motorway exit



Expressway



Expressway exit



Urban area beginning



Urban area ending



Residential area beginning



Residential area ending

*1: Displayed when a sign is detected but speed limit information for the road is not available from the multi-media system.

*2: No speed limit information  is displayed when neither speed limit road sign nor speed limit related information is available.

- No overtaking road signs



No overtaking begins



No overtaking ends

- Other road signs



No-entry



End of prohibition



Stop



Warning

- Speed limit with supplemental mark*1



Ice



Supplemental mark exists*2



Exit ramp on right



Exit ramp on left



Time

*1: Displayed simultaneously with a speed limit sign.

*2: Content not recognized.

- Depending on the specifications of the vehicle, signs may be displayed overlapping.



Duplicate display example

Changing RSA settings

- The following settings of the RSA can be changed through customize settings. (→P.700)

For Europe:

The system and some functions are enabled each time the engine switch is turned to ON in certain countries.

Dynamic radar cruise control*

*: If equipped

This dynamic radar cruise control detects the presence of vehicles ahead, determines the current vehicle-to-vehicle distance, and operates to maintain a suitable distance from the vehicle ahead. The desired vehicle-to-vehicle distance can be set by operating the vehicle-to-vehicle distance switch.

Use the dynamic radar cruise control only on highways and expressways.

WARNING

■ For safe use

- Driving safely is solely the responsibility of the driver. Do not overly rely on this system, and pay careful attention to the surrounding conditions in order to ensure safe driving.
- 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 items carefully. Do not overly rely on this system and always drive carefully.

Conditions under which the system may not operate correctly: →P.345

- Set the speed appropriately according to the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for confirming the set speed.
- Even if the system is operating correctly, the condition of a preceding vehicle as recognized by the driver and detected by the system may differ. Therefore, it is necessary for the driver to pay attention, assess risks, and ensure safety. Over-reliance on this system to drive the vehicle safely may lead to an accident resulting in death or serious injury.

■ Precautions for the driving assist systems

Observe the following precautions, as there are limitations to the assistance provided by the system. Over-reliance on this system may lead to an accident resulting in death or serious injury.

- Details of support provided for the driver's vision

The dynamic radar cruise control is only intended to help the driver in determining the distance between the driver's own vehicle and a designated preceding vehicle. It is not a system which allows for careless or inattentive driving, and is not a system which assists in poor visibility conditions.

The driver must pay attention to their surroundings, even when the vehicle stops.

- Details of support provided for the driver's judgement

The dynamic radar cruise control determines whether the distance between the driver's own vehicle and a designated preceding vehicle 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.

- Details of support provided for the driver's operation

WARNING

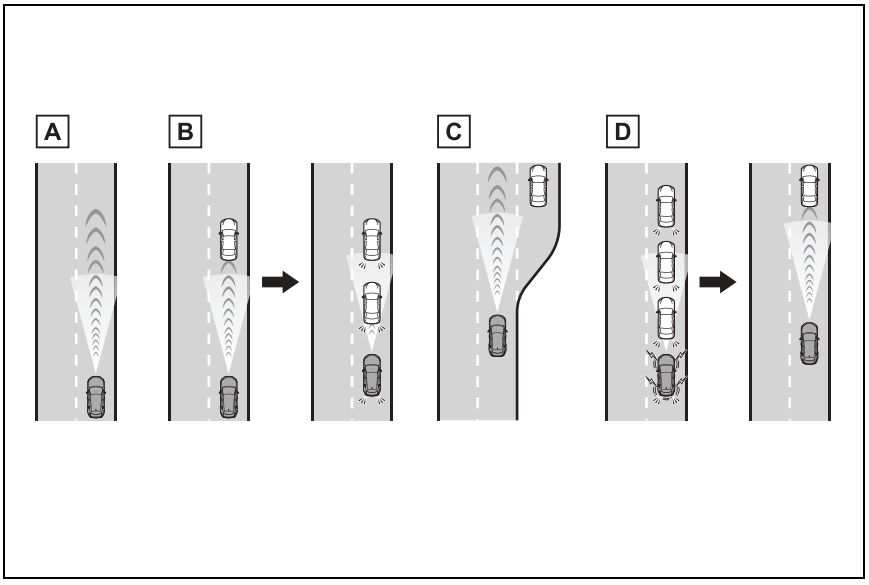
The dynamic radar cruise control does not include functions which will prevent or avoid collisions with vehicles ahead of your vehicle. Therefore, if there is ever any possibility of danger, the driver must take immediate and direct control of the vehicle and act appropriately in order to ensure safety.

■ **Situations in which the dynamic radar cruise control should not be used**

Do not use the dynamic radar cruise control in the following situations. As the system will not be able to provide appropriate control, using it may lead to an accident resulting in death or serious injury.

- Roads where there are pedestrians, cyclists, etc.
- When driving on a highway or expressway entrance or exit
- When the approach warning sounds frequently
- Situations in which the sensors may not operate properly: →P.310
- When it is necessary to disable the system: →P.306

Basic functions



A Constant speed cruising

When there are no vehicles ahead

The vehicle drives at the speed set by the driver.

If the set vehicle speed is exceeded while driving down a hill, the set vehicle speed display will blink and a buzzer will sound.

B Deceleration and follow-up cruising

When a preceding vehicle driving slower than the set vehicle speed is detected

When a vehicle is detected driving ahead of your vehicle, the vehicle automatically decelerates and if a greater reduction in vehicle speed is necessary, the brakes are applied (the stop lights will come on at this time). The vehicle is controlled to maintain the vehicle-to-vehicle distance set by the driver, in accordance with changes in the speed of the preceding vehicle. If vehicle deceleration is not sufficient and the vehicle approaches the vehicle ahead, the approach warning will sound.

C Acceleration

When there are no longer any preceding vehicles driving slower than the set vehicle speed

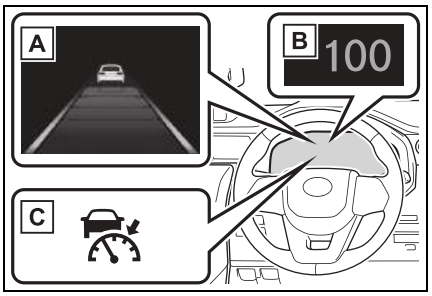
The vehicle accelerates until the set vehicle speed is reached and then resumes constant speed cruising.

D Starting off

If a preceding vehicle stops, the vehicle will also stop (controlled stop). After the preceding vehicle starts off, pressing the “RES” switch or depressing the accelerator pedal will resume follow-up cruising (start off operation). If a start off operation is not performed, the controlled stop will continue.

System components

■ Meter display

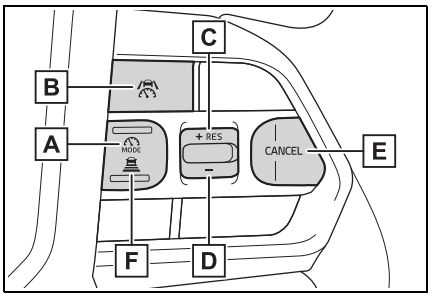


A Multi-information display

B Set vehicle speed

C Indicators

■ Switches



A Driving assist mode select switch

B Driving assist switch

C “+” switch/“RES” switch

D “-” switch

E Cancel switch

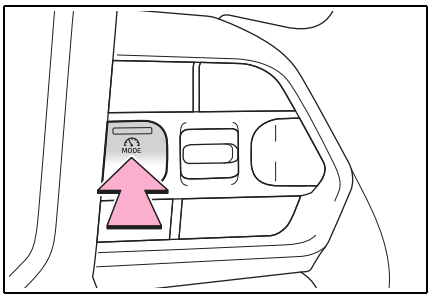
F Vehicle-to-vehicle distance switch

Using the dynamic radar cruise control

■ Setting the vehicle speed

1 Press the driving assist mode select switch to select Adaptive Cruise Mode.

The dynamic radar cruise control indicator will illuminate.

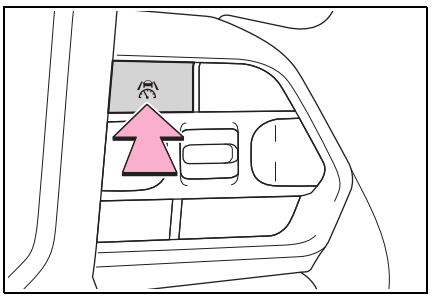


2 Using the accelerator pedal, accelerate or decelerate to the desired vehicle speed (approximately 30 km/h [20 mph] or more), and press the driving assist switch to set the set vehicle speed.

The set vehicle speed will be displayed on the multi-information display.

The vehicle speed at the moment the switch is released will be the set vehicle

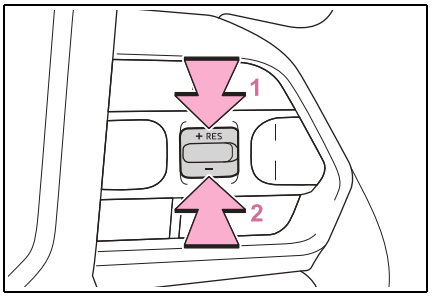
speed.



■ Adjusting the set vehicle speed

- Adjusting the set vehicle speed using the switches

To change the set vehicle speed, press the “+” switch or “-” switch until the desired speed is displayed.



1 Increase set vehicle speed

2 Decrease set vehicle speed

Short press adjustment: Press the switch

Long press adjustment: Press and hold the switch until the desired set vehicle speed is reached.

The set vehicle speed will increase or decrease as follows:

Short press adjustment: By 1 km/h (0.6 mph) or 1 mph (1.6 km/h) each time the switch is pressed

Long press adjustment: Increases or decreases in 5 km/h (3.1 mph) or 5 mph (8 km/h) increments continuously while the switch is pressed and held

The set vehicle speed adjustment increment can be changed through a customize setting.

- Increasing the set vehicle speed using the accelerator pedal

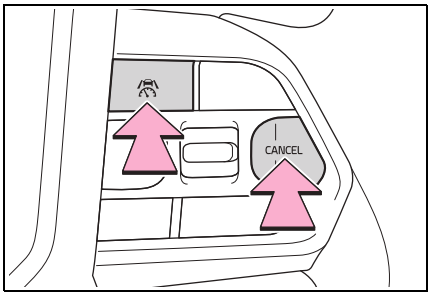
1 Depress the accelerator pedal to accelerate the vehicle to the desired vehicle speed.

2 Press the “+” switch.

■ Canceling/resuming control

1 Press the cancel switch or driving assist switch to cancel control.

Control will also be canceled if the brake pedal is depressed.
(If the vehicle has been stopped by system control, depressing the brake pedal will not cancel control.)



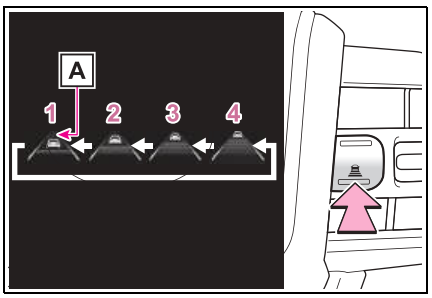
2 Press the “RES” switch to resume control.

■ Changing the vehicle-to-vehicle distance

Each time the switch is pressed, the vehicle-to-vehicle distance setting will change as follows:

If a preceding vehicle is detected, the preceding vehicle mark A will

be displayed.



▶ Except for Ukraine and Moldova

Illustration Number	Vehicle-to-vehicle distance	Approximate Distance (Vehicle Speed: 100 km/h [60 mph])
1	Extra long	Approximately 70 m (230 ft.)
2	Long	Approximately 60 m (200 ft.)
3	Medium	Approximately 45 m (145 ft.)
4	Short	Approximately 30 m (100 ft.)

▶ For Ukraine and Moldova

Illustration Number	Vehicle-to-vehicle distance	Approximate Distance (Vehicle Speed: 100 km/h [60 mph])
1	Extra long	Approximately 60 m (200 ft.)
2	Long	Approximately 45 m (145 ft.)
3	Medium	Approximately 30 m (100 ft.)
4	Short	Approximately 25 m (85 ft.)

The actual vehicle-to-vehicle distance varies in accordance with the vehicle speed. Also, when the vehicle is stopped by system control, it will be stopped at a certain distance from the preceding vehicle, depending on the situation, regardless of the setting.

■ Operating conditions

- The D shift position is selected.
- The desired set speed can be set when the vehicle speed is approximately 30 km/h (20 mph) or more.
  - If the vehicle speed is set while driving at below approximately 30 km/h (20 mph), the set vehicle speed will be approximately 30 km/h (20 mph).
  - If the vehicle speed is set while driving at a speed that exceeds the system's upper limit, the set vehicle speed will be the system's upper limit.

■ Accelerating after setting the vehicle speed

As with normal driving, acceleration can be performed by depressing the accelerator pedal. After accelerating, the vehicle will return to the set vehicle speed. However, while in vehicle-to-vehicle distance control mode, the vehicle speed may decrease to below the set vehicle speed in order to maintain the distance from the preceding vehicle.

■ When the vehicle is stopped by system control during follow-up cruising

- When the "RES" switch is pressed while the vehicle is stopped by system control, if the preceding vehicle starts off within approximately 3 seconds, follow-up cruising will resume.
- If the preceding vehicle starts off within approximately 3 seconds of the vehicle being stopped by system control, follow-up cruising will resume.

■ Automatic cancellation of vehicle-to-vehicle distance control mode

In the following situations, vehicle-to-vehicle distance control mode will be

canceled automatically:

- When the brake control or output restriction control of a driving support system operates
  (For example: Pre-Collision System, drive-start control)
- When the parking brake has been operated
- When the driver's seat belt is unfastened while driving
- When the Pre-Collision System is disabled
- When the vehicle is stopped by system control on a steep incline
- When any of the following are detected while the vehicle is stopped by system control:
  - The driver's seat belt is unfastened
  - The driver's door is opened
  - Approximately 3 minutes have elapsed since the vehicle was stopped

The parking brake may be actived automatically.

- Situations in which some or all of the functions of the system cannot operate: →P.312

■ Dynamic radar cruise control system warning messages and buzzers

For safe use: →P.306

■ Preceding vehicles that the sensor may not detect correctly

In the following situations, depending on the conditions, if the system cannot provide sufficient deceleration or acceleration is necessary, operate the brake pedal or accelerator pedal.

As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P.345) may not operate.

- When a vehicle cuts in front of your vehicle or changes lanes away from your vehicle extremely slowly or quickly
- When changing lanes
- When a preceding vehicle is driving at a low speed
- When a vehicle is stopped in the same lane as the vehicle
- When a motorcycle is traveling in the same lane as the vehicle

■ Conditions under which the system may not operate correctly

In the following situations, operate the brake pedal (or accelerator pedal, depending on the situation) as necessary.

As the sensor may not be able to correctly detect a vehicle, the system may not operate properly.

- When a preceding vehicle brakes suddenly
- When changing lanes at low speeds, such as in a traffic jam

Approach warning

In situations where the vehicle approaches a preceding vehicle and the system cannot provide sufficient deceleration, such as if a vehicle cuts in front of the vehicle, a warning display will flash and a buzzer will sound to alert the driver. Depress the brake pedal to ensure appropriate vehicle-to-vehicle distance.

■ Warnings may not occur when

In the following situations, the warning may not operate even though the vehicle-to-vehicle distance is short.

- When the preceding vehicle is traveling at the same speed or faster than your vehicle
- When the preceding vehicle is

traveling at an extremely low speed

- Immediately after the vehicle speed has been set
- When the accelerator pedal is depressed

Curve speed reduction function

When a curve is detected, the vehicle speed will begin being reduced. When the curve ends, the vehicle speed reduction will end.

Depending on the situation, the vehicle speed will then return to the set vehicle speed.

In situations where vehicle-to-vehicle distance control needs to operate, such as when a preceding vehicle cuts in front of your vehicle, the curve speed reduction function will be canceled.



■ Situations in which the curve speed reduction function may not operate

In situations such as the following, the curve speed reduction function may not operate:

- When the vehicle is being driven around a gentle curve
- When the accelerator pedal is being depressed
- When the vehicle is being driven around an extremely short curve

Support for lane change

If your vehicle is being driven at approximately 80 km/h (50 mph) or more and a lane change to the passing lane is performed, when the turn signal lever is operated and the lane is changed, the vehicle will accelerate up to the set speed to assist in overtaking.

▶ Except for Ukraine and Moldova

The system's recognition of which lane is the passing lane may be based solely on the location of the steering wheel in the vehicle (left-hand drive/right-hand drive). If the vehicle is driven in a location where the passing lane is on the opposite side of that where the vehicle was originally sold, the vehicle may accelerate when the turn signal lever is operated away from the passing lane. (e.g. The vehicle was manufactured to be driven on roads for right-hand drive vehicles [that overtake on the right], but is being used on roads for left-hand drive vehicles [that overtake on the left]. In this case, the vehicle may accelerate when the turn signal lever is operated to the right.)

▶ For Ukraine and Moldova

For vehicles with a DCM: The system's recognition of which lane is the passing lane is determined by location information and the driving condition of surrounding vehicles. The support for lane change function and overtaking prevention function may not operate if it is difficult to obtain location information or there are few surrounding vehicles.

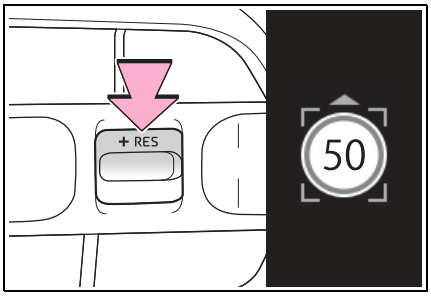
For vehicles without a DCM: The system's recognition of which lane is the passing lane may be based solely on the location of the steering wheel in the vehicle (left-hand drive/right-hand drive). If the vehicle is driven in a location where the passing lane is on the opposite side of that where the vehicle was originally sold, the vehicle may accelerate when the turn signal lever is operated away from the passing lane. (e.g. The vehicle was manufactured to be driven on roads for right-hand drive vehicles [that overtake on the right], but is being used on roads for left-hand drive vehicles [that overtake on the left]. In this case, the vehicle may accelerate when the turn signal lever is operated to the right.)

If your vehicle is being driven at approximately 80 km/h (50 mph) or more and the lane is changed to that with a vehicle traveling slower than your vehicle, when the turn signal lever is operated the vehicle will gradually decelerate to assist in changing lanes.

Dynamic Radar Cruise Control with Road Sign Assist (if equipped)

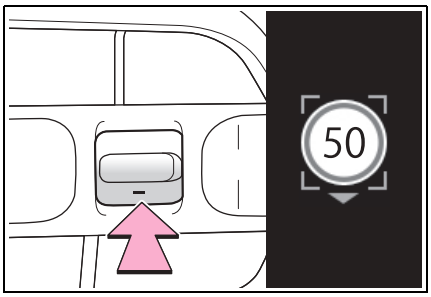
When RSA function is enabled and the dynamic radar cruise control system is operating, if a speed limit sign is detected, the detected speed limit will be displayed with an up/down arrow. The set speed can be increased/reduced to the detected speed limit by pressing and holding the "+" switch or "-" switch.

■ When the set speed is lower than the detected speed limit



Press and hold the "+" switch.

■ When the set speed is higher than the detected speed limit



Press and hold the "-" switch.

■ The dynamic radar cruise control with road sign assist may not operate properly when

As the dynamic radar cruise control with road sign assist may not operate properly in situations where the RSA may not operate or cannot detect signs correctly (→P.336), when using this function, make sure to confirm the actual speed limit.

In the following situations, the set speed may not change to the detected speed limit by pressing and holding the "+" switch or "-" switch:

- When speed limit information is not available
- When the detected speed limit is the same as the set speed

● When the detected speed limit is outside of the speed range which the dynamic radar cruise control system can operate

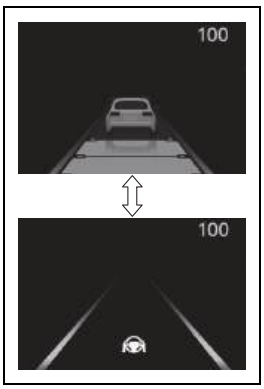
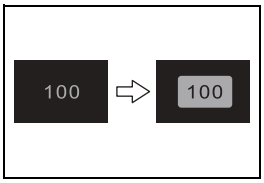
Changing Dynamic radar cruise control settings

The settings of Dynamic radar cruise control can be changed through customize settings. (→P.700)

Display and system operation state

The operating state of Dynamic radar cruise control is indicated.

Indicator	Multi-information display		Situation
 White		Vehicle-to-vehicle distance setting: Gray	Dynamic radar cruise control being OFF
 Green		Vehicle-to-vehicle distance setting: Blue Set vehicle speed: Green	Constant speed cruising
 Green		Vehicle-to-vehicle distance setting: Blue Set vehicle speed: Green Preceding vehicle: White	Follow-up cruising

Indicator	Multi-information display		Situation
Green		Vehicle-to-vehicle distance setting: Orange flashing Set vehicle speed: Green Preceding vehicle: Orange flashing	Approach warning
Green		Vehicle-to-vehicle distance setting: Gray Set vehicle speed: White Preceding vehicle: Gray	Accelerating with the accelerator pedal
Green		Set vehicle speed: Green in reverse display	Set vehicle speed being exceeded
Green		Vehicle-to-vehicle distance setting: Gray Set vehicle speed: White Preceding vehicle: Gray	Vehicle in controlled stop

Cruise control (Vehicles with Toyota Safety Sense)*

*: If equipped

The vehicle can be driven at a set speed even if the accelerator pedal is not depressed.

Use the cruise control only on highways and expressways.

WARNING

■ For safe use

- Driving safely is solely the responsibility of the driver. Therefore, do not overly rely on this system. The driver is solely responsible for paying attention to the vehicle's surroundings and driving safely.
- Set the speed appropriately according to the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for confirming the set speed.

■ Situations in which cruise control should not be used

Do not use the cruise control in the following situations. As the system will not be able to provide appropriate control, using it may lead to an accident resulting in death or serious injury.

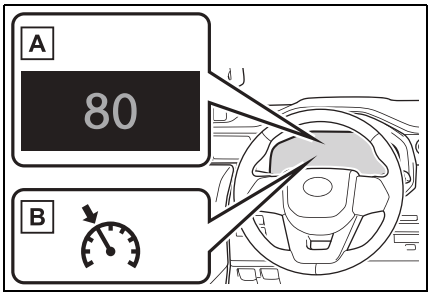
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients

Vehicle speed may exceed the set speed when driving down a steep hill.

- When it is necessary to disable the system: →P.306

System Components

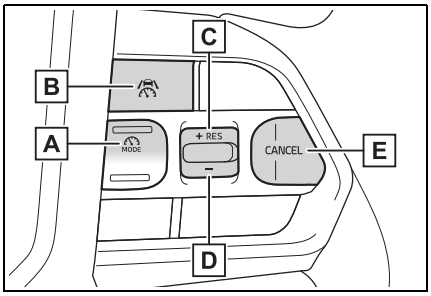
■ Meter display



A Set vehicle speed

B Cruise control indicator

■ Switches



A Driving assist mode select switch

B Driving assist switch

C "+" switch / "RES" switch

D "-" switch

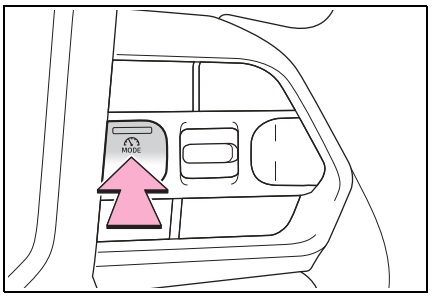
E Cancel switch

Using the cruise control

■ Setting the vehicle speed

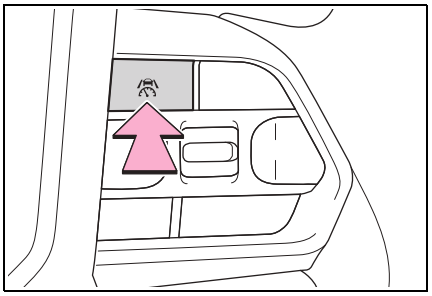
1 Press the driving assist mode select switch to select Cruise Control Mode.

The cruise control indicator will illuminate.



2 Using the accelerator pedal, accelerate to the desired vehicle speed (approximately 30 km/h [20 mph] or more), and press the driving assist switch to set the set vehicle speed.

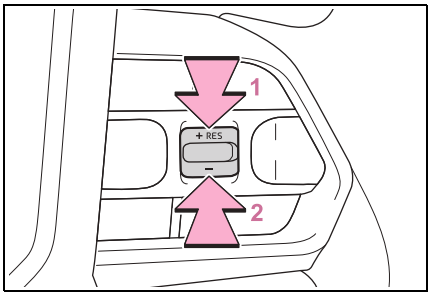
The vehicle speed at the moment the switch is released will be the set vehicle speed.



■ Adjusting the set vehicle speed

- Adjusting the set vehicle speed using the switches

To change the set vehicle speed, press the "+" or "-" switch until the desired speed is displayed.



1 Increase set vehicle speed

2 Decrease set vehicle speed

The set vehicle speed will increase or decrease as follows:

Fine adjustment: By 1 km/h (0.6 mph) or 1 mph (1.6 km/h) each time the switch is pressed

Large adjustment: Increases continuously while the switch is pressed and held

- Increasing the set vehicle speed using the accelerator pedal

1 Depress the accelerator pedal to accelerate the vehicle to the desired vehicle speed.

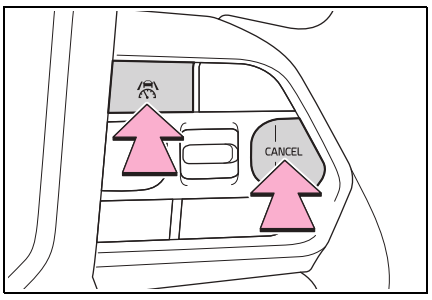
2 Press the "+" switch.

■ Canceling/resuming control

1 Press the cancel switch or driving assist switch to cancel control.

Control will also be canceled if the

brake pedal is depressed.



2 Press the “RES” switch to resume control.

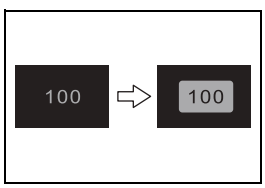
■ Automatic cancellation of the cruise control

In the following situations, the cruise control will be canceled automatically:

- When the vehicle speed drops approximately 16 km/h (10 mph) or more below the set vehicle speed
- When the vehicle speed drops below approximately 30 km/h (20 mph)
- When the brake control or output restriction control of a driving support system operates (For example: PCS, drive-start control)
- When the parking brake has been operated
- When the driver’s seat belt is unfastened
- Situations in which some or all of the functions of the system cannot operate: →P.312

Display and system operation state

The operating state of cruise control is indicated.

Indicator	Multi-information display		Situation
 White		Blank	Cruise control being OFF
 Green		Set vehicle speed: Green	Constant speed cruising
 Green		Set vehicle speed: White in reverse display	Set vehicle speed being exceeded

Cruise control (Vehicles without Toyota Safety Sense)*

*: If equipped

The vehicle can be driven at a set speed even if the accelerator pedal is not depressed.

Use the cruise control only on highways and expressways.

WARNING

■ For safe use

- Driving safely is solely the responsibility of the driver. Therefore, do not overly rely on this system. The driver is solely responsible for paying attention to the vehicle's surroundings and driving safely.
- Set the speed appropriately according to the speed limit, traffic flow, road conditions, weather conditions, etc. The driver is responsible for confirming the set speed.

■ Situations in which cruise control should not be used

Do not use the cruise control in the following situations. As the system will not be able to provide appropriate control, using it may lead to an accident resulting in death or serious injury.

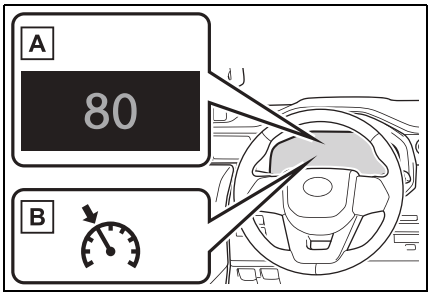
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients

Vehicle speed may exceed the set speed when driving down a steep hill.

- When it is necessary to disable the system: →P.306

System Components

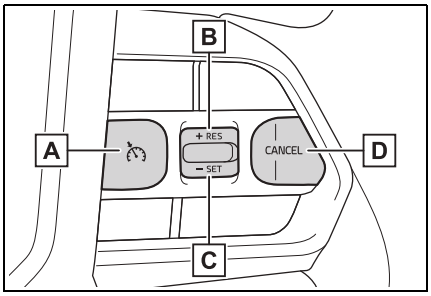
■ Meter display



A Set vehicle speed

B Cruise control indicator

■ Switches



A Cruise Control main switch

B "+" switch / "RES" switch

C "-" switch / "SET" switch

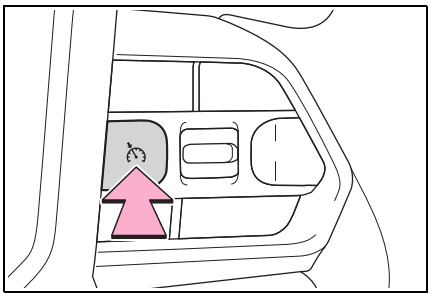
D Cancel switch

Using the cruise control

■ Setting the vehicle speed

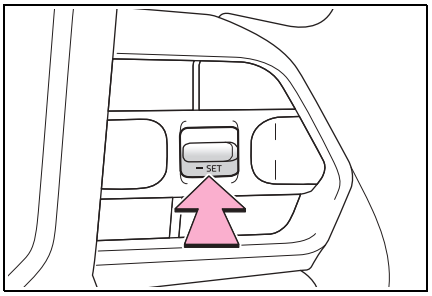
1 Press the cruise control main switch to activate the Cruise Control Mode.

The cruise control indicator will illuminate.



2 Using the accelerator pedal, accelerate to the desired vehicle speed (approximately 30 km/h [20 mph] or more), and press the “SET” switch to set the set vehicle speed.

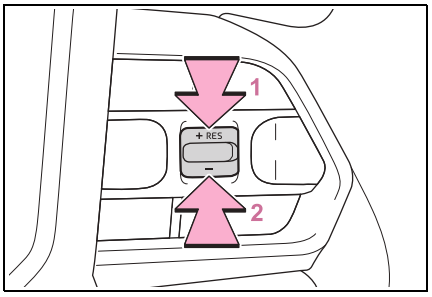
The vehicle speed at the moment the switch is released will be the set vehicle speed.



■ Adjusting the set vehicle speed

- Adjusting the set vehicle speed using the switches

To change the set vehicle speed, press the “+” or “-” switch until the desired speed is displayed.



1 Increase set vehicle speed

2 Decrease set vehicle speed

The set vehicle speed will increase or decrease as follows:

Fine adjustment: By 1 km/h (0.6 mph) or 1 mph (1.6 km/h) each time the switch is pressed

Large adjustment: Increases continuously while the switch is pressed and held

- Increasing the set vehicle speed using the accelerator pedal

1 Depress the accelerator pedal to accelerate the vehicle to the desired vehicle speed.

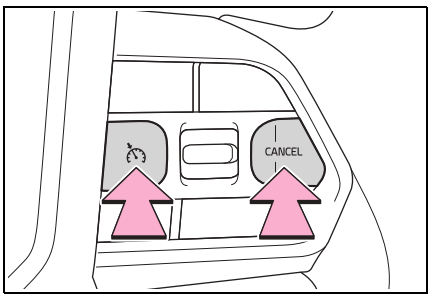
2 Press the “+” switch.

■ Canceling/resuming control

1 Press the cancel switch or cruise control main switch to cancel control.

Control will also be canceled if the

brake pedal is depressed.



2 Press the “RES” switch to resume control.

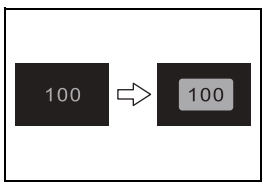
■ **Automatic cancellation of the cruise control**

In the following situations, the cruise control will be canceled automatically:

- When the vehicle speed drops approximately 16 km/h (10 mph) or more below the set vehicle speed
- When the vehicle speed drops below approximately 30 km/h (20 mph)
- When the brake control or output restriction control of a driving support system operates (For example: PCS, drive-start control)
- When the parking brake has been operated
- Situations in which some or all of the functions of the system cannot operate: →P.312

Display and system operation state

The operating state of cruise control is indicated.

Indicator	Multi-information display		Situation
 White		Blank	Cruise control being OFF
 Green		Set vehicle speed: Green	Constant speed cruising
 Green		Set vehicle speed: White in reverse display	Set vehicle speed being exceeded

Emergency Driving Stop System*

*: If equipped

The emergency driving stop system is a system which automatically decelerates and stops the vehicle within its lane if the driver becomes unable to continue driving the vehicle, such as if they have suffered a medical emergency, etc.

During LTA (Lane Tracing Assist) control, if the system does not detect driving operations, such as if the driver is not holding the steering wheel, and determines the driver is not responsive, the vehicle will be decelerated and stopped within its current lane to help avoid a collision or reduce the impact of a collision.

WARNING

■ For safe use

- Driving safely is solely the responsibility of the driver. Pay careful attention to the surrounding conditions in order to ensure safe driving. The emergency driving stop system is designed to provide support in an emergency where it is difficult for the driver to continue driving, such as if they have had a medical emergency. It is not designed to support driving while drowsy or in poor physical health, or inattentive driving.
- Although the emergency driving stop system is designed to decelerate the vehicle within its lane to help avoid or help reduce the impact of a collision if the system determines that it is difficult for the driver to continue driving, its effectiveness may change according to various conditions. Therefore, it may not always be able to achieve the same level of performance. Also, if the operating conditions are not met, this function will not operate.
- After the emergency driving stop system operates, if driving becomes possible again, immediately begin driving again or, if necessary, park the vehicle on the shoulder of the road and set a warning reflector and flare to warn other drivers of your stopped vehicle.
- After this system operates, passengers should attend to the driver as necessary and take appropriate hazard prevention measures, such as moving to a place where safety can be ensured, such as the shoulder of the road or behind a guardrail.
- This system detects the condition of the driver through the operation of the steering wheel. This system may operate if the driver is aware but intentionally and continuously does not operate the vehicle. Also, the system may not operate if it cannot determine that the driver is not responsive, such as if they are leaning on the steering wheel.

Summary of the system

Operation of this system is separated into 4 control states. Through control state “warning phase 1” and “warning phase 2”, the system

determines if the driver is aware and responsive while outputting a warning and controlling the vehicle speed. If the system determines the driver is not responsive, it will operate in control state “deceleration stop phase” and “stop hold phase” and decelerate and stop the vehicle. It will then operate continuously in “stop hold phase”.

■ **Operating conditions**

This system operates when all of the following conditions are met:

- When the LTA is on
- When the vehicle speed is approximately 50 km/h (30 mph) or more

■ **Operation cancelation conditions**

In the following situations, system operation will be canceled:

- When LTA control has been canceled (the LTA switch has been pressed, etc.)
- When the dynamic radar cruise control has been canceled
- When driver operations are detected (the steering wheel is held, the brake pedal, accelerator pedal, parking brake, emergency flasher switch, or turn signal lever is operated)
- When the driving assist switch is pressed while in the stop and hold phase
- When the engine switch has been turned from ON to off
- Situations in which some or all of the functions of the system cannot operate: →P.312

■ **LTA control when operation is canceled**

When emergency driving stop system operation is canceled, LTA control may also be canceled.

Warning phase 1

If driving operations are not detected after the hands off steering wheel warning operates, a buzzer will sound intermittently and a message will be displayed to warn the driver, and the system will judge if the driver is responsive or not. If driving operations, such as holding the steering wheel, are not performed within a certain amount of time, the system will enter warning phase 2.

Warning phase 2

After entering warning phase 2, a buzzer will sound in short intervals and a message will be displayed to warn the driver, and the vehicle will slowly decelerate. If driving operations, such as holding the steering wheel, are not performed within a certain amount of time, the system will determine that the driver is not responsive and enter the deceleration stop phase.

When the vehicle is decelerating, the brake lights may illuminate, depending on the road conditions, etc.

After the vehicle has decelerated a certain amount, the emergency flashers (hazard lights) will flash.

Deceleration stop phase

After the driver is judged as being not responsive, a buzzer will sound continuously and a message will be

displayed to warn the driver, and the vehicle will slowly decelerate and stop. While the vehicle is decelerating, the emergency flashers (hazard lights) will flash to warn other drivers of the emergency.

Stop hold phase

After the vehicle is stopped, the parking brake will be applied automatically. After entering the stop and hold phase, the buzzer will continue sounding continuously, the emergency flashers (hazard lights) will flash to warn other drivers of the emergency, and the doors will unlock.

■ Restricted functions after the operation is canceled

After shifting to the deceleration stop phase, the following functions will not be available until the engine is re-started even though the emergency driving stop system is canceled:

- LTA

Stop & Start system*

*: If equipped

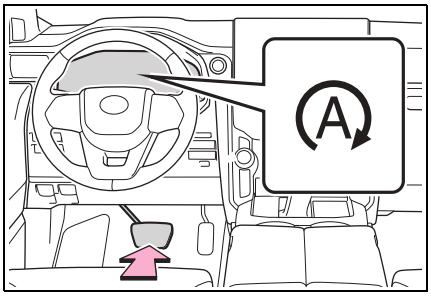
The Stop & Start system stops and starts the engine according to brake pedal or shift lever operation when the vehicle is stopped, such as at a stoplight, intersection, etc., in order to improve fuel economy and reduce noise pollution caused by the engine idling.

Stop & Start system operation

■ Stopping the engine

While driving with the D shift position selected, depress the brake pedal and stop the vehicle. The engine will stop automatically.

When the engine stops, the Stop & Start indicator will illuminate.



■ Restarting the engine

Release the brake pedal. The engine will start automatically.

When the engine starts, the Stop & Start indicator will turn off.

■ **When the brake hold system is operating**

- When the engine is stopped by the Stop & Start system, if the brake pedal is released the engine will remain stopped. When a vehicle stops forward or a person walks the front and so on, the engine may be restarted.
- If the accelerator pedal is depressed while the engine is stopped by the Stop & Start system, the engine will restart.
- While the engine is stopped by the Stop & Start system, if the engine is restarted, the brake hold system will continue to apply the brakes, unless the operation conditions of the brake hold system are no longer met. (→P.282)

■ **When the dynamic radar cruise control is operating (Vehicles with a dynamic radar cruise control)**

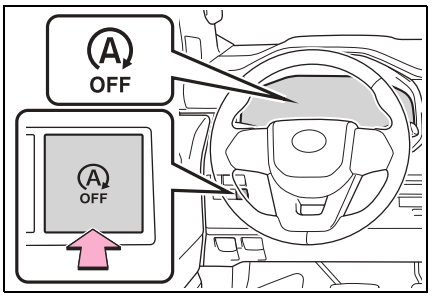
- When the vehicle is stopped by the dynamic radar cruise control, the engine will stop automatically even though the brake pedal is not depressed.
- When the preceding vehicle starts off, the engine will restart automatically.
- If the engine is restarted by the Stop & Start system while the vehicle is stopped by the dynamic radar cruise control, the vehicle will remain stopped.

Disabling the Stop & Start system

Press the Stop & Start cancel switch to disable the Stop & Start system.

The Stop & Start cancel indicator will illuminate.

Pressing the switch again will enable the Stop & Start system and the Stop & Start cancel indicator will turn off.



■ **Automatic enabling of the Stop & Start system**

If the Stop & Start system is disabled using the Stop & Start cancel switch, it will be automatically re-enabled once the engine switch is turned off and then the engine is started.

Hill-start assist control

When the engine is stopped by the Stop & Start system when the vehicle is on an incline, when the brake pedal is released, brake force is temporarily maintained to prevent the vehicle from rolling backwards before the engine is restarted and drive force is generated. When

drive force is generated, the maintained brake force is automatically canceled.

- This function operates on flat surfaces as well as steep inclines.
- Sound may be generated from the brake system, but this does not indicate a malfunction.
- Brake pedal response may change and vibration may occur, but this does not indicate a malfunction.

Points for use

- If the engine switch is pressed when the engine is stopped by the Stop & Start system, the engine will not be able to be restarted by the automatic engine start function. In this case, restart the engine using the normal engine starting procedure. (→P.265)
- When the engine is being restarted by the Stop & Start system, the power outlets may be temporarily unusable, but this does not indicate a malfunction.
- Installation and removal of electrical components and wireless devices may affect the Stop & Start system. Contact your Toyota dealer for details.
- When stopping the vehicle for a longer period of time, turn the engine switch off to stop the engine completely.
- When the engine is restarted by the Stop & Start system, the steering wheel may temporarily feel heavy.
- While driving in L4 mode, it is recommended that the Stop & Start system be canceled because the system may not operate properly.

Operating conditions

- The Stop & Start system is operational when all of the following conditions are met:
  - The vehicle has been driven a certain amount of time.
  - The brake pedal is being depressed firmly.

(Except when the vehicle is stopped by the dynamic radar cruise control when in vehicle-to-vehicle distance control mode)

  - The D shift position is selected.
  - The driver's seat belt is fastened.
  - The driver's door is closed.
  - The selected driving mode is normal, ECO or Comfort mode. (if equipped)
  - The selected driving mode is not second start mode. (if equipped)
  - The center differential is not locked.
  - The rear differential is not locked. (if equipped)
  - The Multi-terrain Select is not operated. (if equipped)
  - The Crawl Control is not operated. (if equipped)
  - The windshield defogger is off.
  - Heater idle up switch is OFF (diesel engine only)
  - The accelerator pedal is not being depressed.
  - The engine is adequately warmed up.
  - The outside temperature is -5°C (23°F) or higher.
  - The hood is closed. (→P.361)
- In the following situations the engine may not be stopped by the Stop & Start system. This is not a malfunction of the Stop & Start system.
  - When the air conditioning system is being used.
  - When the battery is undergoing a periodic recharge.
  - When the battery is not sufficiently charged, such as if the vehicle has been parked for a long time and the battery charge has decreased, the electric load is large, the battery fluid temperature is excessively low or the battery has deteriorated.*
  - When the elapsed time since the engine was restarted is short.
  - When the vehicle is stopped fre-

quently, such as when in a traffic jam.
- When the engine coolant temperature or transmission fluid temperature is extremely low or high.
- When the vehicle is stopped on a steep incline.
- When the steering wheel is being operated.
- When the vehicle is being driven in a high altitude area.
- When the battery fluid temperature is extremely low or high.
- For a while after the battery terminals have been disconnected and reconnected.

*: The state that the engine is not stopped may continue.

● When the engine is stopped by the Stop & Start system, the engine will be restarted automatically if any of the following conditions are met:

(To enable the engine to be stopped by the Stop & Start system again, drive the vehicle.)
- The air conditioning system is being used.
- Heater idle up switch is turned on. (diesel engine only)
- The windshield defogger is turned on.
- The shift lever is shifted from D or P.
- The shift lever is shifted from P. (When the engine is stopped by the Stop & Start system when the shift lever is in P.)
- The driver's seat belt is unfastened.
- The driver's door is opened.
- The driving mode is changed from normal, ECO or Comfort mode to another mode. (if equipped)
- The driving mode is changed to second start mode. (if equipped)
- The center differential is locked.
- The rear differential is locked. (if equipped)
- The Multi-terrain Select is operated. (if equipped)
- The Crawl Control is operated. (if equipped)
- The Stop & Start cancel switch is pressed.
- The steering wheel is operated.
- The accelerator pedal is depressed.
- The vehicle starts to roll on an incline.

● When the engine is stopped by the Stop & Start system, the engine may restart automatically in the following situations: (To enable the engine to be stopped by the Stop & Start system again, drive the vehicle.)

When the brake pedal is pumped or strongly depressed.
- When the air conditioning system is being used.
- When a switch of the air conditioning system is operated (windshield defogger switch, etc.).
- If the battery charge becomes low.

■ When the hood is opened

● If the hood is opened while the engine is stopped by the Stop & Start system, the engine will stall and will not be able to be restarted by the automatic engine start function. In this case, restart the engine using the normal engine starting procedure. (→P.265)

● If the hood is closed after the engine is started with the hood open, the Stop & Start system will not operate. Close the hood, turn the engine switch off, wait 30 seconds or more, and then start the engine.

■ Air conditioning system operation while the engine is stopped by the Stop & Start system

When the air conditioning is in automatic mode and the engine is stopped by the Stop & Start system, the fan may operate at a low speed in order to prevent the temperature in the cabin from increasing or decreasing or may be stopped.

To prioritize air conditioning system performance when the vehicle is stopped, disable the Stop & Start system by pressing the Stop & Start cancel switch.

● If the windshield is fogged up

Turn the windshield defogger on. (→P.513)

If the windshield fogs up frequently,

press the Stop & Start cancel switch to disable the Stop & Start system.

● If an odor is emitted from the air conditioning system

Press the Stop & Start cancel switch to deactivate the Stop & Start system.

■ Changing the idling stop time with the air conditioning system on

The length of time the Stop & Start system will operate when the air conditioning system is on can be changed in ⚙ of the multi-information display (→P.146, 157). (The length of time the Stop & Start system will operate when the air conditioning system is off cannot be changed.)

■ Displaying the Stop & Start system status

→P.130, 135

■ Multi-information display messages

If the following situations, (A) and a message may be displayed on the multi-information display.

● When the engine cannot be stopped by the Stop & Start system

(A) "Press Brake More to Activate"

• The brake pedal is not sufficiently depressed.

→If the brake pedal is depressed further, the system will operate.

(A) "Non-dedicated Battery"

• A battery not designed for use with a Stop & Start system may have been installed.

→Have the vehicle inspected by your Toyota dealer.

(A) "Battery Charging"

• The battery charge may be low.

→Stopping of the engine is temporarily prohibited to prioritize charging of the battery. After the engine runs for a certain amount of time, the system will be enabled.

• A refresh charge may be occurring

→After a refresh charge for up to an hour completes, the system can be operated.

• If displayed continuously for a long time (more than an hour)

→The battery may be deteriorated. Contact your Toyota dealer for details.

(A) "Stop & Start System Unavailable"

• The Stop & Start system is temporarily disabled.

→Allow the engine to run for some time.

• The engine may have been started with the hood open.

→Close the hood, turn the engine switch off, wait for 30 seconds or more, and then start the engine.

(A) "For Climate Control"

• The air conditioning system is being used when the ambient temperature is high or low.

→If the difference between the set temperature and cabin temperature becomes small, the system will be enabled.

• The windshield defogger is on.
• Heater idle up switch is on. (diesel engine only)

● When the engine automatically restarts while stopped by the Stop & Start system


"For Climate Control"

- The air conditioning system is being used.
- The windshield defogger has been turned on.
- Heater idle up switch has been turned on. (diesel engine only)


"Battery Charging"

- The battery charge may be low.

→The system will be enabled after the engine runs to sufficiently charge the battery.

■ When the buzzer sounds

If the driver's door is opened when the engine is stopped by the Stop & Start system and the shift lever is in D, a buzzer will sound and the Stop & Start system indicator will flash. To stop the buzzer, close the driver's door.

■ The Stop & Start system protection function

- When the volume of the audio system is excessively high, sound output from the audio system may suddenly be cut off in order to reduce battery consumption. To prevent the audio system from being cut off, keep the volume of audio system at a moderate level. If the audio system has been cut off, turn the engine switch off, wait for 3 seconds or more and then turn it to ACC or ON to re-enable the audio system.
- The audio system may not be activated if the battery terminals are disconnected and then reconnected. If this occurs, turn the engine switch off and then repeat the following operation twice to activate the audio system normally.
  - Turn the engine switch to ON and then to off.

■ Replacing the battery

→P.672

■ If the Stop & Start cancel indicator flashes continuously

The system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

■ If "Stop & Start System 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

■ When the Stop & Start system is operating

Make sure to disable the Stop & Start system while the vehicle is in a poorly ventilated area.

If not disabled, the engine may be automatically restarted unexpectedly, causing exhaust gases to collect and enter the vehicle, possibly resulting in death or a serious health hazard.

- Do not leave the vehicle while the engine is stopped by the Stop & Start system (while the Stop & Start indicator is on). An accident may occur due to the automatic engine start function.
- Depress the brake pedal and apply the parking brake when necessary while the engine is stopped by the Stop & Start system (while the Stop & Start indicator is on).

NOTICE

■ To ensure the system operates correctly

If any of the following situations occur, the Stop & Start system may not operate correctly. Have your vehicle inspected by your Toyota dealer.

- While the driver's seat belt is fastened, the driver's and front passenger's seat belt reminder light flashes.

NOTICE

- Even though the driver's seat belt is not fastened, the driver's and front passenger's seat belt reminder light does not illuminate.
- Even though the driver's door is closed, the open door warning light is illuminated or the interior light is illuminated when the interior light switch is in the door position.
- Even though the driver's door is open, the open door warning light does not illuminate or the interior light does not illuminate when the interior light switch is in the door position.

BSM (Blind Spot Monitor)*

*: If equipped

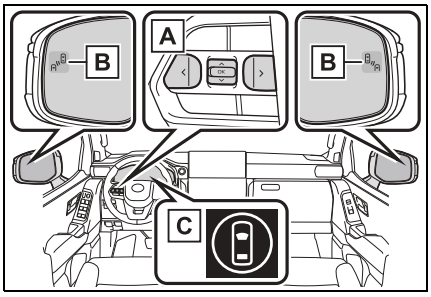
The Blind Spot Monitor is a system that uses rear side radar sensors installed on the inner side of the rear bumper on the left and right side to assist the driver in confirming safety when changing lanes.

WARNING

■ Cautions regarding the use of the system

- The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.
- The Blind Spot Monitor is a supplementary function which alerts the driver that a vehicle is in a blind spot of the outside rear view mirrors or is approaching rapidly from behind into a blind spot. Do not overly rely on the Blind Spot Monitor. As the function cannot judge if it is safe to change lanes, over reliance could lead to an accident resulting in death or serious injury. As the system may not function correctly under certain conditions, the driver's own visual confirmation of safety is necessary.

System components



A Meter control switches

Turning the Blind Spot Monitor on/off.

B Outside rear view mirror indicators

When a vehicle is detected in a blind spot of the outside rear view mirrors or approaching rapidly from behind into a blind spot, the outside rear view mirror indicator (→P.127) on the detected side will illuminate. If the turn signal lever is operated toward the detected side, the outside rear view mirror indicator will flash and a buzzer will sound.

C Driving assist information indicator

Illuminates when the Blind Spot Monitor is turned off. At this time, a message will be displayed on the multi-information display.

Outside rear view mirror indicator visibility

In strong sunlight, the outside rear view mirror indicator may be difficult to see.

Buzzer

If the volume setting of the audio system is high or the surrounding area is loud, it may be difficult to hear the buzzer.

Customization

Some functions can be customized. (→P.700)

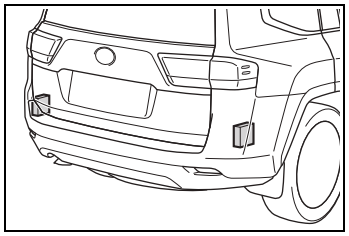
WARNING

To ensure the system can operate properly

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 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.368) satisfied for approximately 10 minutes. If the warning message does not disappear, have the vehicle inspected by your Toyota dealer.



- Do not attach accessories, stickers (including transparent stickers), aluminum tape, etc. to a sensor or its surrounding area on the rear bumper.
- Do not paint the surrounding area of a sensor on the rear bumper.

WARNING

- 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.
- The sensors are likely to be affected by paint on the rear bumper. If the rear bumper is not repaired correctly, the Blind Spot Monitor may not operate with a warning message displayed. If any paint repair is needed, contact your Toyota dealer.

Turning the Blind Spot Monitor on/off

The Blind Spot Monitor can be enabled/disabled through a customize setting. (→P.700)

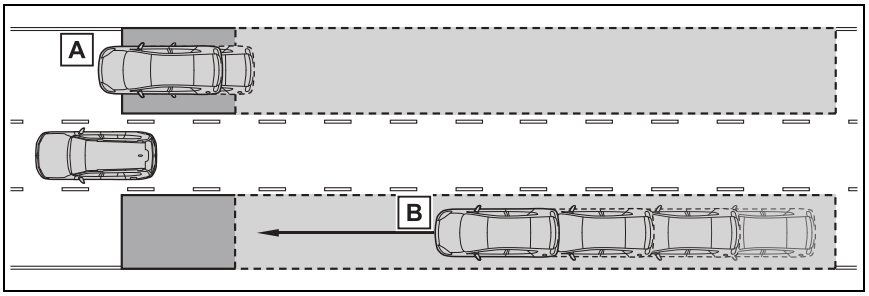
When the Blind Spot Monitor is off, the driving assist information indicator (→P.127) will illuminate and a message will be displayed on the multi-information display.

Each time the engine switch is turned to ON, the Blind Spot Monitor is enabled.

Blind Spot Monitor operation

Objects that can be detected while driving

The Blind Spot Monitor uses rear side radar sensors to detect the following vehicles traveling in adjacent lanes and advises the driver of the presence of such vehicles via the indicators on the outside rear view mirrors.

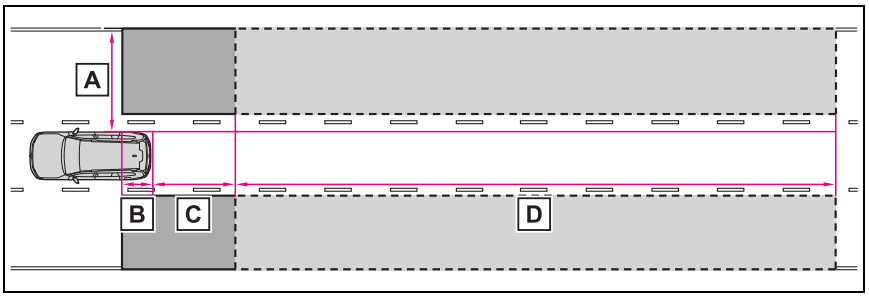


A Vehicles that are traveling in areas that are not visible using the outside rear view mirrors (the blind spots)

B Vehicles that are approaching rapidly from behind in areas that are not visible using the outside rear view mirrors (the blind spots)

■ Detection range while driving

The areas that vehicles can be detected in are outlined below.



The range of each detection area is:

A Approximately 0.5 m (1.6 ft.) to 3.5 m (11.5 ft.) from either side of the vehicle*1

B Approximately 1 m (3.3 ft.) forward of the rear bumper*2

C Approximately 3 m (9.8 ft.) from the rear bumper

D Approximately 3 m (9.8 ft.) to 70 m (230 ft.) from the rear bumper*3

*1: The area between the side of the vehicle and 0.5 m (1.6 ft.) from the side of the vehicle cannot be detected.

*2: While the vehicle is to being overtaken, up to approximately 3 m (9.8 ft.) forward of the rear bumper will be detected.

*3: 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 linked function

The LDA (Lane Departure Alert) has a function that uses information of detected vehicles driving in an adjacent lane. For details about the function and its operating conditions, P.330.

■ The Blind Spot Monitor is operational when

The Blind Spot Monitor is operational when all of the following conditions are met:

- The engine switch is in ON.
- The Blind Spot Monitor is on.
- The shift lever is in a position other than R.
- The vehicle speed is approximately 10km/h (7mph) or more.

■ 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.

■ Situations in which the Blind Spot Monitor cannot detect vehicles

The Blind Spot Monitor cannot detect the following vehicles and other 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 in which a buzzer may not sound

In situations such as the following, while the turn signal lever is being operated, the indicator will flash but a buzzer may not sound.

- When a second vehicle is detected while the turn signal lever is being held
- When overtaking a vehicle in the adjacent lane at a much higher speed than it*

*: Depending on the situations, a buzzer may sound.

■ Conditions under which the system 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 wet road surface, such as in a puddle, while in inclement weather, such as heavy rain, snow, fog, etc.
  - 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
- When towing with the vehicle

● 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
- When towing with the vehicle

Rear Vehicle Approaching Indication*

*: If equipped

The rear vehicle approaching indication is a system that uses radar sensors installed on the inner side of the rear bumper. By notifying the driver of a vehicle approaching behind your vehicle, the system assists the driver in judging whether or not an evasive action should be taken.

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 rear vehicle approaching indication is a supplementary system that informs the driver of the existence of a vehicle approaching behind your vehicle.

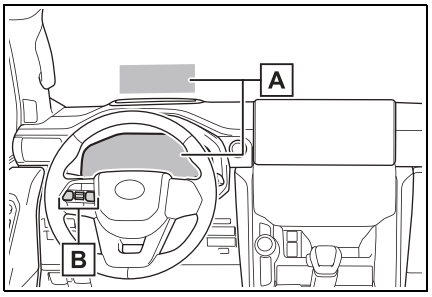
As this system may not function to its fullest extent in certain situations, the driver's own visual confirmation of safety is necessary.

Over reliance on this function may lead to an accident resulting death or serious injury.

■ To ensure the system can operate properly

→P.365

System components



A Multi-information display/head-up display*

Notifies through message and buzzer when your vehicle may obstruct the passing of the vehicle behind you.

B Meter control switches

Turning the Rear Vehicle Approaching Indication on/off.

*: If equipped

Turning the Rear Vehicle Approaching Indication on/off

The Rear Vehicle Approaching Indication can be enabled/disabled through a customize setting. (→P.700)

■ Buzzer

If the volume setting of the audio system is high or the surrounding area is loud, it may be difficult to hear the buzzer.

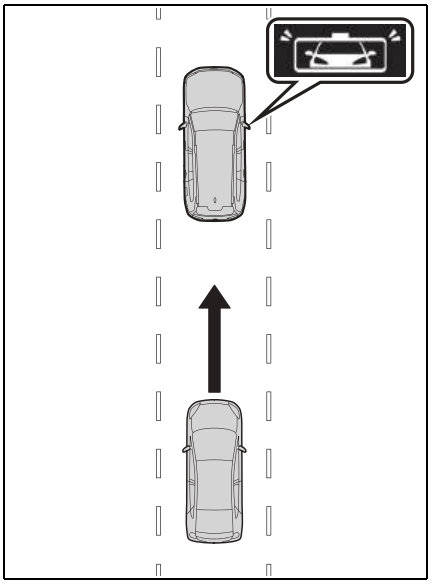
■ Customization

Some functions can be customized. (→P.700)

Rear Vehicle Approaching Indication operation

On detecting a vehicle approaching behind your vehicle using the rear side radar sensors, the rear vehicle approaching indication notifies the driver of the existence of the vehicle through a message on the multi-information display or head-up display*, and a buzzer.

*: If equipped



■ Operating conditions of Rear Vehicle Approaching Indication

When the following conditions are met, the Rear Vehicle Approaching Indication will operate:

- The engine switch is in ON.
- The Rear Vehicle Approaching Indication is on.
- The shift lever is in a position other than R.
- The vehicle speed is approximately 100 km/h (63mph) or more.
- The turn signal lever is not being operated.
- The brake pedal is not depressed.
- Approximately 5 or more minutes have elapsed since the system was operated.

■ The Rear Vehicle Approaching Indication will detect a vehicle when

The rear vehicle approaching indication detects vehicles within the detection range when a following vehicle driving in the same lane is approaching.

■ Situations in which the Rear Vehicle Approaching Indication cannot detect vehicles

The Rear Vehicle Approaching Indication cannot detect the following vehicles and other objects:

- Small motorcycles, bicycles, pedestrians, etc.*
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Vehicles traveling in the opposite direction
- A vehicle in an adjacent lane*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

■ Situations in which the Rear Vehicle Approaching Indication may not operate properly

- In the following situations, the system may not detect a following vehicle properly:
  - 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 wet road surface, such as in a puddle, while in inclement weather, such as heavy rain, snow, fog, etc.
  - When driving up and down consecu-

tive steep inclines, such as hills, dips in the road, etc.
- When towing with the vehicle
- When the following vehicle is not approaching from straight behind your vehicle
- When the following vehicle is approaching from an angle
- If a vehicle suddenly cuts behind your vehicle
- When your vehicle cuts in front of another vehicle
- When the following vehicle is surrounded by other vehicles
- When there is a static object, such as a guardrail or wall, around a following vehicle
- When a following vehicle, which approached your vehicle then moved away, is approaching again
- When a following vehicle is moving away from your vehicle
- When a following vehicle is overtaking your vehicle
- When driving on roads with sharp bends, consecutive curves, or uneven surfaces
- When the height of a following vehicle is too much different from that of your vehicle

● Especially in situations such as the following, the system may operate even if it is unlikely for a following vehicle to approach your vehicle:
- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When towing with the vehicle
- When your vehicle is surrounded by other vehicles
- When making a left/right turn and a following vehicle passes immediately behind your vehicle
- When a following vehicle closely approaches your vehicle before overtaking
- When a vehicle driving in an adjacent lane is within the detection range, such as when your vehicle is driving on a narrow lane road or driving on the edge of a lane
- When there are more than one vehicle around a following vehicle
- When passing through a location with a structure above the road (traffic sign, billboard, etc.)
- When there is a static object, such as a guardrail or wall, around a following vehicle
- When there is an adjacent vehicle while on a curve
- When your vehicle cuts in front of another vehicle

Automatic Rear Flashing Hazard Lights*

*: If equipped

The Automatic Rear Flashing Hazard Lights is a system that uses the rear side radar sensors located on the inside of the rear bumper. When the system determines that the possibility of a rear-end collision is high, it flashes the emergency flashers rapidly to warn the driver of the following vehicle.

WARNING

■ Cautions regarding the use of the system

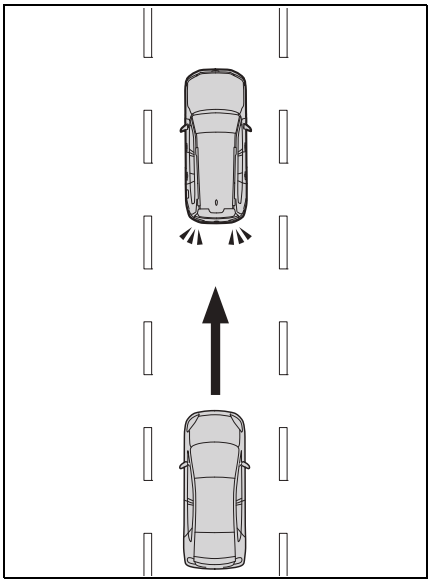
The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings. The Automatic Rear Flashing Hazard Lights is an auxiliary system that flashes the emergency flashers rapidly to warn the driver of the following vehicle when it determines that the possibility of a rear-end collision is high. As this system may not function to its fullest extent in certain situations, 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.

■ To ensure the system can operate properly

→P.365

Automatic Rear Flashing Hazard Lights operation

The rear side radar sensors detect following vehicles driving in the same lane. If the system determines that the possibility of a rear-end collision is high, the emergency flashers will flash rapidly to warn the driver of the following vehicle. Simultaneously, a message will be displayed on the multi-information display to notify the driver of the approach of the following vehicle.



■ Operating conditions of Automatic Rear Flashing Hazard Lights

When the following conditions are met, the Automatic Rear Flashing Hazard Lights will operate:

- The engine switch is in ON.
- The shift lever is in a position other than R.
- The turn signal lever is not being operated.
- The relative speed between your vehicle and the following vehicle is between approximately 30 and 100 km/h (19 and 62 mph)

● Your vehicle is being driven at approximately 10 km/h (7 mph) or less or at any speed with the brake pedal depressed.

■ **The Automatic Rear Flashing Hazard Lights will detect a vehicle when**

The Automatic Rear Flashing Hazard Lights detects the following vehicle driving in the same lane within the detection range, when it determines that the possibility of a rear-end collision with it is high.

■ **Situations in which the Automatic Rear Flashing Hazard Lights cannot detect vehicles**

The Automatic Rear Flashing Hazard Lights cannot detect the following vehicles and other objects:

● Small motorcycles, bicycles, pedestrians, etc.*

● Guardrails, walls, signs, parked vehicles and similar stationary objects*

● Vehicles traveling in the opposite direction

● A vehicle in an adjacent lane*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

■ **Situations in which the Automatic Rear Flashing Hazard Lights may not operate properly**

● In the following situations, the system may not detect a following vehicle properly:

- 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 the vehicle is stopped or driving on a wet road surface, such as in a puddle, while in inclement weather, such as heavy rain, snow, fog, etc.
- When driving up and down consecutive steep inclines, such as hills, dips in the road, etc.
- When towing with the vehicle
- When the following vehicle is not approaching from straight behind your vehicle
- When the following vehicle is approaching from an angle
- If a vehicle suddenly cuts behind your vehicle
- When the following vehicle is surrounded by other vehicles
- When there is a static object, such as a guardrail or wall, around a following vehicle
- When a bicycle carrier or other accessory is installed to the rear of your vehicle
- When the height of a following vehicle is too much different from that of your vehicle

● In the following situations, the system may operate even though there is no possibility of a collision

- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When towing with the vehicle
- When your vehicle is surrounded by other vehicles
- When your vehicle is stopped to make a turn at an intersection, etc. and a vehicle passes your vehicle from straight behind
- When your vehicle is stopped on the roadside, etc. and a vehicle passes close to the side of your vehicle
- When a following vehicle closely approaches your vehicle before overtaking
- When a following vehicle suddenly approaches to close to your vehicle
- When there is a static object, such as a guardrail or wall, around a following vehicle

Secondary Collision Brake (Rear Impacts while Stopped)*

*: If equipped

The Secondary Collision Brake (Rear Impacts while Stopped) is a system that uses the rear side radar sensors located on the inside of the rear bumper. When the system determines that the possibility of a rear-end collision while the vehicle is stopped is very high, the brakes are controlled automatically to help reduce the possibility of further damage due to a secondary collision.

WARNING

■ Cautions regarding the use of the system

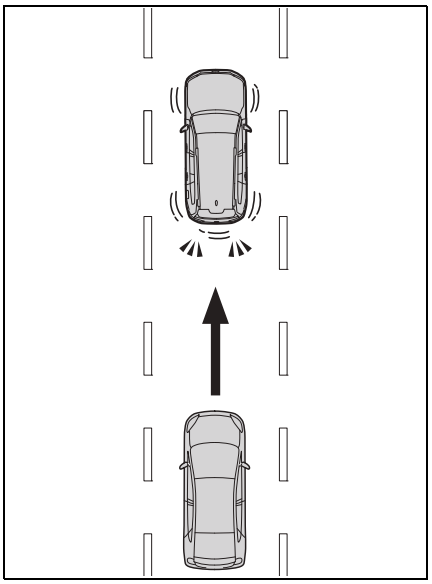
The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings. The Secondary Collision Brake (Rear Impacts while Stopped) is an auxiliary system that controls the brakes automatically when it determines that the possibility of a rear-end collision with the following vehicle driving in the same lane is very high while the vehicle is stopped. As the Secondary Collision Brake (Rear Impacts while Stopped) may not function to its fullest extent in certain situations, 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.

■ To ensure the system can operate properly

→P.365

Secondary Collision Brake (Rear Impacts while Stopped) operation

With the Secondary Collision Brake (Rear Impacts while Stopped), the rear side radar sensors detect a following vehicle driving in the same lane while the vehicle is stopped. If the system determines that the possibility of a rear-end collision is very high, the brakes and brake lights will be automatically controlled to reduce the vehicle speed after the rear-end collision and help reduce the possibility of further damage due to a secondary collision.



■ **Operating conditions of Secondary Collision Brake (Rear Impacts while Stopped)**

When the following conditions are met, the Secondary Collision Brake (Rear Impacts while Stopped) will operate:

- The engine switch is in ON.
- The shift lever is in a position other than R.*
- The turn signal lever is not being operated.
- Approximately 7 or more minutes have elapsed since the system was operated.
- The relative speed between your vehicle and the following vehicle is between approximately 30 and 100 km/h (19 and 62 mph)
- The vehicle speed is approximately 0 km/h (0 mph).

*: When the N shift position is selected, the system is not operational when none of the brake pedal, parking brake, and brake hold system are operated.

■ **The Secondary Collision Brake (Rear Impacts while Stopped) will detect a vehicle when**

The Secondary Collision Brake (Rear Impacts while Stopped) detects the following vehicle driving in the same lane within the detection range, when it determines that the possibility of a rear-end collision with it is very high.

■ **Situations in which the Secondary Collision Brake (Rear Impacts while Stopped) cannot detect vehicles**

The Secondary Collision Brake (Rear Impacts while Stopped) cannot detect the following vehicles and other objects:

- Small motorcycles, bicycles, pedestrians, etc.*
- Guardrails, walls, signs, parked vehicles and similar stationary objects*
- Vehicles traveling in the opposite direction
- A vehicle in an adjacent lane*

*: Depending on the conditions, detection of a vehicle and/or object may occur.

■ **Situations in which the Secondary Collision Brake (Rear Impacts while Stopped) may not operate properly**

- In the following situations, the system may not detect a following vehicle properly:
  - 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 the vehicle is stopped on a wet road surface, such as in a puddle, while in inclement weather, such as heavy rain, snow, fog, etc.
  - When driving up and down consecutive steep inclines, such as hills, dips in the road, etc.
  - When towing with the vehicle
  - When a following vehicle approaches immediately after your vehicle is stopped
  - When the following vehicle is not approaching from straight behind your vehicle
  - When the following vehicle is approaching from an angle
  - If a vehicle suddenly cuts behind your vehicle
  - When the following vehicle is surrounded by other vehicles
  - When there is a static object, such as a guardrail or wall, around a following vehicle
  - When the height of a following vehicle is too much different from that of your vehicle
  - When an accessory (such as a bicycle carrier) is installed to the rear of the vehicle
- Especially in situations such as the following, the system may operate even though there is no possibility of a

collision:

- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area
- When towing with the vehicle
- When your vehicle is stopped to make a turn at an intersection, etc. and a vehicle passes your vehicle from straight behind
- When the vehicle is stopped at a roadside, etc. and another vehicle passes right next to your vehicle
- When a following vehicle closely approaches your vehicle before overtaking
- When a following vehicle suddenly approaches close to your vehicle
- When your vehicle is surrounded by other vehicles
- When there is a static object, such as a guardrail or wall, around a following vehicle
- When a following vehicle approaches immediately before stopping or immediately after starting off
- When braked on a slippery road, etc., locking your tires, and a following vehicle approaches
- When the vehicle is washed in a car wash machine

Safe Exit Assist*

*: If equipped

The safe exit assist is a system that uses rear side radar sensors installed on the inner side of the rear bumper to help occupants judge if an approaching vehicle or bicycle may collide with a door when exiting, to help reduce the possibility of a collision.

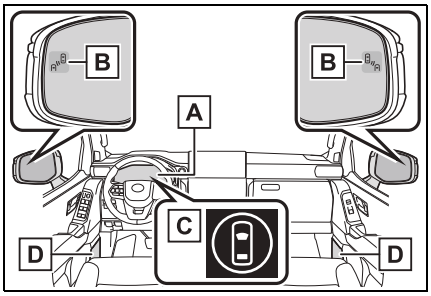
WARNING

■ 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 safe exit assist is a supplementary system that, when the vehicle is stopped, informs occupants of the existence of approaching vehicles and bicycles. As this system alone cannot be used to judge safety, over-reliance on this system may lead to an accident resulting in death or serious injury.

In certain situations, this system may not function to its fullest extent. Therefore it is necessary for the occupants to visually check for safety directly and using the mirrors.

System components



A Multi-information display

Turning the safe exit assist on/off.

If collision with a door is likely and the door is opened, the door will be displayed on the multi-information display. Also, if a door is opened when an outside rear view mirror indicator is illuminated, a buzzer will sound as a warning.

B Outside rear view mirror indicators

When a vehicle or bicycle which may collide with a door (other than the back door) when opened is detected, the outside rear view mirror indicator (→P.127) on the detected side will illuminate. If the door on the detected side is opened, the outside rear view mirror indicator will blink.

C Driving assist information indicator

Illuminates when the safe exit assist is turned off. At this time, a message will be displayed on the multi-information display.

D Speakers (voice notifications*)

When the outside rear view mirror indicator blinks, the driver is informed through voice guidance that the system has operated. After the notification through voice guidance is made, no more voice guidance notifications will be made again until the door is fully closed.

*: If equipped

■ **Outside rear view mirror indicator visibility**

In strong sunlight, the outside rear view mirror indicator may be difficult to see.

■ **Buzzer**

If the volume setting of the audio system is high or the surrounding area is loud, it may be difficult to hear the buzzer.

■ **Voice notifications (if equipped)**

In the following situations, voice notifications will not be output:

- When it is estimated that no occupants are on board*
- After opening a door and entering the vehicle, until the engine is started
- When 3 minutes or more have elapsed since the engine was stopped
- When the language setting of the Center Display has been set to a language that does not support voice notifications
- When all of the doors have been locked from outside the vehicle
- When a door remains open for 1 minute or more after the engine is stopped
- When the ACC mode (→P.701) has been enabled through a customize setting on the Center Display and the engine has been stopped
- When the parking assist volume setting on the Center Display has been set to off

*: For each seating position, judgment is made based on the opening and closing of a door, before driving for ingress and after driving for egress.

■ **Customization**

Some functions can be customized. (→P.700)

WARNING

■ **To ensure the system can operate properly**

→P.365

Turning the safe exit assist system ON/OFF

The safe exit assist system can be enabled/disabled through a customize setting. (→P.700)

When the safe exit assist is off, the driving assist information indicator will illuminate and a message will be displayed on the multi-information display.

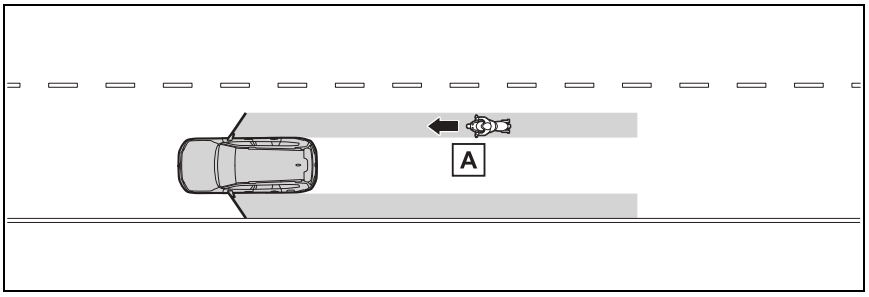
Each time the engine switch is turned to ON, the safe exit assist is enabled.*

*: When the engine switch is turned off and then to ON immediately after that, the safe exit assist may not be enabled.

Safe exit assist operation

■ **Objects that can be detected by the safe exit assist**

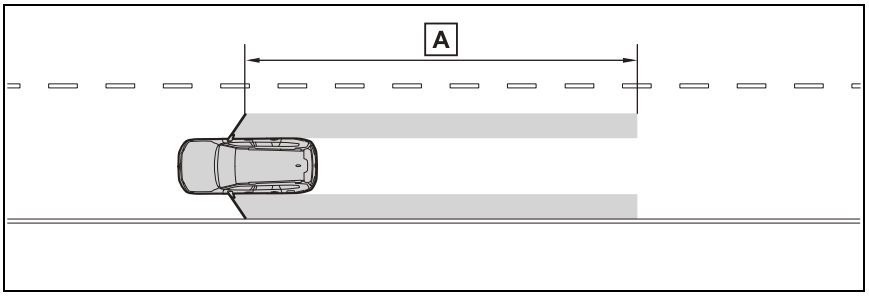
When the safe exit assist detects the following vehicles or bicycles behind your vehicle using a rear side radar sensor, the occupants of the vehicle are informed through an outside rear view mirror indicator, buzzer, multi-information display, and voice notification (if equipped).



A Vehicle or bicycle which has a high possibility of colliding with a door (other than the back door) when opened

■ **The safe exit assist detection areas**

The areas that vehicles can be detected in are outlined below.



A Approximately 45 m (145 ft.) rearward from the front door*

*: The faster a vehicle or bicycle is approaching, the distance at which an outside rear view mirror indicator will illuminate or blink will become further.

■ The safe exit assist is operational when

The safe exit assist is operational when all of the following conditions are met:

- When the engine switch is ON, less than 3 minutes have elapsed since the engine was off, or less than 3 minutes have elapsed since a door was opened and someone has entered the vehicle (the time which operation is possible may be extended if a door is opened and closed)
- Safe exit assist is on
- The vehicle is stopped.
- The shift lever is in a position other than R.

■ The safe exit assist will detect a vehicle when

The safe exit assist will detect a vehicle present in the detection area in the following situations:

- When the vehicle is stopped and a vehicle or bicycle, which is traveling parallel to the vehicle, is approaching within the area that a door opens (other than the back door)

■ Conditions under which the system will not detect a vehicle

- Safe exit assist does not detect the following objects, vehicles, and bicycles:
  - Vehicles or bicycles which are approaching slowly*
  - Vehicles or bicycles which are determined to have a low possibility of colliding with a door (other than the back door) when opened*
  - Vehicles or bicycles which are approaching from directly behind*
  - Vehicles or bicycles which are approaching from the front*
  - Guardrails, walls, signs, parked vehicles, and other stationary objects*
  - Pedestrians, animals, etc.*

  *: Depending on the conditions, detection of a vehicle and/or object may occur.
- In situations such as the following, safe exit assist will not operate:
  - When 3 minutes or more have elapsed since the engine off (the time which operation is possible may be extended if a door is opened and closed)
  - When your vehicle is not completely stopped

■ Conditions under which the system may not function correctly

- The safe exit assist 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 the vehicle is stopped on a wet road surface, such as in a puddle, while in inclement weather, such as heavy rain, snow, fog, etc.
- When a vehicle or bicycle approaches from behind a nearby parked vehicle
- When an approaching vehicle or bicycle suddenly changes direction
- Immediately after a vehicle or bicycle starts moving
- When the back door is open
- When a bicycle carrier, ramp, or other accessory is installed to the back of the vehicle
- When a parked vehicle, wall, sign, person or other stationary object is behind the vehicle
- When the vehicle is stopped at an angle to the road
- When a vehicle is traveling near an approaching vehicle or bicycle
- When an approaching vehicle or bicycle is traveling along a stationary object, such a wall or sign
- When a vehicle or bicycle is approaching at high speed
- When towing with the vehicle
- When stopped on a steep slope
- When stopped on a curve or at the exit of a curve

● Instances of the safe exit assist 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 a vehicle or bicycle approaches your vehicle from directly behind in an offset position
- When the vehicle is stopped at an angle to the road
- When a vehicle or bicycle approaches from behind a parked vehicle at an angle
- When a parked vehicle, wall, sign, person or other stationary object is behind the vehicle
- When an approaching vehicle or bicycle suddenly changes direction
- When an approaching vehicle or bicycle is traveling along a stationary object, such a wall or sign
- When the back door is open
- When a bicycle carrier, ramp, or other accessory is installed to the back of the vehicle
- When a vehicle or bicycle is approaching at high speed
- When towing with the vehicle
- When stopped on a steep slope
- When stopped on a curve or at the exit of a curve
- When a vehicle or bicycle approaches from behind a vehicle stopped in an adjacent lane

Toyota parking assist-sensor*

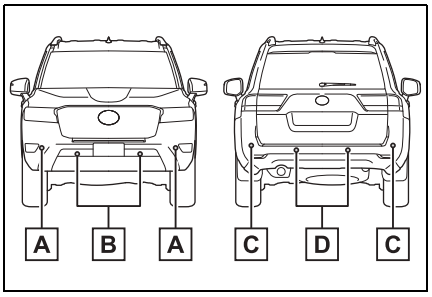
*: If equipped

The Toyota parking assist-sensor function detects the approximate distance from the vehicle and an object such as a wall using ultrasonic sensors and informs the driver with the multi-information display in the meter or with the multimedia display distance display and buzzer.

System components

■ **Type of sensors**

▶ Type A



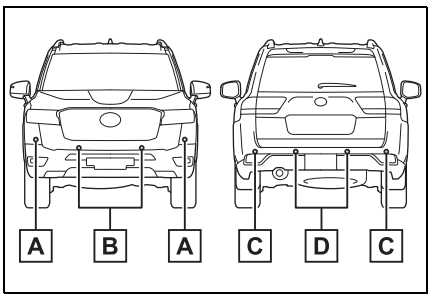
A Front corner sensors

B Front center sensors

C Rear corner sensors

D Rear center sensors

▶ Type B



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 or multimedia display depending on the position and distance to the object.

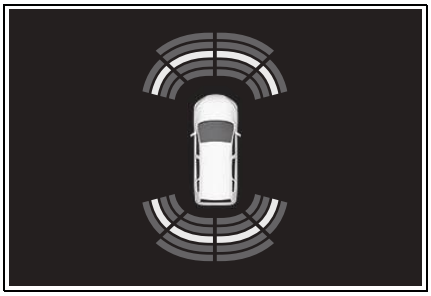
Vehicles without multimedia display or rear camera: When detecting a stationary object, the Toyota parking assist-sensor detection indicator illuminates. (→P.127)

The illustration is an example for explanation and may differ depending on the specifications.

▶ Multi-information display



▶ Multimedia display



Turning the Toyota parking assist-sensor function ON/OFF

The Toyota parking assist-sensor function can be enabled/disabled through a customize setting. (→P.700)

When the Toyota parking assist-sensor function is disabled, the Toyota parking assist-sensor OFF indicator (→P.127) illuminates on the multi-information display.

If the system switches to OFF (disabled) and the Toyota parking assist-sensor is stopped, the Toyota parking assist-sensor will not be re-enabled until ON (enabled) is selected again from the customize setting (→P.700). (It remains off even if the engine switch is turned to ON again after the engine switch has been turned off.)

Vehicles without the multimedia display or rear camera: However, the system will automatically turn on (enabled) and the Toyota parking assist-sensor OFF indicator will turn off if the shift position is changed to R.
When the shift position is R, the Toyota parking assist-sensor cannot be turned on or off.
The setting of Toyota parking assist-sensor itself will not change.

WARNING

■ Cautions regarding the use of the system

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.

■ To ensure the system can operate properly

Make sure to observe the following precautions. The system may not operate properly and may lead to an unexpected accident. When these precautions cannot be observed, turn the system off.

- Do not damage the sensors, and always keep them clean.
- Do not attach a sticker or install a component, such as a backlit license plate (especially fluorescent type), fog lights, fender pole or wireless antenna near a radar sensor.

WARNING

- Do not subject the surrounding area of the sensor to a strong impact. If subjected to an impact, have the vehicle inspected by your Toyota dealer. If the front or rear bumper needs to be removed/installed or replaced, contact your Toyota dealer.
- Do not modify, disassemble or paint the sensors.
- Do not attach a license plate cover.
- Keep your tires properly inflated.
- Do not install a suspension other than a genuine suspension.

Notes when washing the vehicle

- 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 engine switch is in ON.
- The Toyota parking assist-sensor is on.
- The vehicle speed is less than about 10 km/h (6 mph).
- Front corner sensors:
  - The shift position is in a position other than P.
- Front center sensors:
  - The shift position is in a position other than P or R.
- Rear corner and rear center sensors:
  - The shift position is in R.
- Vehicles without the multimedia display or rear camera: The system will automatically turn on (enabled) and the Toyota parking assist-sensor OFF indicator will turn off if the shift position is changed to R.
  The setting of Toyota parking assist-sensor itself will not change.

Sensor detection information

- The sensor's detection areas are limited to the areas around the vehicle's front and rear bumpers.
- Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect an object.
- Objects may not be detected if they are too close to the sensor.
- There will be a short delay between object detection and display. Even at 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 sound of this system due to the buzzers of other systems.
- If the meter malfunctions, the buzzer may not sound.

Objects which the system may not be properly detected

The shape of the object may prevent the sensor from detecting it. Pay particular attention to the following objects:

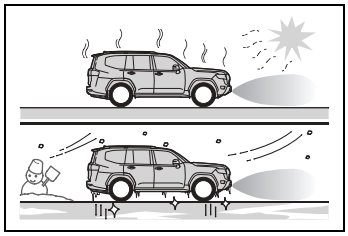
- Wires, fences, ropes, etc.
- Cotton, snow and other materials that absorb sound waves
- Sharply-angled objects
- Low objects
- Tall objects with upper sections projecting outwards in the direction of your vehicle

People may not be detected if they are wearing certain types of clothing.

■ **Situations in which the system may not operate properly**

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, water drops 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.
- When a sensor or the area around a sensor is extremely hot or cold.

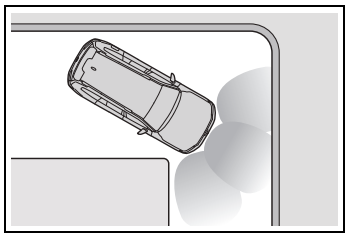


- On an extremely bumpy road, on an incline, on gravel, or on grass.
- When vehicle horns, vehicle detectors, motorcycle engines, air brakes of large vehicles, the clearance sonar of other vehicles or other devices which produce ultrasonic waves are near the vehicle.
- A sensor is coated with a sheet of spray or heavy rain.
- If objects draw too close to the sensor.
- When a pedestrian is wearing clothing that does not reflect ultrasonic waves (ex. skirts with gathers or frills).
- When objects that are not perpendicular to the ground, not perpendicular to the vehicle traveling direction, uneven, or waving are in the detection range.
- When strong winds are blowing.
- When driving in inclement weather such as fog, snow or a sandstorm.
- When an object that cannot be detected is between the vehicle and a detected object.
- If an object such as a vehicle, motorcycle, bicycle or pedestrian cuts in front of the vehicle or runs out from the side of the vehicle.
- If the orientation of a sensor has been changed due to a collision or other impact.
- When equipment such as a towing eyelet, transport hook, bumper protector, bumper trim, bicycle carrier or snow-removal device (snow plow) is installed near the sensor.
- If the front of the vehicle is raised or lowered due to the carried load.
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning.
- When tire chains, compact spare tire or an emergency tire puncture repair kit are used.
- When towing with the vehicle.

■ **Situations in which the system may operate even if there is no possibility of a collision**

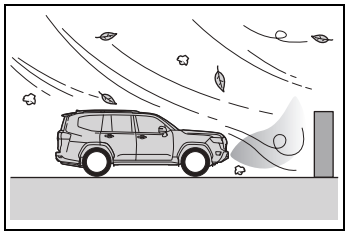
In some situations, such as the following, the system may operate even though there is no possibility of a collision.

- When driving on a narrow road.

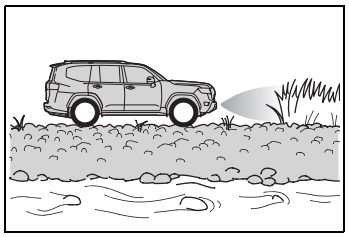


- When driving toward a banner, flag, low-hanging branch or boom barrier (such as those used at railroad crossings, toll gates and parking lots).

- When there is a rut or hole in the surface of the road.
- When driving on a metal cover (grating), such as those used for drainage ditches.
- When driving up or down a steep slope.
- If a sensor is hit by a large amount of water, such as when driving on a flooded road.
- There is dirt, snow, water drops or ice on a sensor. (Cleaning the sensors will resolve this problem.)
- A sensor is coated with a sheet of spray or heavy rain.
- When driving in inclement weather such as fog, snow or a sandstorm.
- When strong winds are blowing.



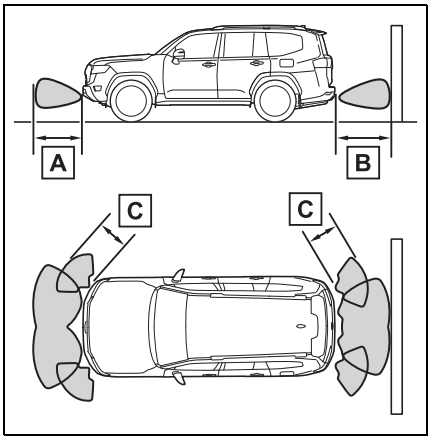
- When vehicle horns, vehicle detectors, motorcycle engines, air brakes of large vehicles, the clearance sonar of other vehicles or other devices which produce ultrasonic waves are near the vehicle.
- If the front of the vehicle is raised or lowered due to the carried load.
- If the orientation of a sensor has been changed due to a collision or other impact.
- The vehicle is approaching a tall or curved curb.
- Driving close to columns (H-shaped steel beams, etc.) in multi-story parking garages, construction sites, etc.
- If the vehicle cannot be driven in a stable manner, such as when the vehicle has been in an accident or is malfunctioning.
- On an extremely bumpy road, on an incline, on gravel, or on grass.



- When tire chains, compact spare tire or an emergency tire puncture repair kit are used.
- When towing with the vehicle.

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.

■ **The distance and buzzer**

Approximate distance to obstacle	Buzzer
Front center sensor: Approximately 100 cm (3.3 ft.) to 60 cm (2.0 ft.)* Rear center sensor: Approximately 150 cm (4.9 ft.) to 60 cm (2.0 ft.)*	Slow
Approximately 60 cm (2.0 ft.) to 45 cm (1.5 ft.)*	Medium
Approximately 45 cm (1.5 ft.) to 30 cm (1.0 ft.)*	Fast
Approximately less than 30 cm (1.0 ft.)	Continuous

*: Automatic buzzer mute function is enabled. (→P.387)

Toyota parking assist-sensor buzzer

A buzzer sounds when the sensors are operating.

- The buzzer beeps faster as the vehicle approaches a static object. When the vehicle comes within the approximately 30 cm (1.0 ft.) of the object, the buzzer will sound continuously.
- When 2 or more sensors simultaneously detect a static object, the buzzer sounds for the nearest object.
- After an intermittent buzzer begins sounding, if the distance between the vehicle and the detected static object does not become shorter, the buzzer will be muted automatically. (automatic buzzer mute function)

■ **Adjusting the buzzer volume**

The buzzer volume of the Toyota parking assist-sensor, RCTA (if equipped), and RCD (if equipped) can all be changed at once from the customize settings. (→P.700)

■ **Muting a buzzer**

When the temporary mute switch is displayed on the multi-information display or multimedia display, this switch can be pressed to temporarily mute the buzzer.

Select the switch to mute a buzzer of the Toyota parking assist-sensor, RCTA (if equipped), and RCD (if equipped) all together.

● Mute will be automatically canceled in the following situations:
- When the shift position is changed.
- When the vehicle speed exceeds a certain speed.
- When there is a malfunction in a sensor or the system is temporarily unavailable.
- When the operating function is disabled manually.
- When the engine switch is turned off.

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.

WARNING

■ Cautions regarding the use of the system

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

The RCTA function is only a supplementary function which alerts the driver that a vehicle is approaching from the right or left at the rear of the vehicle.

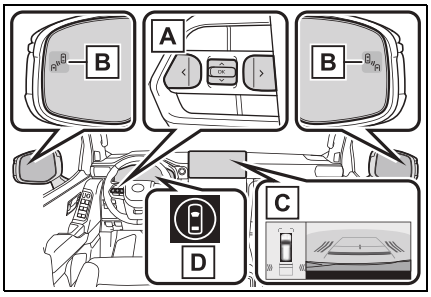
As the RCTA function may not function correctly under certain conditions, the driver's own visual confirmation of safety is necessary.

Over reliance on this function may lead to an accident resulting death or serious injury.

■ To ensure the system can operate properly

→P.365

System components



A Meter control switches

Operate the meter control switches to enable/disable the RCTA function on the multi-information display.

B Outside rear view mirror indicators

If a vehicle is detected as approaching from the left or right behind the vehicle, both outside rear view mirror indicators (→P.127) will blink and a buzzer will sound.

C Center Display

If a vehicle approaching from the right or left at the rear of the vehicle is detected, the RCTA icon (→P.389) for the detected side will be displayed on the Center Display. This illustration* shows an example of a vehicle approaching from both sides of the vehicle.

*: Depending on the vehicle grade and equipped options, the actual screen may be different from this illustration.

D Driving assist information indicator

Illuminates when the RCTA is turned off. At this time, a message will be displayed on the multi-information display.

Turning the RCTA function on/off

The RCTA can be enabled/disabled through a customize setting. (→P.700)

When the RCTA function is off, the driving assist information indicator (→P.127) will illuminate and a message will be displayed on the multi-information display. Each time the engine switch is turned to ON, the RCTA function is enabled.

■ 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.

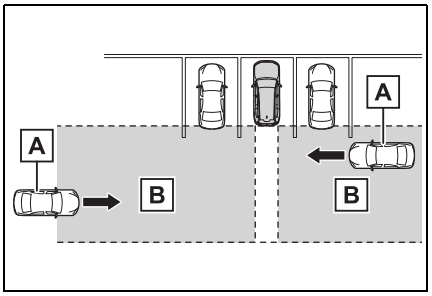
■ Rear side radar sensors

→P.365

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.



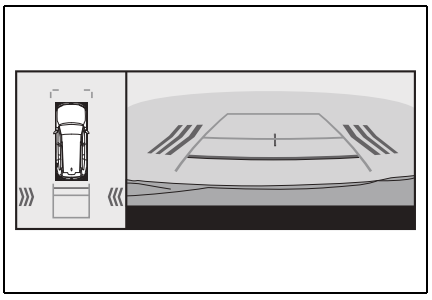
A Approaching vehicles

B Detection areas of approaching vehicles

■ RCTA icon display

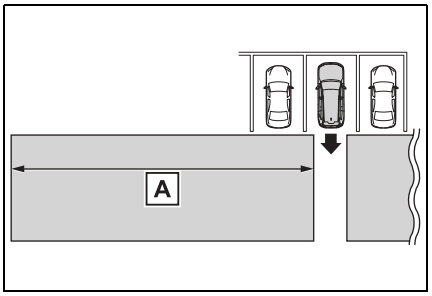
When a vehicle approaching from the right or left at the rear of the vehicle is detected, the following will be displayed on the Center Display.

Example: Vehicles are approaching from both sides of the vehicle



■ RCTA function detection areas

The areas that vehicles can be detected in are outlined below.



The buzzer can alert the driver of faster vehicles approaching from farther away.

Example:

Approaching vehicle speed	A Approximate alert distance
56 km/h (34 mph) (fast)	30 m (98 ft.)
8 km/h (5 mph) (slow)	4 m (13 ft.)

■ The RCTA function is operational when

The RCTA function operates when all of the following conditions are met:

- The engine switch is in ON.
- The RCTA function is on.
- The shift position is in R.
- The vehicle speed is less than approximately 15 km/h (9 mph).
- The approaching vehicle speed is between approximately 8 km/h (5 mph) and 56 km/h (34 mph).

■ Setting the buzzer volume

The buzzer volume of the RCTA, Toyota parking assist-sensor, and RCD (if equipped) can be adjusted all together through a customize setting. (→P.700)

■ Muting a buzzer temporarily

When an object is detected, the temporary mute switch is displayed on the Center Display.

Select the switch to mute the buzzer of the Toyota parking assist-sensor, RCTA, and RCD (if equipped) all together.

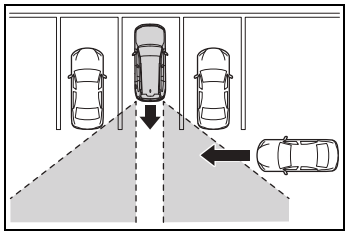
Mute will be canceled automatically in the following situations:

- When the shift position is changed.
- When the vehicle speed exceeds a certain speed.
- When there is a malfunction in a sensor or the system is temporarily unavailable.
- When the operating function is disabled manually.
- When the engine switch is turned off.

■ Conditions under which the system 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*
- The distance between the sensor and

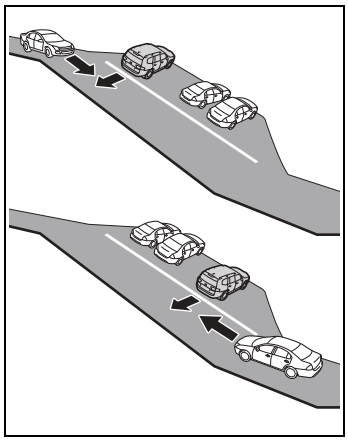
approaching vehicle gets too close

*: Depending on the conditions, detection of a vehicle and/or object may occur.

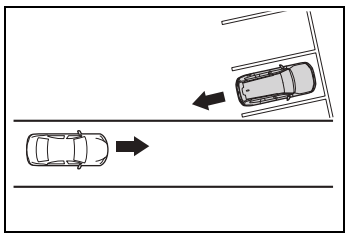
Situations in which the system may not operate properly

The RCTA function may not detect vehicles correctly in the following situations:

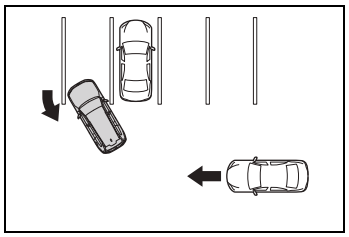
- When the sensor is misaligned due to a strong impact to the sensor or its surrounding area.
- When mud, snow, ice, a sticker, etc., is covering the sensor or surrounding area on the rear bumper.
- When driving on a wet road surface, such as in a puddle, while in inclement weather, such as heavy rain, snow, fog, etc.
- When multiple vehicles are approaching with only a small gap between each vehicle.
- When a vehicle is approaching at high speed.
- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow.
- When backing up on a slope with a sharp change in grade.



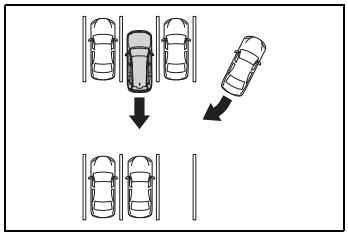
- When backing out of a sharp angle parking spot.



- Immediately after the RCTA function is turned on
- Immediately after the engine is started with the RCTA function on
- When the sensors cannot detect a vehicle due to obstructions
- When towing with the vehicle
- When there is a significant difference in height between your vehicle and the vehicle that enters the detection area.
- When a sensor or the area around a sensor is extremely hot or cold.
- If the suspension has been modified or tires of a size other than specified are installed.
- If the front of the vehicle is raised or lowered due to the carried load.
- When turning while backing up.



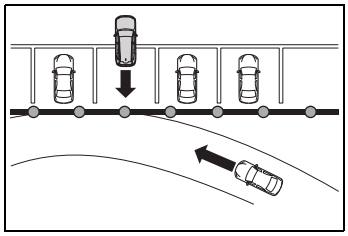
- When a vehicle turns into the detection area.



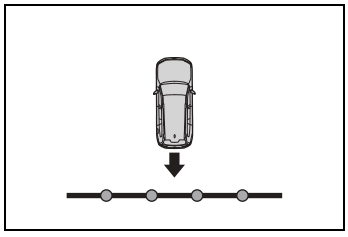
■ **Situations in which the system may operate even if there is no possibility of a collision**

Instances of the RCTA function unnecessary detecting a vehicle and/or object may increase in the following situations:

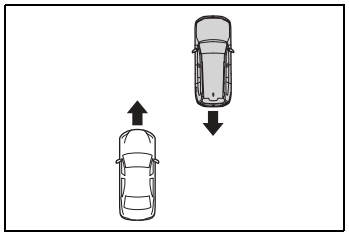
- When the parking space faces a street and vehicles are being driven on the street.



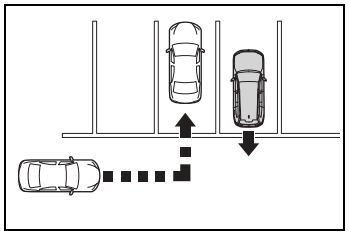
- When the distance between your vehicle and metal objects, such as a guardrail, wall, sign, or parked vehicle, which may reflect electrical waves toward the rear of the vehicle, is short.



- When equipment that may obstruct a sensor is installed, such as a towing eyelet, bumper protector (an additional trim strip, etc.), bicycle carrier, or snow plow.
- When a vehicle passes by the side of your vehicle.



- When a detected vehicle turns while approaching the vehicle.



- When there are spinning objects near your vehicle such as the fan of an air conditioning unit.
- When water is splashed or sprayed toward the rear bumper, such as from a sprinkler.
- Moving objects (flags, exhaust fumes, large rain droplets or snowflakes, rain water on the road surface, etc.).
- When the distance between your vehicle and a guardrail, wall, etc., that enters the detection area is short.
- Gratings and gutters.
- When a sensor or the area around a sensor is extremely hot or cold.
- If the suspension has been modified or tires of a size other than specified are installed.
- If the front of the vehicle is raised or lowered due to the carried load.
- When towing with the vehicle

RCD (Rear Camera Detection)*

*: If equipped

When the vehicle is backing up, the rear camera detection function can detect pedestrians in the detection area behind the vehicle. If a pedestrian is detected, a buzzer will sound and an icon will be displayed on the multimedia display to inform the driver of the pedestrian.

WARNING

■ **Cautions regarding the use of the system**

The recognition and control capabilities for this system are limited.

The driver should always drive safely by always being responsible without over relying on the system and have a understanding of the surrounding situations.

■ **To ensure the system can operate properly**

Observe the following, otherwise there is the danger that could lead to an accident.

- Always clean the camera without damaging it.
- Do not install market electronic parts (such as Illuminated license plate, fog lamps, etc.) in the camera vicinity.
- Do not subject the camera vicinity to strong impacts. If the vicinity is subjected to a strong impact, have the vehicle inspected by your Toyota dealer.
- Do not disassemble, remodel or paint the camera.
- Do not attach accessories or stickers to the camera.
- Do not install market protection parts (bumper trim, etc.) to the rear bumper.
- Maintain suitable tire air pressure.
- Make sure the back door is completely closed.

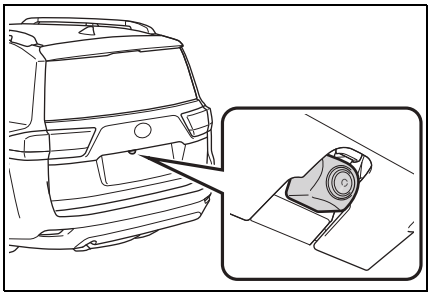
■ **When to disable the RCD function**

In the following situations, disable the system. The RCD function may not operate properly, possibly leading to an accident.

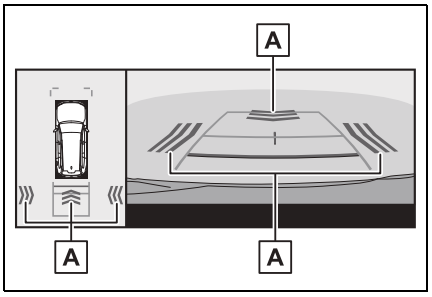
- The contents mentioned above are not observed.
- Suspensions other than the genuine parts are installed.

System component

Location of the rear camera



RCD display



A Pedestrian detection icon

Displayed automatically when a pedestrian is detected behind the vehicle.

Turning the RCD function on/off

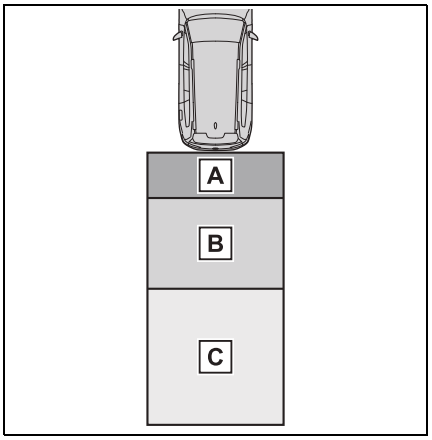
The RCD function can be enabled/disabled through a customize setting. (→P.700)

When the RCD function is disabled, the driving assist information indicator (→P.127) illuminates, and a message is displayed on the multi-information display.

Each time the engine switch is turned off then changed to ON, the RCD function will be enabled automatically.

When a pedestrian is detected

If a pedestrian is in the area behind the vehicle or if the rear camera detected that a pedestrian is approaching the vehicle from behind, the system urges caution from the driver by sounding the buzzer and displaying the detection of a pedestrian on the multimedia display as follows:



A If a pedestrian is detected in area A
Buzzer: Sounds repeatedly
Pedestrian detection icon: Blinks

B If a pedestrian is detected in area B
Buzzer (When the vehicle is stationary): Sounds 3 times
Buzzer (When the vehicle is backing up, when a pedestrian approaches the rear of the vehicle): Sounds repeatedly
Pedestrian detection icon: Blinks

C If the system determines that your vehicle may collide with a pedestrian in area C
Buzzer: Sounds repeatedly
Pedestrian detection icon:

Blinks

■ **The rear camera detection function is operational when**

- The engine switch is in ON.
- RCD function is on.
- The shift position is in R.

■ **Setting the buzzer volume**

The buzzer volume of the Toyota parking assist-sensor, RCTA (if equipped), and RCD can all be changed at once from the customize settings. (→P.700)

■ **Muting a buzzer temporarily**

When an object is detected, the temporary mute switch is displayed on the multimedia display.

Select the switch to mute a buzzer of the Toyota parking assist-sensor, RCTA (if equipped), and RCD all together.

Mute will be automatically canceled in the following situations:

- When the shift position is changed.
- When the vehicle speed exceeds a certain speed.
- When there is a malfunction in a sensor or the system is temporarily unavailable.
- When the operating function is disabled manually.
- When the engine switch is turned off.

■ **Situations in which the system may not operate properly**

- Some pedestrians, such as the following, may not be detected by the rear camera detection function, preventing the function from operating properly:
  - Pedestrians who are bending forward or squatting
  - Pedestrians who are lying down
  - Pedestrians who are running
  - Pedestrians who suddenly appear from the shadow of the vehicle or a building
  - Pedestrians who are riding moving objects such as a bicycle or skateboard
  - Pedestrians wearing oversized clothing such as a rain coat, long skirt, etc., making their silhouette obscure
  - Pedestrians whose body is partially hidden by an object, such as a cart or umbrella
  - Pedestrians which are obscured by darkness, such as at night
- In some situations, such as the following, pedestrians may not be detected by the rear camera detection function, preventing the function from operating properly:
  - When backing up in inclement weather (rain, snow, fog, etc.)
  - The lens is dirty (by dirt or snow-melting agent, etc.) or scratched
  - When a very bright light, such as the sun, or the headlights of another vehicle, shines directly into the rear camera
  - When backing up in a place where the surrounding brightness changes suddenly, such as at the entrance or exit of a garage or underground parking lot
  - When backing up in a dim environment such as during dusk or in an underground parking lot
  - When the camera position and direction are deviated
  - When a towing hook is attached
  - When water droplets are flowing on the camera lens
  - When the vehicle height is extremely changed (nose up, nose down, etc.)
  - When tire chains or an emergency tire puncture repair kit are used
  - When the suspension has been lowered or tires that have a different size than the genuine tires are installed
  - When an aftermarket electronic part (backlit license plate, fog light, etc.) is installed near the rear camera
  - If a bumper protector, such as an additional trim strip, is installed to the rear bumper
  - When towing with the vehicle

■ **Situations in which the system may operate unexpectedly**

- Even though there are no pedestrians

in the detection area, some objects, such as the following, may be detected, possibly causing the rear camera detection function to operate.
- Three dimensional objects, such as a pole, traffic cone, fence, or parked vehicle
- Moving objects, such as a car or motorcycle
- Objects moving toward your vehicle when backing up, such as flags or puddles (or airborne matter, such as smoke, steam, rain, or snow)
- Cobblestone or gravel roads, tram rails, road repairs, white lines, pedestrian crossings or fallen leaves on the road
- Metal covers (gratings), such as those used for drainage ditches
- Objects reflected in a puddle or on a wet road surface
- Shadows on the road

● In some situations, such as the following, the rear camera detection function may operate even though there are no pedestrians in the detection area.
- When backing up toward the roadside or a bump on the road
- When backing up toward an incline/decline
- When the vehicle height is extremely changed (nose up, nose down, etc.)
- When an aftermarket electronic part (backlit license plate, fog light, etc.) is installed near the rear camera
- If a bumper protector, such as an additional trim strip, is installed to the rear bumper
- If the orientation of the rear camera has been changed due to a collision or other impact, or removal and installation
- If a towing eyelet is installed to the rear of the vehicle
- When water is flowing over the rear camera lens
- The lens is dirty (by dirt or snow-melting agent, etc.)
- If there is a flashing light in the detection area, such as the emergency flashers of another vehicle
- When tire chains or an emergency tire puncture repair kit are used
- When towing with the vehicle

● Situations in which the rear camera detection function may be difficult to notice
- The buzzer may be difficult to hear if the surrounding area is noisy or the audio system volume is high.
- If the temperature in the cabin is extremely high or low, the multimedia display may not operate correctly.

PKSB (Parking Support Brake)*

*: If equipped

The PKSB (Parking Support Brake) is a system that issues warnings and automatically performs braking to help reduce collision damage with operation targets that were detected when traveling at a low speed such as when parking.

PKSB (Parking Support Brake) system

The system has detected the following as operation targets. (The operation targets vary depending on the function.)

- Parking Support Brake function (static objects front and rear of the vehicle):→P.401
- Parking Support Brake function (moving vehicles rear of the vehicle) (if equipped):→P.404
- Parking Support Brake function (pedestrians rear of the vehicle) (if equipped):→P.405

WARNING

■ Cautions regarding the use of the system

Do not overly rely on the system, as doing so may lead to an accident.

Always drive while checking the safety of the surroundings of the vehicle.

Depending on the vehicle and road conditions, weather, etc., the system may not operate.

The detection capabilities of sensors and radars are limited. Always drive while checking the safety of the surroundings of the vehicle.

- The driver is solely responsible for safe driving. Always drive carefully, taking care to observe your surroundings. The Parking Support Brake system is designed to provide support to lessen the severity of collisions. However, it may not operate in some situations.
- The Parking Support Brake system is not designed to stop the vehicle completely. Additionally, even if the system has stopped the vehicle, it is necessary to depress the brake pedal immediately as brake control will be canceled after approximately 2 seconds.
- It is extremely dangerous to check the system operations by intentionally driving the vehicle into the direction of a wall, etc. Never attempt such actions.

■ When to disable the Parking Support Brake

In the following situations, disable the Parking Support Brake as the system may operate even though there is no possibility of a collision.

- When inspecting the vehicle using a chassis roller, chassis dynamo or free roller.

WARNING

- When loading the vehicle onto a boat, truck or other transport vessel.
- If the suspension has been modified or tires of a size other than specified are installed.
- If the front of the vehicle is raised or lowered due to the carried load.
- When equipment such as a towing hook, transport hook, bumper protector, bumper trim, bicycle carrier or snow-removal device (snow plow) is installed near the sensor.
- When using automatic car washing devices.
- 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 tire chains, a compact spare tire or an emergency tire puncture repair kit are used.
- When towing with the vehicle.

■ Precautions for the suspension

Do not modify the suspension of the vehicle. If the height or tilt of the vehicle is changed, the sensors may not be able to detect detectable objects and the system may not operate correctly, possibly leading to an accident.

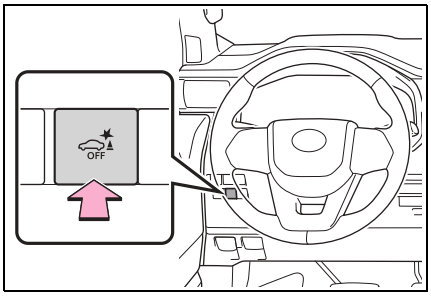
Enabling/Disabling the Parking Support Brake

The Parking Support Brake function can be enabled/disabled by pressing the PKSB switch.

When the PKSB (Parking Support Brake) is disabled, the driving assist information indicator (→P.127) illuminates, and a message is displayed on the multi-information display.

If the system switches to OFF (disabled) and the PKSB (Parking Support Brake) is stopped, the PKSB (Parking Support Brake) will not be re-enabled until the PKSB switch is pressed again to turn the system ON (enabled).

(It remains off even if the engine switch is turned to ON again after the engine switch has been turned off.)



■ When the four-wheel drive control switch is in L4

- The Parking Support Brake function automatically turns off.

Display and buzzer for engine output restriction control and brake control

If the engine output restriction control or brake control operates, a buzzer will

sound and a message that indicates limited acceleration or prompts the driver to brake will be displayed on the multimedia display and multi-information display, to alert the driver.

Depending on the situation, output restriction control operates to either limit acceleration or restrict output as much as possible.

- Engine output restriction control is operating (acceleration restriction)

Acceleration greater than a certain amount is restricted by the system.

Multimedia display: No warning displayed

Message example on the multi-information display: “Object Detected Acceleration Reduced”

Driving assist information indicator: Not illuminated

Buzzer: Does not sound

- Engine output restriction control is operating (output restricted as much as possible)

The system has determined that stronger-than-normal brake operation is necessary.

Message example on the multimedia display (vehicles with Multi-terrain Monitor*): “BRAKE!”

Message example on the multi-information display: “BRAKE!”

Driving assist information indicator: Not illuminated

Buzzer: Short beep

- Brake control is operating

The system determined that emergency braking is necessary.

Message example on the multimedia display (vehicles with Multi-terrain Monitor*): “BRAKE!”

Message example on the multi-information display: “BRAKE!”

Driving assist information indicator: Not illuminated

Buzzer: Short beep

- Vehicle stopped by system operation

The vehicle has been stopped by brake control operation.

Message example on the multimedia display (vehicles with Multi-terrain Monitor*): “Switch to Brake”

Message example on the multi-information display: “Accelerator Pedal is Pressed Press Brake Pedal”, “Press Brake Pedal”

Driving assist information indicator: Illuminated

Buzzer: Sounds repeatedly

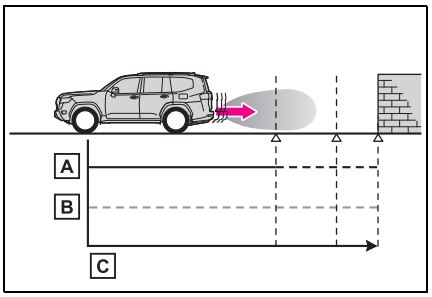
*: This may not be displayed depending on the specification of the Multi-terrain Monitor.

System overview

If the Parking Support Brake determines that a collision with a detected object or pedestrian is possible, the engine output will be restricted to restrain any increase in the vehicle speed. (Engine output restriction control: See figure 2 below.)
Additionally, if the accelerator pedal continues to be depressed, the brakes will be applied automatically

to reduce the vehicle speed. (Brake control: See figure 3.)

- Figure 1: When the PKSB (Parking Support Brake) is not operating

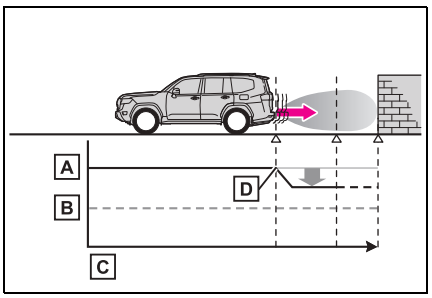


A Engine output

B Braking force

C Time

- Figure 2: When engine output restriction control operates



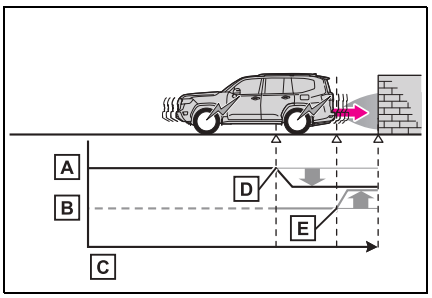
A Engine output

B Braking force

C Time

D Engine output restriction control begins operating (System determines that possibility of collision with detected object is high)

- Figure 3: When engine output restriction control and brake control operates



A Engine output

B Braking force

C Time

D Engine output restriction control begins operating (System determines that possibility of collision with detected object is high)

E Brake control begins operating (System determines that possibility of collision with detected object is extremely high)

If the Parking Support Brake has operated

If the vehicle is stopped due to operation of the Parking Support Brake, the Parking Support Brake will be disabled and the driving assist information indicator will illuminate. In addition, even when the PKSB (Parking Support Brake) operates, the brake control is canceled after approximately 2 seconds to start off. Furthermore, the brake control also can be canceled by depressing the brake pedal. Depressing the accelerator pedal again after that allows the vehicle to start off.

Re-enabling the Parking Support Brake

To re-enable the Parking Support Brake

when it is disabled due to operation of the PKSB (Parking Support Brake), either enable the system again, or turn the engine switch off and then back to ON.

Additionally, if any of the following conditions are met, the system will be re-enabled automatically and the driving assist information indicator will turn off (→P.127):

- The P shift position is selected
- Drive with no operation targets in the traveling direction of the vehicle
- Change the traveling direction of the vehicle

■ Buzzer

Regardless of whether the Toyota parking assist sensor is enabled or not (→P.383), if the PKSB (Parking Support Brake) system is enabled (→P.398), the buzzer will sound to notify the driver of the approximate distance to the object when the brake control and the engine output restriction control are operated.

Parking Support Brake function (static objects front and rear of the vehicle)*

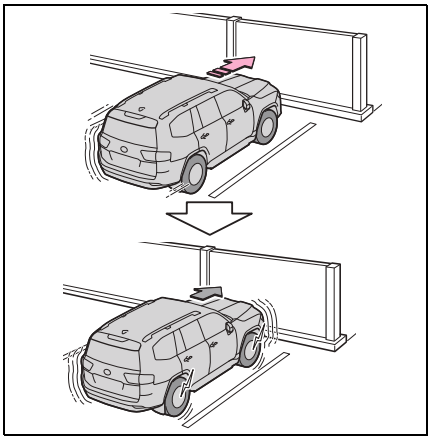
*: If equipped

If the sensors detect a static object, such as a wall, in the traveling direction of the vehicle and the system determines that a collision may occur due to the vehicle suddenly moving forward due to an accidental accelerator pedal operation, the vehicle moving the unintended direction due to the wrong shift position being selected, or while parking or traveling at low speeds, the system will operate to lessen the impact with the detected static object and reduce the resulting damage.

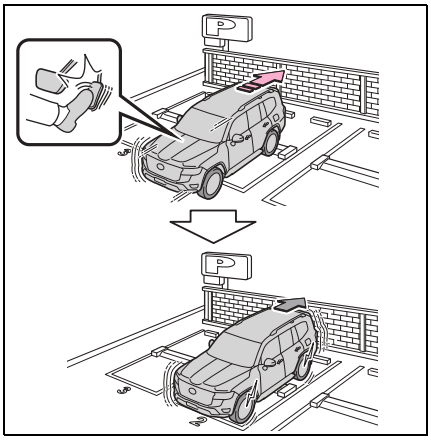
Examples of function operation (static objects front and rear of the vehicle)

This function will operate in situations such as the following if an object is detected in the traveling direction of the vehicle.

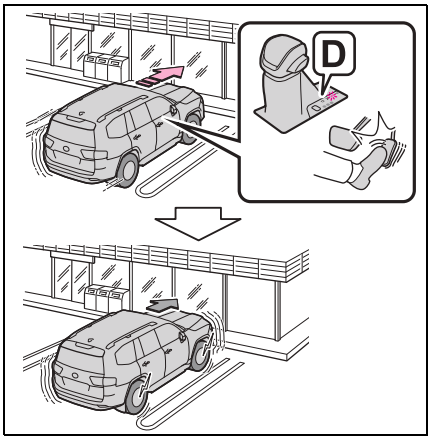
■ When traveling at a low speed and the brake pedal is not depressed, or is depressed late



■ When the accelerator pedal is depressed excessively



■ When the vehicle moves forward due to the incorrect shift position being selected



Types of sensors

→P.382

WARNING

■ To ensure the system can operate properly

→P.383

■ If the Parking Support Brake function operates unnecessarily, such as at a railroad crossing

→P.400

■ Notes when washing the vehicle

→P.384

■ The Parking Support Brake function (static objects front and rear of the vehicle) will operate when

The function will operate when the driving assist information indicator is not illuminated (→P.124) and all of the following conditions are met:

● Engine output restriction control
- The Parking Support Brake is enabled.

- The vehicle speed is approximately 15 km/h (9 mph) or less.
- There is a static object in the traveling direction of the vehicle and approximately 2 to 4 m (6 to 13 ft.) away.
- The Parking Support Brake determines that a stronger-than-normal brake operation is necessary to avoid a collision.

● Brake control
- Engine output restriction control is operating.
- The Parking Support Brake determines that an immediate brake operation is necessary to avoid a collision.

■ The Parking Support Brake function (static objects front and rear of the vehicle) will stop operating when

The function will stop operating if any of the following conditions are met:

● Engine output restriction control
- The Parking Support Brake is disabled.
- The system determines that the collision has become avoidable with normal brake operation.
- The static object is no longer approximately 2 to 4 m (6 to 13 ft.) away from the vehicle or in the traveling direction of the vehicle.

● Brake control
- The Parking Support Brake is disabled.
- Approximately 2 seconds have elapsed since the vehicle was stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.
- The static object is no longer approximately 2 to 4 m (6 to 13 ft.) away from the vehicle or in the traveling direction of the vehicle.

■ Detection range of the Parking Support Brake function (static objects front and rear of the vehicle)

The detection range of the Parking Support Brake function (static objects front and rear of the vehicle) differs from the detection range of the Toyota parking assist-sensor (→P.386). Therefore, even if the Toyota parking assist-sensor detects an object and provides a warning, the Parking Support Brake function (static objects front and rear of the vehicle) may not start operating.

■ Situations in which the system may not operate properly

→P.385

■ Situations in which the system may operate even if there is no possibility of a collision

→P.385

Parking Support Brake function (moving vehicles rear of the vehicle)*

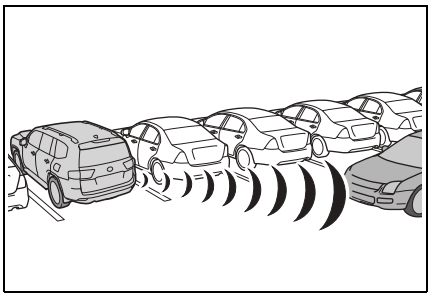
*: If equipped

If a rear radar sensor detects a vehicle approaching from the right or left at the rear of the vehicle and the system determines that the possibility of a collision is high, this function will perform brake control to reduce the likelihood of an impact with the approaching vehicle.

Examples of the function operation

This function will operate in situations such as the following if a vehicle is detected in the traveling direction of the vehicle.

■ When reversing, a vehicle is approaching and the brake pedal is not depressed, or is depressed late



Types of sensors

→P.365

WARNING

■ To ensure the system can operate properly

→P.365

■ The Parking Support Brake function (moving vehicles rear of the vehicle) will operate when

The function will operate when the driving assist information indicator is not illuminated (→P.124) and all of the following conditions are met:

● Engine output restriction control
- The Parking Support Brake is enabled.
- The vehicle speed is approximately 15 km/h (9 mph) or less.
- Vehicles are approaching from the right or left at the rear of the vehicle at a traveling speed of approximately 8 km/h (5 mph) or more.
- The shift position is in R.
- The Parking Support Brake determines that a stronger than normal brake operation is necessary to avoid a collision with an approaching vehicle.

● Brake control
- Engine output restriction control is operating.
- The Parking Support Brake determined that an emergency brake operation was necessary to avoid a collision with a vehicle approaching from the rear.

■ The Parking Support Brake function (moving vehicles rear of the vehicle) will stop operating when

The function will stop operating if any of the following conditions are met:

● Engine output restriction control
- The Parking Support Brake is disabled.

- The collision becomes avoidable with normal brake operation.
- A vehicle is no longer approaching from the right or left at the rear of the vehicle.

● Brake control
- The Parking Support Brake is disabled.
- Approximately 2 seconds have elapsed since the vehicle was stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.

■ **Situations in which the system may not operate properly**

→P.391

■ **Situations in which the system may operate even if there is no possibility of a collision**

→P.392

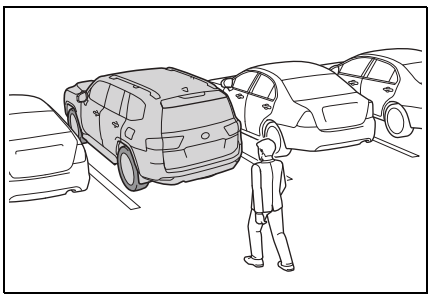
Parking Support Brake function (pedestrians rear of the vehicle)*

*: If equipped

If the rear camera sensor detects a pedestrian behind the vehicle while backing up and the system determines that the possibility of colliding with the detected pedestrian is high, a buzzer will sound. If the system determines that the possibility of colliding with the detected pedestrian is extremely high, the brakes will be applied automatically to help reduce the impact of the collision.

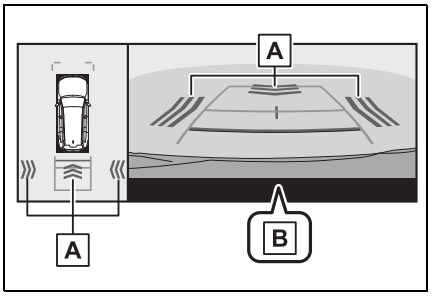
Examples of system operation

The system operates when an approaching pedestrian is detected behind the vehicle while backing up, and when the brake pedal is not depressed or is depressed late.



Screen display of pedestrians rear of the vehicle

Displays a message to prompt the driver to brake when a pedestrian is detected in the detection area behind the vehicle.



A Pedestrian detection icon

B Example: “BRAKE!”

WARNING

■ If the Parking Support Brake function (pedestrians rear of the vehicle) operates unnecessarily

Depress the brake pedal immediately after the Parking Support Brake function (pedestrians rear of the vehicle) operates. (Operation of the function is canceled by depressing the brake pedal.)

■ Correct use of the Parking Support Brake function (pedestrians rear of the vehicle)

→P.393

■ The Parking Support Brake function (pedestrians rear of the vehicle) will operate when

The function will operate when the driving assist information indicator is not illuminated (→P.124) and all of the following conditions are met:

● Engine output restriction control

- The Parking Support Brake is enabled.
- The vehicle speed is 15 km/h (9 mph) or less.
- The shift position is in R.
- When a pedestrian is to the rear of the vehicle
- The PKSB (Parking Support Brake) determines that a stronger-than-normal-brake operation is necessary to avoid a collision.

● Brake control

- Engine output restriction control is operating.
- The Parking Support Brake determines that an emergency brake operation is necessary to avoid a collision with a pedestrian.

■ The Parking Support Brake function (pedestrians rear of the vehicle) will stop operating when

The function will stop operating if any of the following conditions are met:

● Engine output restriction control

- The Parking Support Brake is disabled.
- The collision becomes avoidable with normal brake operation.
- The pedestrian is no longer detected behind your vehicle.

● Brake control

- The Parking Support Brake is disabled.
- Approximately 2 seconds have elapsed since the vehicle was stopped by brake control.
- The brake pedal is depressed after the vehicle is stopped by brake control.

■ Re-enabling the Parking Support Brake function (pedestrians rear of the vehicle)

→P.400

■ Detection area of the Parking Support Brake function (pedestrians rear of the vehicle)

The detection area of the Parking Support Brake function (pedestrians rear of the vehicle) differs from the detection

area of the RCD function (→P.394). Therefore, even if the RCD function detects a pedestrian and provides an alert, the Parking Support Brake function (pedestrians rear of the vehicle) may not start operating.

■ **Situations in which the system may not operate properly**

→P.395

■ **Situations in which the system may operate unexpectedly**

→P.395

Multi-terrain Monitor*

*: If equipped

The Multi-terrain Monitor helps the driver to check the vehicle surroundings. It assists in determining the conditions around the driver in a variety of situations, such as when judging conditions during off-road driving or checking for obstacles when parking.

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

WARNING

■ **When using the Multi-terrain Monitor system**

Observe the following precautions to avoid an accident that could result in death or serious injuries.

- Never rely solely on the Multi-terrain Monitor. As with unequipped vehicles, drive carefully while directly confirming the safety of your surroundings and the area to the rear of the vehicle. Take particular care to avoid parked cars and other obstacles.
- Due to the characteristics of the camera lens, the actual position and distance of people and other obstacles will differ from those shown on the Multi-terrain Monitor screen. Directly confirm the safety of your surroundings before driving.
- Always make sure to visually check behind you and your surroundings while you are driving.

WARNING

- Never drive while looking only at the screen as the image on the screen is different from actual conditions. If you are driving while looking only at the screen, you may hit a person or an object, resulting in an accident. When driving, be sure to check the vehicle's surroundings with your own eyes and the vehicle's mirrors.
- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load capacity, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- In low temperatures, the screen may darken or the images may become faint.
  Images of moving objects in particular may distort or disappear from the screen. Therefore, make sure to drive carefully while directly visually confirming the safety of your surroundings.
- If you replace your tires, the position of the guide lines displayed on the screen may be incorrect.

NOTICE

■ Multi-terrain Monitor

When the camera malfunctions, the screen may be displayed as follows:

- When the shift position is in any position other than "R", the camera image continue to be displayed
- When the shift position is in "R", part or all of the screen may appear black
- When the shift position is in "R", the screen may not change to the camera image
- The guide lines are not displayed on the camera image, and attention symbols and caution notices are displayed

Multi-terrain Monitor screens

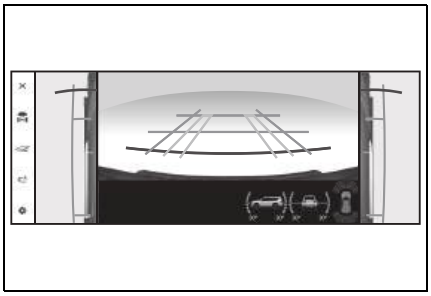
The following screens can be selected according to driving conditions.

- Screens that can be selected vary depending on conditions such as shift position and vehicle speed. (→P.412)
- Depending on the displayed screen, the display can be switched from normal to full screen display.

■ Screens when the four-wheel drive control switch is in L4 or H4 and Multi-terrain Select is in on.

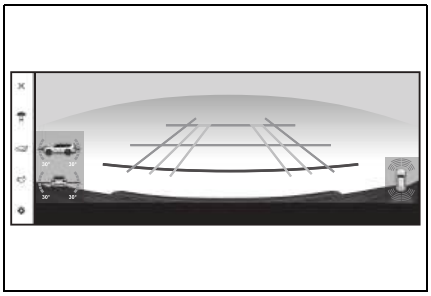
- When checking the area to the front and sides of the vehicle

▶ Front view & dual side views



→P.417

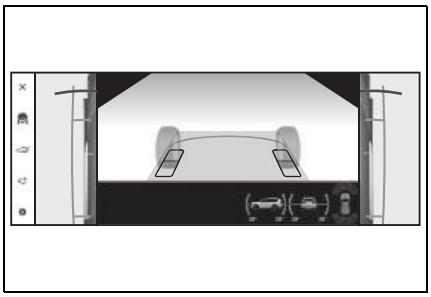
▶ Front view (magnified)



→P.417

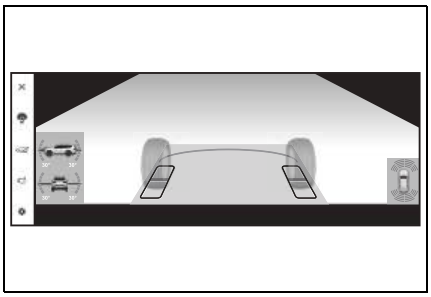
- When checking the condition of the road surface under the vehicle

▶ Under vehicle terrain view & dual side views



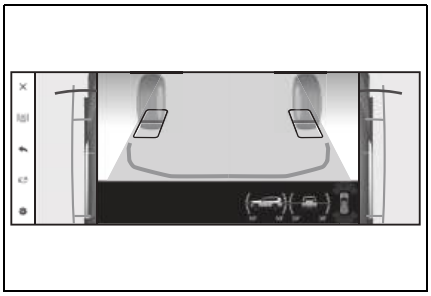
→P.420

▶ Under vehicle terrain view (magnified)



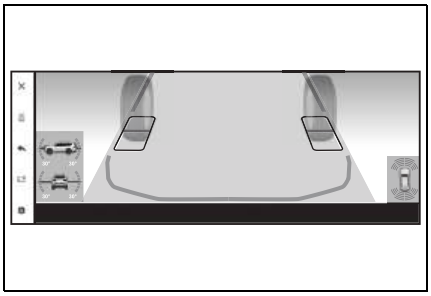
→P.420

▶ Under vehicle terrain view (rear wheel) & dual side views



→P.424

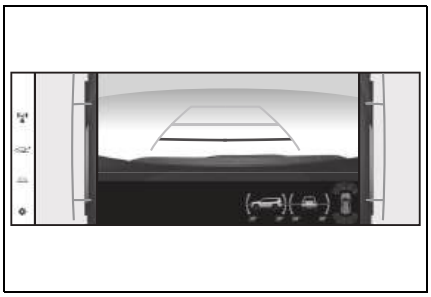
▶ Under vehicle terrain view (rear wheel) (magnified)



→P.424

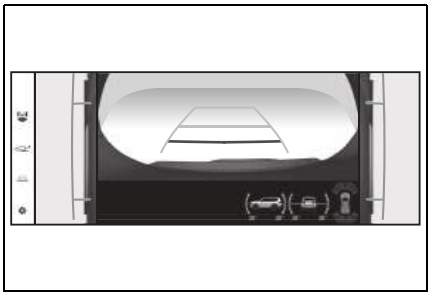
- When checking the area to the rear of the vehicle

▶ Rear view & dual side views



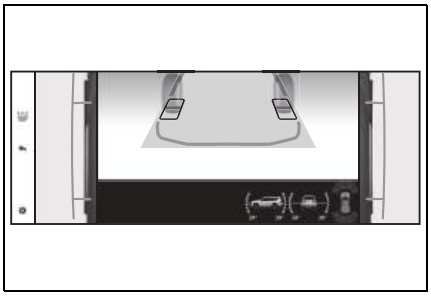
→P.427

▶ Wide rear view & dual side views



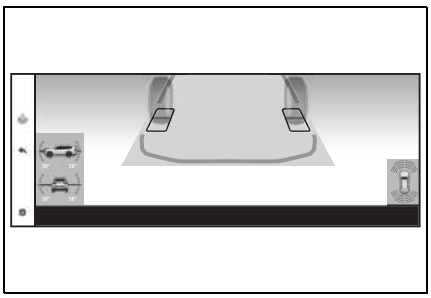
→P.427

▶ Under vehicle terrain view (rear side) & dual side views (except for India)



→P.430

▶ Under vehicle terrain view (rear side) (magnified) (except for India)

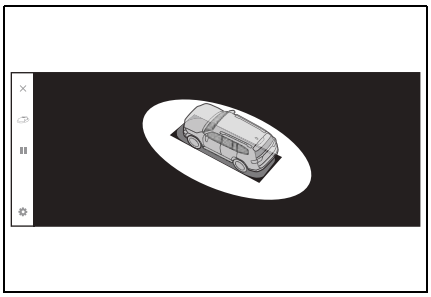


→P.430

■ **Screens when the four-wheel drive control switch is in H4 and Multi-terrain Select is in off.**

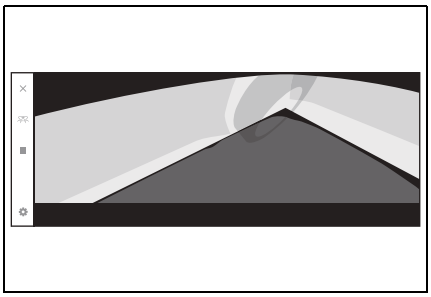
● When checking the area to the around of the vehicle

▶ Moving view



→P.434

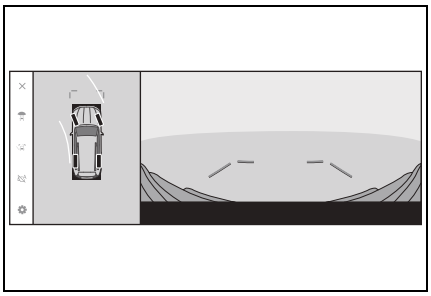
▶ See-through view



→P.434

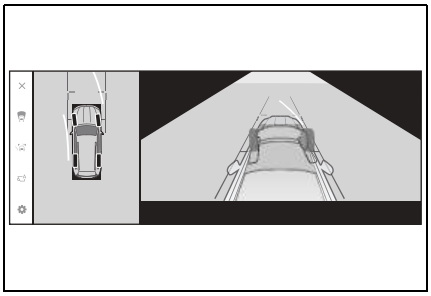
● When checking the area to the front of the vehicle

▶ Wide front view & panoramic view



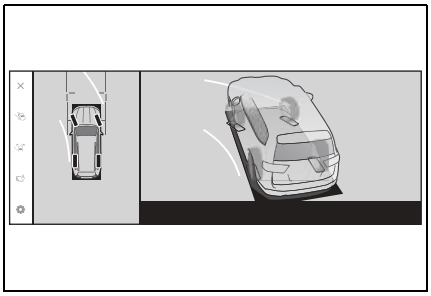
→P.435

▶ Side Clearance View & panoramic view



→P.435

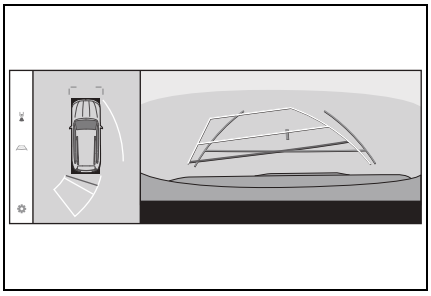
▶ Cornering View & panoramic view



→P.435

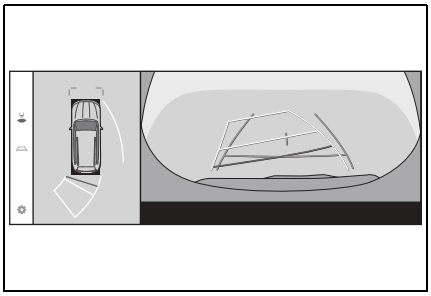
- When checking the area to the rear of the vehicle

▶ Rear view & panoramic view



→P.443

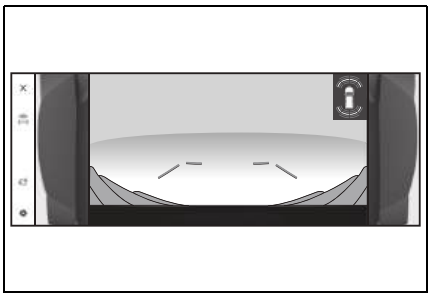
▶ Wide rear view & panoramic view



→P.443

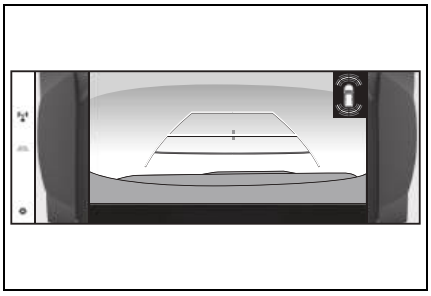
- When folding the outside rear view mirrors

▶ Side view & Wide front view



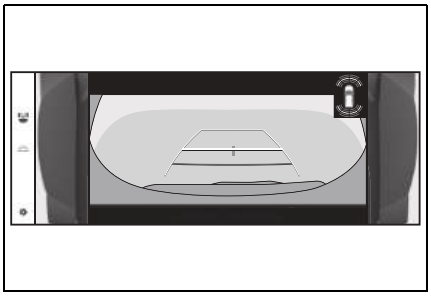
→P.451

▶ Side view & Rear view



→P.451

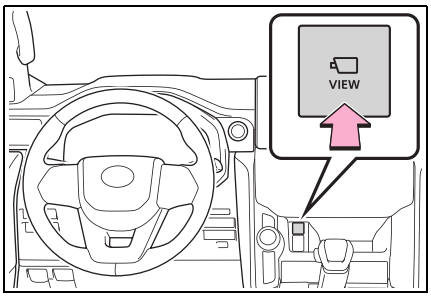
▶ Side view & Wide rear view



→P.451

Camera switch

The camera switch is located as shown in the illustration.

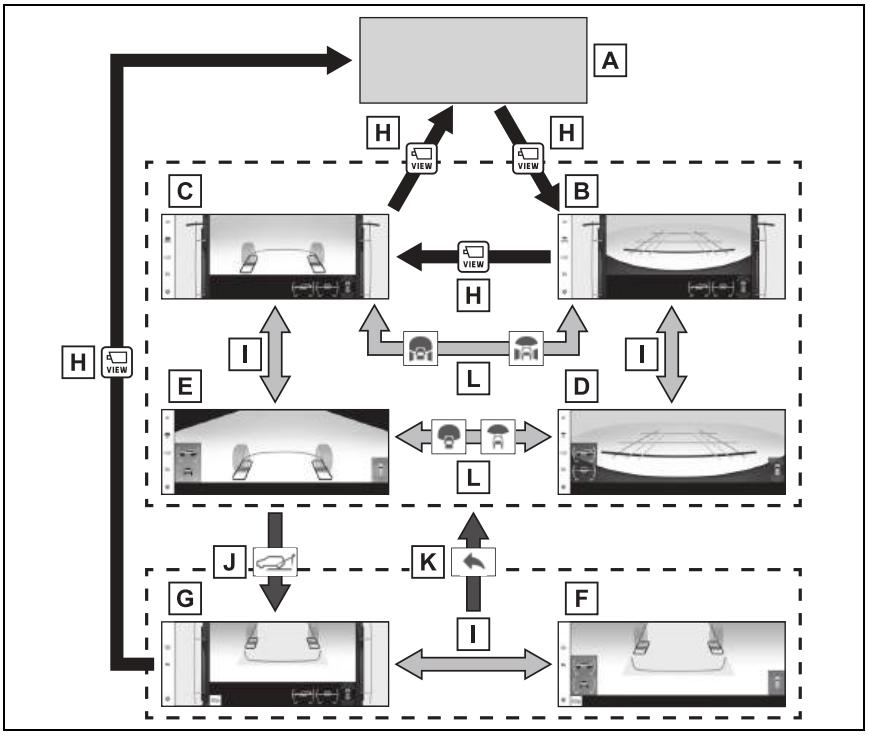


How to switch the screen

When you press the camera switch while the engine switch is in ON, the monitor display operates.
The monitor displays various views of the position of the vehicle. (The following is an example)

Four-wheel drive control switch is in L4 or H4 and Multi-terrain Select is in on

■ **When the shift position is in “P”, “D” or “N”**



A Navigation screen, audio screen, etc.

B Front view & dual side views

C Under vehicle terrain view & dual side views

D Front view (magnified)

E Under vehicle terrain view (magnified)

F Under vehicle terrain view (rear wheel) (magnified)

G Under vehicle terrain view (rear wheel) & dual side views

H Pressing the camera switch

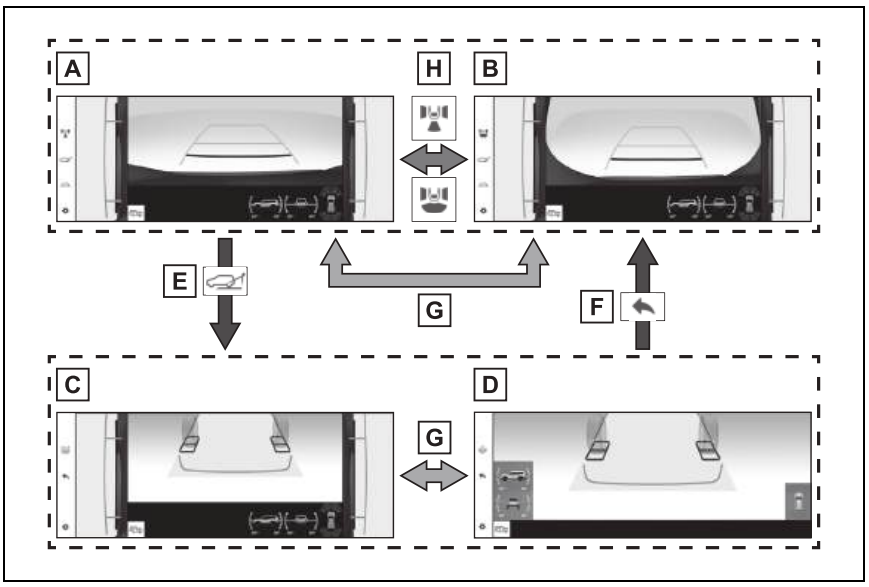
I Touch the Multi-terrain Monitor screen

J Touch the under vehicle terrain view (rear wheel) button

K Touch the return button

L Touch the display mode switching button

■ **When the shift position is in “R”**



A Rear view & dual side views

B Wide rear view & dual side views

C Under vehicle terrain view (rear side) & dual side views (except for India)

D Under vehicle terrain view (rear side) (magnified) (except for India)

E Touch the under vehicle terrain view (rear side) button (except for India)

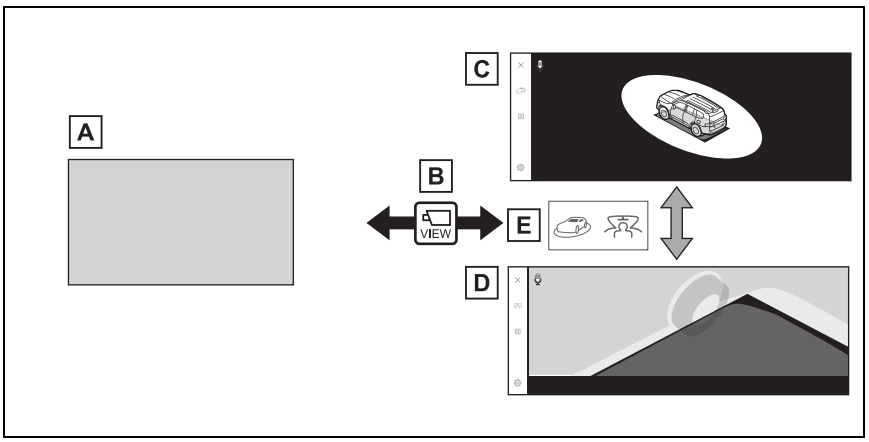
F Touch the return button (except for India)

G Touch the Multi-terrain Monitor screen

H Touch the display mode switching button

Four-wheel drive control switch is in H4 and Multi-terrain Select is in off

■ When the shift position is in “P”



A Navigation screen, audio screen, etc.

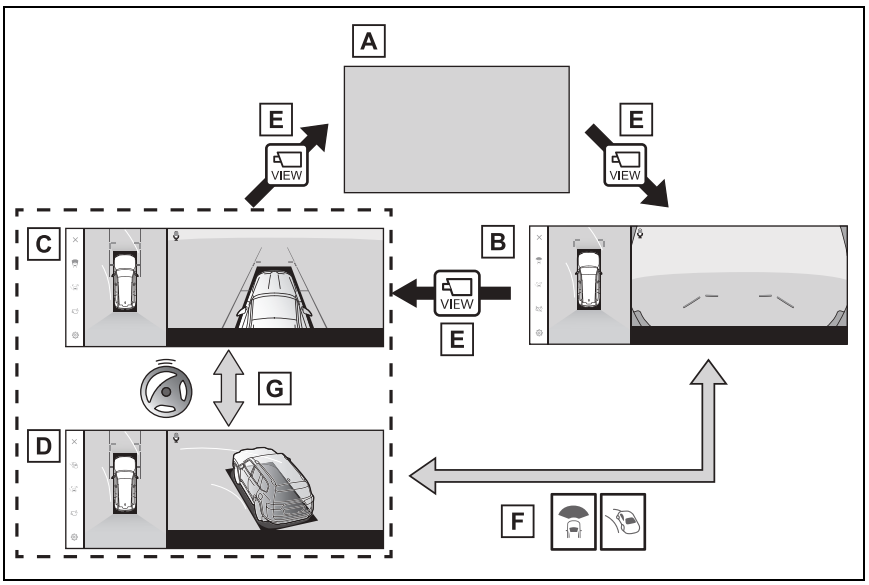
B Pressing the camera switch

C Moving view

D See-through view

E Touch the display mode switching button

■ **When the shift position is in “D” or “N”**



A Navigation screen, audio screen, etc.

B Wide front view & panoramic view

C Side clearance view & panoramic view

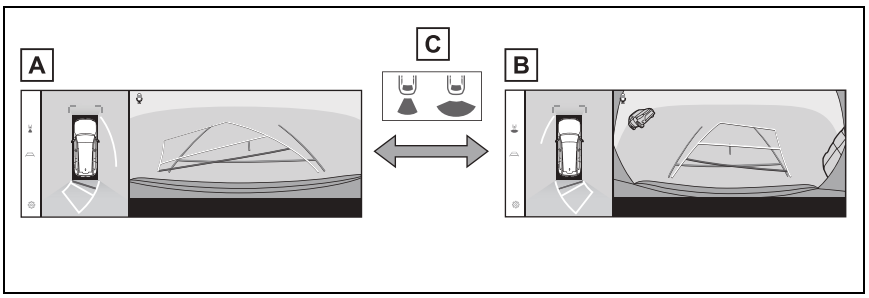
D Cornering view & panoramic view

E Pressing the camera switch

F Touch the display mode switching button

G When the steering wheel is turned by 180 degrees or more from the center (straight-line) position

■ **When the shift position is in “R”**



A Rear view & panoramic view

B Wide rear view & panoramic view

C Touch the display mode switching button

■ **Multi-terrain Monitor screen display**

- The amount of time that the Multi-terrain Monitor screen is displayed changes as follows according to the vehicle speed at the time the camera switch was pressed.
- The Multi-terrain Monitor screen is displayed if the vehicle speed is approximately 20 km/h (12 mph) or less when the camera switch is pressed.
- If the vehicle speed exceeds approximately 20 km/h (12 mph), the Multi-terrain Monitor display is canceled.
- The guide lines mode and other display settings can be saved by registering the user profile.
- The voice control system can be used to display the Multi-terrain Monitor screen, change the screen mode and for other operations.*

*: This function is not available in some countries or areas.

Screen display and functions (Four-wheel drive control switch is in L4 or H4 and Multi-terrain Select is in on)

The various screens display information to support several different driving situations, such as when checking for obstacles when moving forward or in reverse, or when judging road surface conditions during off-road driving.

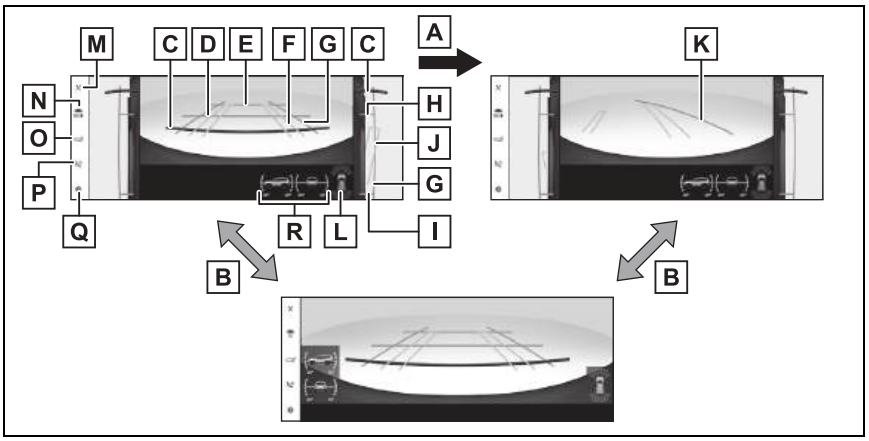
Front view & dual side views

Front view & dual side views can be used to check the area around the front of the vehicle.

To display the screen, press the camera switch when the shift position is in “P”, “D” or “N”.

- In addition to an image of the front of the vehicle, guide lines are displayed in a composite view to provide reference for when deciding a direction to move forward in.
- If the display screen is touched, the normal display will switched to the magnified display. (Touching the screen again will return the screen to the normal display)
- If the steering wheel is turned 270° or more, guide lines and other features to support turning are automatically displayed.

Screen display



A If the steering wheel is turned 270° or more

B Touching the display

C 0.5 m (1.5 ft.) distance guide line (red)

D 1 m (3 ft.) distance guide line (blue)

E 2 m (6 ft.) distance guide line (blue)

Items C to E indicate the estimated distance from the front end of the vehicle.

F Front tire course line (yellow)

Indicates the estimated course of the front tires according to steering wheel position.

G Vehicle width lines (blue)

Indicate the width of the vehicle including the outside rear view mirrors.

H Front tire contact line (blue)

I Rear tire contact line (blue)

Items H and I indicate estimated tire positions on the image.

J Rear tire course line (yellow)

Indicates the estimated course of the rear tires.

K Forward movement guide line (blue)

Indicates the estimated tire course of the tightest possible turn.

L Toyota parking assist-sensor/slip display

Indicates tire spinning by changing color and flashing the tire displayed. If the Toyota parking assist-sensor detects a static object when the system is enabled, the indicator is displayed on the screen. (→P.419)

M Display off button

Changes the screen back to the previously displayed screen, such as the audio screen.

N Display mode switching button

Switches display mode every time touch the button.

O Under vehicle terrain view (rear wheel) selection button

Switch the under vehicle terrain view (rear wheel) & dual side views (→P.424)

P Automatic display button

→P.420

Q Customize settings button

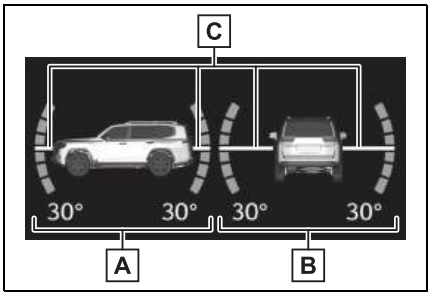
Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

R Tilt meter

Displays the vehicle's estimated degree of incline. (→P.419)

■ **Tilt meter**

Tilt meter displays the vehicle inclination to the front, rear, left and right within a range of 0° to approximately 30°.



A Degree markers of incline to the front and rear

Indicates the vehicle inclination in degrees in the front and rear directions.

B Degree markers of incline to the left and right

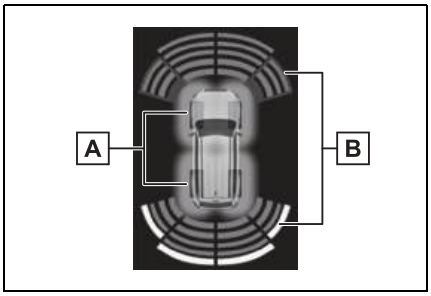
Indicates the vehicle inclination in degrees in the left and right directions.

C Pointer

Indicates the degree of the vehicle inclination in comparison to a parallel line.

■ **Toyota parking assist-sensor/slip display**

Indicates the tire that is spinning when tire spinning is detected.



A Tire icon

The tire that is spinning flashes in orange.

B Toyota parking assist-sensor pop-up display

Displayed if an obstacle is detected while the Toyota parking assist-sensor is enabled.

Automatic display mode

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:

- Touching the automatic display button turns on auto display mode.
- Turning on auto display mode automatically displays the views in the following situations:
  - When the shift position is in “D” or “N”
  - The vehicle decelerates to less than 10 km/h (6 mph) (the shift position is in any position other than “R”)

■ Front view & dual side views display

The screen can be displayed when the shift position is in “P”, “D” or “N”.

■ Tilt meter display

- The display indicates the incline of the vehicle in degrees shown by the movement of the pointer and the rotation of the vehicle image.
- The color of the degree markers of incline to the front, rear, left and right changes according to the current incline of the vehicle.
- After the engine switch is turned to ON, the degree of incline is not displayed until such information is determined
- The degree of incline showed on the tilt meter is only an approximate indication, and may differ from the degree of incline measured using other equipment.
- When the degree of incline is larger than 30°, the pointer will be displayed beyond 30°.
- If the system malfunctions, the vehicle image and pointer are not displayed. In this case, have the vehicle inspected by your Toyota dealer.

■ Slip display

If the system malfunctions, the tire icon is not displayed. In this case, have the vehicle inspected by your Toyota dealer.

Under vehicle terrain view & dual side views

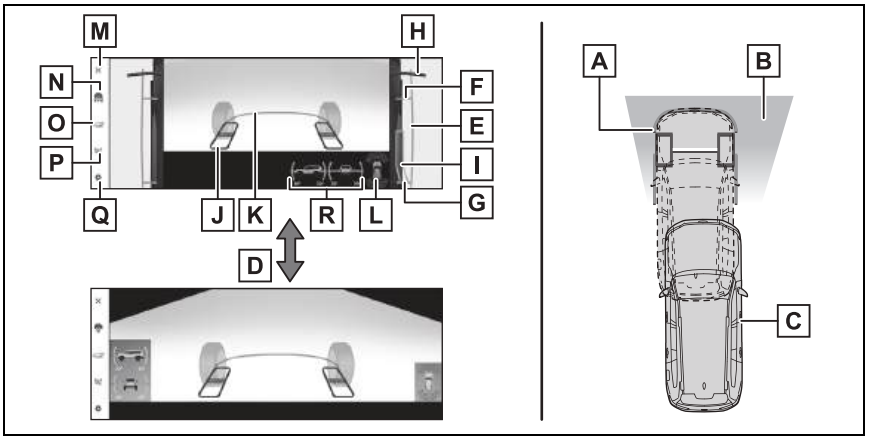
Lines indicating current vehicle and tire position are displayed in a compos-

ite view on an image taken behind the current vehicle position and assists the driver to check conditions underneath the vehicle or determine the position of the front tires.

To display the screen, press the camera switch when the shift position is in “P”, “D” or “N”.

- It is necessary to drive a certain distance or more for the image to be displayed.
- If the display screen is touched, the normal display will switched to the magnified display. (Touching the screen again will return the screen to the normal display)

Screen display



A Current vehicle position

B Image displayed in the under vehicle terrain view (image taken behind the current vehicle position)

C Vehicle position at the time the image was taken (behind the current vehicle position)

D Touching the display

E Vehicle width lines (blue)

Indicate the width of the vehicle including the outside rear view mirrors.

F Front tire contact line (blue)

G Rear tire contact line (blue)

Items F and G indicate estimated tire positions on the image.

H 0.5 m (1.5 ft.) distance guide line (red, black)

Indicate the estimated distance from the front end of the vehicle.

I Rear tire course line (yellow)

Indicates the estimated course of the rear tires.

J Tire position indicator lines (black, white)

Indicates the estimated position of the front tires.

K Vehicle position indicator lines (blue)

Indicates the estimated position of the vehicle.

L Toyota parking assist-sensor/slip display

Indicates tire spinning by changing color and flashing the tire displayed. If the Toyota parking assist-sensor detects a static object when the system is enabled, the indicator is displayed on the screen. (→P.419)

M Display off button

Changes the screen back to the previously displayed screen, such as the audio screen.

N Display mode switching button

Switches display mode every time touch the button.

O Under vehicle terrain view (rear wheel) selection button

Switch the under vehicle terrain view (rear wheel) & dual side views (→P.424)

P Automatic display button

→P.422

Q Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

R Tilt meter

Displays the vehicle's estimated degree of incline. (→P.419)

Automatic display mode

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:

- Touching the automatic display button turns on auto display mode.
- Turning on auto display mode automatically displays the views in the following situations:

• When the shift position is in “D” or “N”
• The vehicle decelerates to less than 10 km/h (6 mph) (the shift position is in any position other than “R”)

■ Under vehicle terrain view & dual side views

- The screen can be displayed when the shift position is in “P”, “D” or “N”.
- In the following situations, under vehicle terrain view will disappear.

• When the vehicle is driven with the steering wheel turned almost all the way to one side
• After the engine starts or the system returns to normal, a fixed distance or more has not yet been driven
• When the tires are slipping or spinning
• ABS is activated
• When there is a malfunction in the system

- If the outside rear view mirrors are folded while the under vehicle terrain view is being displayed, a separate screen is displayed.
- If the vehicle is driven with the steering wheel turned to a certain steering angle or greater, a part of the screen may disappear. However, this is not a malfunction.
- In the following situations, the system may not operate normally.

• The road is covered with snow
• When there are shadows due to light sources such as sunlight or illumination
• When driving on slippery roads or tires are spinning
• Dirt or foreign matter is adhering to the camera lens
• There is water in front of the vehicle (a river, puddle, sea water, etc.)
• Optional equipment has been installed
• When the camera is covered or there is an object in the image capture range
• Tires have been replaced
• When the back door is open
• When the steering wheel is operated at or more than a specified steering angle
• On roads that are not flat, such as slopes

- As vision that was captured in the past is being displayed, the screen and the actual situation may differ in the following cases:

• An obstacle appears or moves after vision is captured.
• Sand or snow crumbles and moves after vision is captured.
• Mud or puddles are in the display range.
• When the vehicle slips.

WARNING

■ Guide lines

The tire position indicator lines and vehicle position indicator lines may differ from actual vehicle positions depending on the number of passengers, cargo weight, road grade, road surface conditions, brightness of the surrounding environment, whether tires or suspension parts other than those specified are equipped, etc. Always drive the vehicle while confirming the safety of your surroundings.

WARNING

■ Under vehicle terrain view display

The image displayed is one that was previously taken at a point behind the current vehicle position. In cases such as when objects move after the image is taken, the image displayed on the screen may differ from the actual state. In addition, when driving in the dark such as at night, there are cases when obstacles cannot be confirmed from the image.

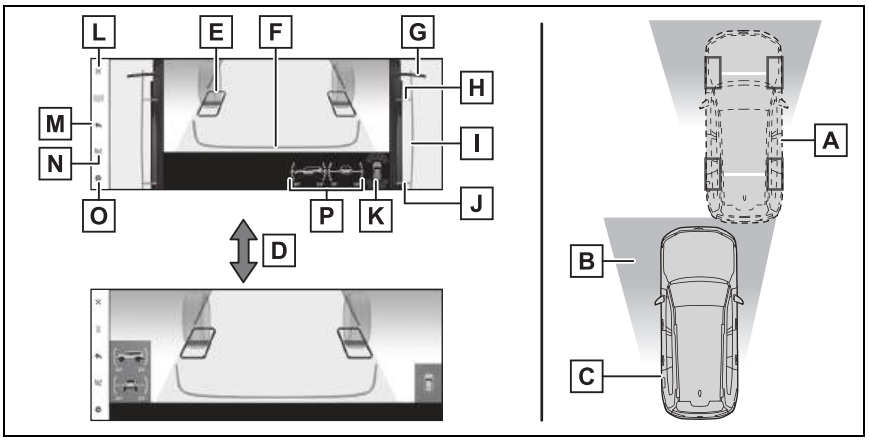
Under vehicle terrain view (rear wheel) & dual side views

Lines indicating current vehicle and tire position are displayed in a composite view on an image taken behind the current vehicle position and assists the driver to check conditions underneath the vehicle or determine the position of the rear tires.

To display the screen, press the camera switch when the shift position is in “P”, “D” or “N”, select the under vehicle terrain view (rear wheel) selection switch.

- It is necessary to drive a certain distance or more for the image to be displayed.
- If the display screen is touched, the normal display will switched to the magnified display. (Touching the screen again will return the screen to the normal display)

Screen display



A Current vehicle position

B Image displayed in the under vehicle terrain view (rear wheel) (image taken behind the current vehicle position)

C Vehicle position at the time the image was taken (behind the current vehicle position)

D Touching the display

E Tire position indicator lines (black, white)

Indicates the estimated position of the rear tires.

F Vehicle position indicator lines (blue)

Indicates the estimated position of the vehicle.

G 0.5 m (1.5 ft.) distance guide line (red, black)

Indicate the estimated distance from the front end of the vehicle.

H Front tire contact line (blue)

Indicate estimated tire positions on the image.

I Vehicle width lines (blue)

Indicate the width of the vehicle including the outside rear view mirrors.

J Rear tire contact line (blue)

Indicate estimated tire positions on the image.

K Toyota parking assist-sensor/slip display

Indicates tire spinning by changing color and flashing the tire displayed. If the

Toyota parking assist-sensor detects a static object when the system is enabled, the indicator is displayed on the screen. (→P.419)

L Display off button

Changes the screen back to the previously displayed screen, such as the audio screen.

M Return button

Return to the previous screen

N Automatic display button

→P.426

O Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

P Tilt meter

Displays the vehicle's estimated degree of incline. (→P.419)

Automatic display mode

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed. In automatic display mode, the monitor will automatically display images in the following situations:

- Touching the automatic display button turns on auto display mode.
- Turning on auto display mode automatically displays the views in the following situations:

• When the shift position is in "D" or "N"

• The vehicle decelerates to less than 10 km/h (6 mph) (the shift position is in any position other than "R")

Under vehicle terrain view (rear wheel)

- The screen can be displayed when the shift position is in "P", "D" or "N".
- In the following situations, the display of the under vehicle terrain view (rear wheel) ends and the screen automatically returns to the most recently used camera screen. In addition, the under vehicle terrain view (rear wheel) selection switch cannot be operated until the next screen can be displayed.

• When vehicle speed reaches or exceeds approximately 5 km/h (3 mph)

• When the vehicle is driven with the steering wheel turned almost all the way to one side

• When the tires are slipping or spinning

• ABS is activated

• When there is a malfunction in the system

• When the steering wheel is operated at or more than a specified steering angle

- If the outside rear view mirrors are folded while the under vehicle terrain view (rear wheel) is being displayed, a

separate screen is displayed.

- If the vehicle is driven with the steering wheel turned to a certain steering angle or greater, a part of the screen may disappear. However, this is not a malfunction.
- In the following situations, the system may not operate normally or may not be able to switch to the under vehicle terrain view (rear wheel). In addition, the under vehicle terrain view (rear wheel) selection switch cannot be operated until the next screen can be displayed.
  - The road is covered with snow
  - When there are shadows due to light sources such as sunlight or illumination
  - When driving on slippery roads or tires are spinning
  - Dirt or foreign matter is adhering to the camera lens
  - There is water in front of the vehicle (a river, puddle, sea water, etc.)
  - Optional equipment has been installed
  - When the camera is covered or there is an object in the image capture range
  - Tires have been replaced
  - When the back door is open
  - When the steering wheel is operated at or more than a specified steering angle
  - On roads that are not flat, such as slopes
- As vision that was captured in the past is being displayed, the screen and the actual situation may differ in the following cases:
  - An obstacle appears or moves after vision is captured.
  - Sand or snow crumbles and moves after vision is captured.
  - Mud or puddles are in the display range.
  - When the vehicle slips.

WARNING

■ Guide lines

The tire position indicator lines and vehicle position indicator lines may differ from actual vehicle positions depending on the number of passengers, cargo weight, road grade, road surface conditions, brightness of the surrounding environment, whether tires or suspension parts other than those specified are equipped, etc. Always drive the vehicle while confirming the safety of your surroundings.

■ Under vehicle terrain view (rear wheel) display

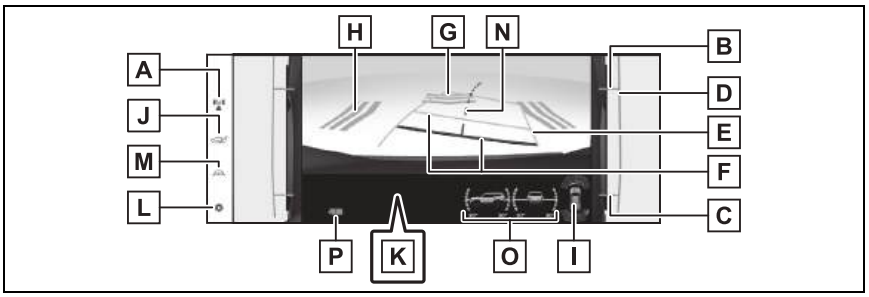
The image displayed is one that was previously taken at a point behind the current vehicle position. In cases such as when objects move after the image is taken, the image displayed on the screen may differ from the actual state. In addition, when driving in the dark such as at night, there are cases when obstacles cannot be confirmed from the image.

Rear view & dual side views/wide rear view & dual side views

The rear view & dual side views and the wide rear view & dual side views screen provide support when checking the areas of behind the vehicle and around the vehicle while backing up, for example while parking.

The screens will be displayed when the shift position is in “R”.

Screen display



A Display mode switching button

Switches display mode every time you touch the button.

B Front tire contact line (blue)

C Rear tire contact line (blue)

Items B and C indicate estimated tire positions on the image.

D Vehicle width extension guide line (blue)

Indicates the estimated vehicle width including the outside rear view mirrors.

E Projected course lines (yellow)

Indicate the estimated course of the vehicle according to steering operations.

F Distance guide line

Shows the distance behind the vehicle when the steering wheel is turned.

- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center end of the rear bumper.

G RCD (Rear Camera Detection)

Displayed automatically when a pedestrian is detected.

H RCTA (Rear Cross Traffic Alert) (if equipped)/RCD (Rear Camera Detection)

The indicator is displayed on the screen in the following situations.

- When the rear radar detects an approaching vehicle or obstacle from the rear
- When the rear camera detects a pedestrian to the rear

I Toyota parking assist-sensor/slip display

Indicates tire spinning by changing color and flashing the tire displayed. If the Toyota parking assist-sensor detects a static object when the system is enabled, the indicator is displayed on the screen. (→P.419)

J Under vehicle terrain view (rear side) selection button (except for India)

Switch the under vehicle terrain view (rear side) & dual side views (→P.430)

K PKSB (Parking Support Brake) (if equipped)

If an obstacle that you may collide with is detected, a message (example: “BRAKE!”) is displayed on the screen.

L Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

M Guide line switching button

Switches guide line mode every time you touch the button.

N Vehicle center estimated course line

Shows a vehicle center estimated course when the steering wheel is turned.

O Tilt meter

Displays the vehicle’s estimated degree of incline. (→P.419)

P Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

■ Rear view & dual side views/wide rear view & dual side views

- The monitor is canceled when the shift position is shifted into any position other than “R”.
- The display position of the Toyota parking assist-sensor and the position of obstacles displayed in the camera image do not match.

■ Guide lines

If the back door is not closed, guide lines will not be displayed. If the guide lines do not display even when the back door is closed, have the vehicle inspected at your Toyota dealer.

⚠ WARNING

■ Toyota parking assist-sensor display

When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

■ Rear view & dual side views/wide rear view & dual side views display

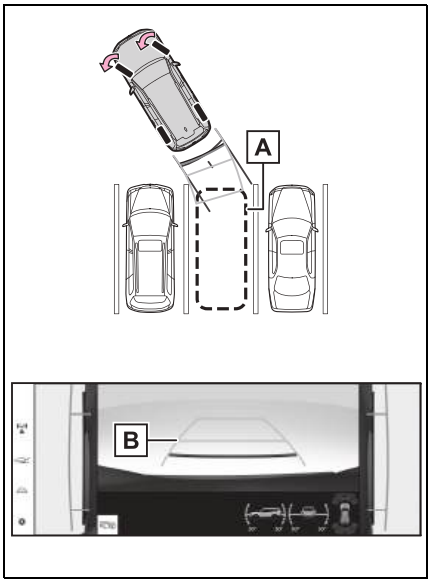
As the Toyota parking assist-sensor display and RCTA (Rear Cross Traffic Alert) display are displayed over the camera view, it may be difficult to see the Toyota parking assist-sensor display and RCTA (Rear Cross Traffic Alert) display depending on the color and brightness of the surrounding area.

Parking

When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

1 Shift the shift position to “R”.

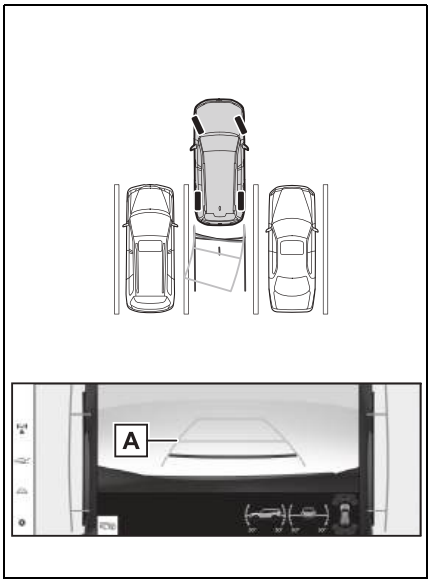
2 Turn the steering wheel so that the estimated course lines are within the parking space, and back up slowly.



A Parking space

B Estimated course lines

3 When the rear position of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are within the left and right dividing lines of the parking space.



A Estimated course lines

4 Once the estimated course lines and the parking space lines are parallel, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.

5 Stop the vehicle in an appropriate place, and finish parking.

Under vehicle terrain view (rear side) & dual side views (except for India)

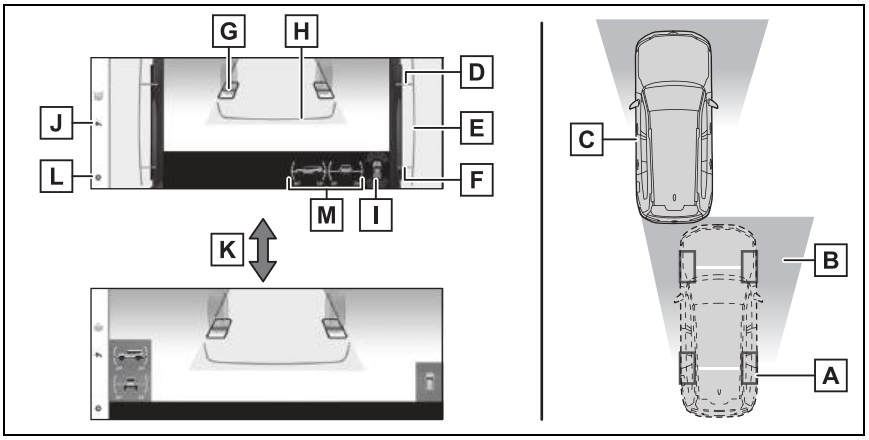
Lines indicating current vehicle and tire position are displayed in a compos-

ite view on an image taken in front of the current vehicle position and assists the driver to check conditions underneath the vehicle or determine the position of the rear tires.

To display the screen, when the shift position is in “R”, select the under vehicle terrain view (rear side) selection switch.

- It is necessary to drive a certain distance or more for the image to be displayed.
- If the display screen is touched, the normal display will switched to the magnified display. (Touching the screen again will return the screen to the normal display)

Screen display



A Current vehicle position

B Image displayed in the under vehicle terrain view (rear side) (image taken in front of the current vehicle position)

C Vehicle position at the time the image was taken (in front of the current vehicle position)

D Front tire contact line (blue)

Indicate estimated tire positions on the image.

E Vehicle width lines (blue)

Indicate the width of the vehicle including the outside rear view mirrors.

F Rear tire contact line (blue)

Indicate estimated tire positions on the image.

G Tire position indicator lines (black, white)

Indicates the estimated position of the rear tires.

H Vehicle position indicator lines (blue)

Indicates the estimated position of the vehicle.

I Toyota parking assist-sensor/slip display

Indicates tire spinning by changing color and flashing the tire displayed. If the Toyota parking assist-sensor detects a static object when the system is enabled, the indicator is displayed on the screen. (→P.419)

J Return switch

Return to the previous screen

K Touching the display

L Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

M Tilt meter

Displays the vehicle's estimated degree of incline. (→P.419)

■ Under vehicle terrain view (rear side)

- The screen can be displayed when the shift position is in "R".
- While the under vehicle terrain view (rear side) is displayed, if the vehicle speed reaches or exceeds approximately 5 km/h (3 mph), the screen automatically returns to the previous display.
- In the following situations, the display of the under vehicle terrain view (rear side) ends and the screen automatically returns to the most recently used camera screen. In addition, the under vehicle terrain view (rear side) selection switch cannot be operated until the next screen can be displayed.
  - When the tires are slipping or spinning
  - ABS is activated
  - When there is a malfunction in the system
  - RCTA (Rear Cross Traffic Alert), RCD (Rear Camera Detection) or PKSB (Parking Support Brake) is activated
  - When the back door is open
- If the outside rear view mirrors are folded while the under vehicle terrain view (rear side) is being displayed, a separate screen is displayed.
- If the vehicle is driven with the steering wheel turned to a certain steering angle or greater, a part of the screen may disappear. However, this is not a malfunction.
- In the following situations, the system may not operate normally or may not be able to switch to the under vehicle terrain view (rear side). In addition, the under vehicle terrain view (rear side) selection switch cannot be operated until the next screen can be displayed.
  - The road is covered with snow
  - When there are shadows due to light sources such as sunlight or illumination

- When driving on slippery roads or tires are spinning
- Dirt or foreign matter is adhering to the camera lens
- There is water in front of the vehicle (a river, puddle, sea water, etc.)
- Optional equipment has been installed
- When the camera is covered or there is an object in the image capture range
- Tires have been replaced
- When the back door is open
- When the steering wheel is operated at or more than a specified steering angle
- On roads that are not flat, such as slopes

● As vision that was captured in the past is being displayed, the screen and the actual situation may differ in the following cases:

- An obstacle appears or moves after vision is captured.
- Sand or snow crumbles and moves after vision is captured.
- Mud or puddles are in the display range.
- When the vehicle slips.

WARNING

■ Guide lines

The tire position indicator lines and vehicle position indicator lines may differ from actual vehicle positions depending on the number of passengers, cargo weight, road grade, road surface conditions, brightness of the surrounding environment, whether tires or suspension parts other than those specified are equipped, etc. Always drive the vehicle while confirming the safety of your surroundings.

■ Under vehicle terrain view (rear side) display

● The image displayed is one that was previously taken at a point in front of the current vehicle position. In cases such as when objects move after the image is taken, the image displayed on the screen may differ from the actual state. In addition, when driving in the dark such as at night, there are cases when obstacles cannot be confirmed from the image.

● The area covered by the camera is limited. When driving, be sure to check the vehicle's surroundings with your own eyes and the vehicle's mirrors.

Screen display and functions (Four-wheel drive control switch is in H4 and Multi-terrain Select is in off)

The various screens display information to support several different driving situations, such as when checking for obstacles when moving forward

Display mode when the shift position is in "P"

This is a mode that displays images combined from the cameras to enable you to check obstacles around the vehicle. Images are displayed as if seen from the driver's seat and on an angle from above the vehicle.

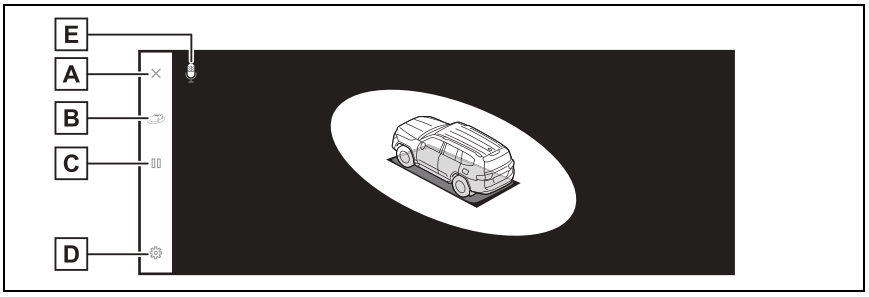
Screen display

1 Shift the shift position to “P”.

2 Press the camera switch.

- The mode changes every time the display mode switching button is touched.
- Pressing the camera switch again returns the display to the previous screen, such as the navigation screen.

▶ Moving view



A Screen off button

Turns off the camera screen and returns the previous screen, such as the audio screen.

B Display mode switching button

Switches between see-through view and moving view.

C Rotation pause/resume button

Pauses and resumes the rotation of the display.

D Customize settings button

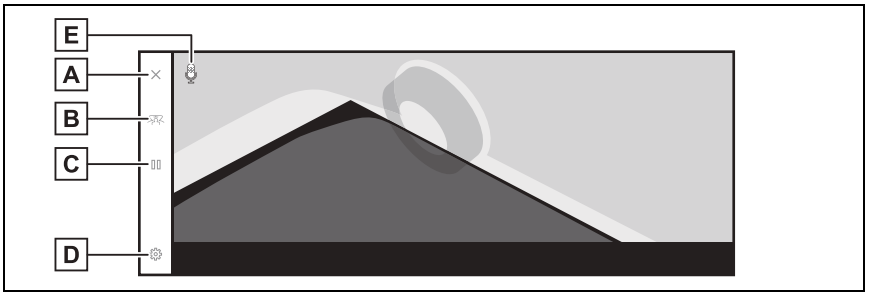
Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

E Voice recognition icon

This icon is displayed when the voice control system is in operation.

This function is not available in some countries or areas.

▶ See-through view



A Screen off button

Turns off the camera screen and returns the previous screen, such as the audio screen.

B Display mode switching button

Switches between see-through view and moving view.

C Rotation pause/resume button

Pauses and resumes the rotation of the display.

D Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

E Voice recognition icon

This icon is displayed when the voice control system is in operation.

This function is not available in some countries or areas.

- When the Toyota parking assist-sensor (→P.382) is turned on, you can display see-through view or moving view.
- You can also pause and resume the rotation of the see-through view and moving view screen by touching any point on the screen.

Display mode when the shift position is in “D” or “N”

You can check for nearby pedestrians, bicycles, and vehicles at intersections with poor visibility and T-junctions by displaying vision of your surroundings on the screen. This mode also provides support to check both sides of the vehicle for safety, avoid collisions on narrow roads, and pulling over to the side of the road.

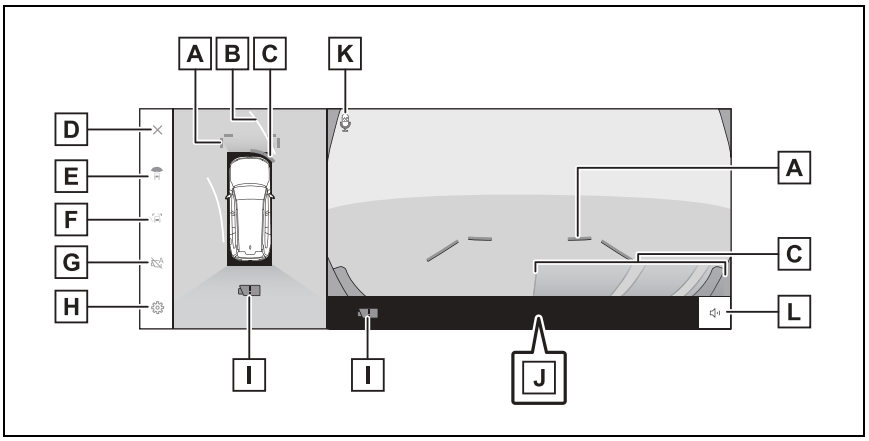
Screen display

1 Shift the shift position to “D” or “N”.

2 Press the camera switch.

- The mode changes every time you press the camera switch.
- If the cornering view mode is on and you turn the steering wheel more than 180 degrees from the straight position, the display will change from side clearance view & panoramic view to cornering view & panoramic view.

▶ Wide front view & panoramic view



A Front distance guide lines

Displays about 1 m (3 ft.) in front of the vehicle.

B Forward estimated course lines

Displays course lines that are linked to operation of the steering wheel. (Yellow)

These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.

C Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

D Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

E Display mode switching button

Switches display mode every time you touch the button.

F Guide line switching button

Switches guide line mode every time you touch the button. (→P.440)

G Automatic display button

Turns the auto display mode on or off. When the shift position is in “D” or “N”, wide front view & panoramic view or side clearance view/cornering view & panoramic view will be automatically displayed in accordance with the vehicle speed. (→P.441)

H Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

I Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

J PKSB (Parking Support Brake) (if equipped)

If an obstacle that you may collide with is detected, a message (example: “BRAKE!”) is displayed on the screen.

K Voice recognition icon

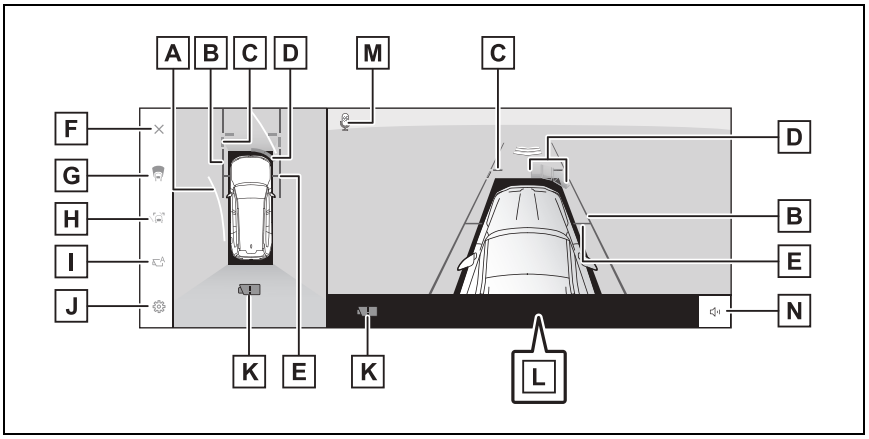
This icon is displayed when the voice control system is in operation.

This function is not available in some countries or areas.

L Toyota parking assist-sensor mute button

This button temporarily mutes the Toyota parking assist-sensor sound.

▶ Side clearance view & panoramic view



A Forward estimated course lines

Displays course lines that are linked to operation of the steering wheel. (Yellow)

These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.

B Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

C Front distance guide lines

Displays about 1 m (3 ft.) in front of the vehicle.

D Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

E Front tire guide lines

Displays the position of the front tires.

F Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

G Display mode switching button

Switches display mode every time you touch the button.

H Guide line switching button

Switches guide line mode every time you touch the button. (→P.440)

I Automatic display button

Turns the auto display mode on or off. When the shift position is in "D" or "N", wide front view & panoramic view or side clearance view/cornering view & panoramic view will be automatically displayed in accordance with the vehicle speed. (→P.441)

J Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

K Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

L PKSB (Parking Support Brake) (if equipped)

If an obstacle that you may collide with is detected, a message (example: "BRAKE!") is displayed on the screen.

M Voice recognition icon

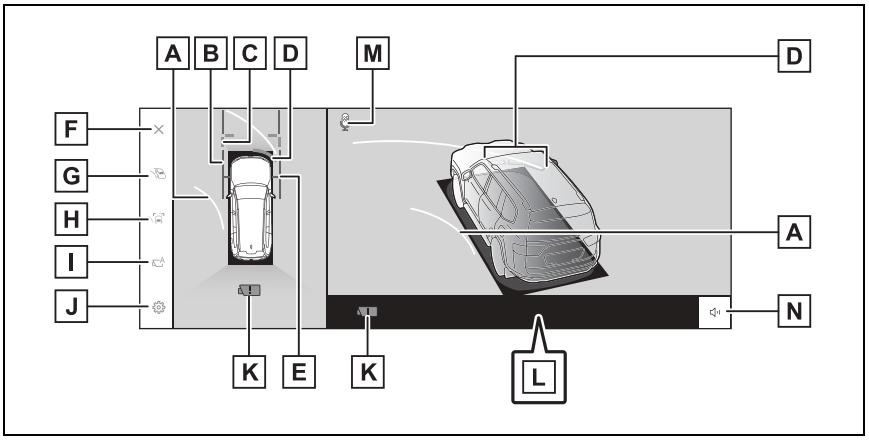
This icon is displayed when the voice control system is in operation.

This function is not available in some countries or areas.

N Toyota parking assist-sensor mute button

This button temporarily mutes the Toyota parking assist-sensor sound.

▶ Cornering view & panoramic view



A Forward estimated course lines

Displays course lines that are linked to operation of the steering wheel. (Yellow)

These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.

B Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

C Front distance guide lines

Displays about 1 m (3 ft.) in front of the vehicle.

D Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

E Front tire guide lines

Displays the position of the front tires.

F Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

G Display mode switching button

Switches display mode every time you touch the button.

H Guide line switching button

Switches guide line mode every time you touch the button. (→P.440)

I Automatic display button

Turns the auto display mode on or off. When the shift position is in “D” or “N”, wide front view & panoramic view or side clearance view/cornering view & panoramic view will be automatically displayed in accordance with the vehicle speed. (→P.441)

J Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

K Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

L PKSB (Parking Support Brake) (if equipped)

If an obstacle that you may collide with is detected, a message (example: “BRAKE!”) is displayed on the screen.

M Voice recognition icon

This icon is displayed when the voice control system is in operation.

This function is not available in some countries or areas.

N Toyota parking assist-sensor mute button

This button temporarily mutes the Toyota parking assist-sensor sound.

■ Side clearance view & panoramic view screen/cornering view & panoramic view display

- When the Toyota parking assist-sensor (→P.382) is turned on, you can display side clearance view & panoramic view/cornering view.
- The display position of the Toyota parking assist-sensor may not match the position of the obstacle displayed in the camera image.

WARNING

■ Guide line

The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.

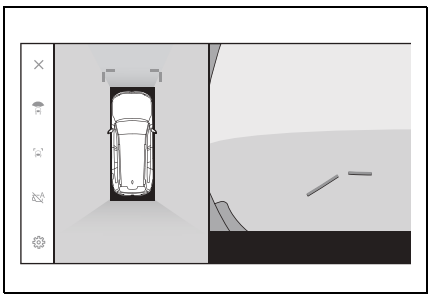
■ Toyota parking assist-sensor display

The Toyota parking assist-sensor display is superimposed on the camera image, so it may be difficult to see depending on the brightness of the surroundings and colors.

Changing the guide line display mode

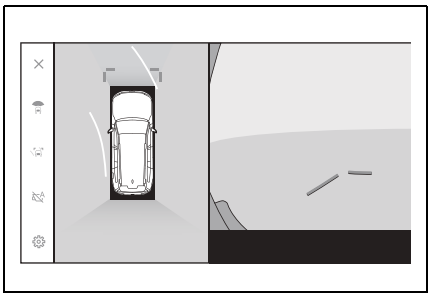
The guide line display mode changes every time the guide line display mode button is touched.

▶ Distance guide lines mode



Displays about 1 m (3 ft.) in front of the vehicle. (blue)

▶ Estimated course lines mode



Displays course lines that are linked to operation of the steering wheel. (Yellow) These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.

Auto display mode

Although you can display wide front view & panoramic view and side clearance view & panoramic view/cornering view by pressing the camera switch, you can also set auto display mode to display the views automatically in accordance with the vehicle speed.

- Touching the automatic display button turns on auto display mode.
- Turning on auto display mode automatically displays the views in the following situations:

• When the shift position is in “D” or “N”
• The vehicle decelerates to less than 10 km/h (6mph) (the shift position is in any position other than “R”)

Cornering view auto display

You can set the cornering view auto display mode to automatically display cornering view & panoramic view in accordance with the operation of the steering wheel.

- Turning on cornering view auto display mode automatically displays cornering view in the following situations:

• When the shift position is in “D” or “N”
• The vehicle decelerates to less than 12 km/h (7 mph)
• When the steering wheel is turned by 180 degrees or more from the center (straight-line) position

■ Cornering view auto display

You can change cornering view auto mode in the custom settings.

Toyota parking assist-sensor linked display

Depending on the Toyota parking assist-sensor detection state, wide front view & panoramic view/Side clearance view/Cornering view &

panoramic view will be displayed.

- The views are displayed automatically when the Toyota parking assist-sensor detects an obstacle (when the shift position is in “D” or “N”).
- The display returns to the previous screen automatically when the Toyota parking assist-sensor stops detecting an obstacle.

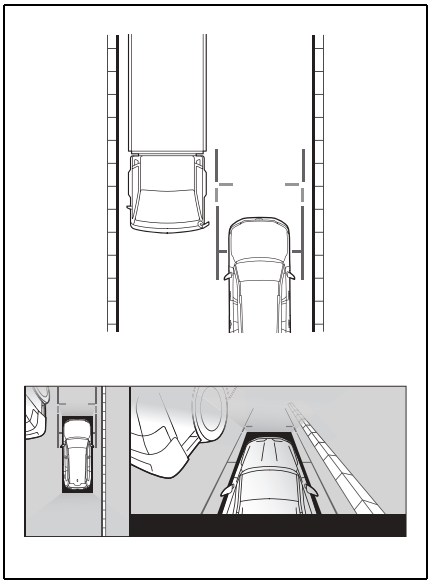
■ Toyota parking assist-sensor linked display

- You can also return to the previous screen by pressing the camera switch displayed on the screen.
- If the Multi-terrain Monitor screen is canceled when an obstacle is detected, the Multi-terrain Monitor screen can be displayed again by touching the Toyota parking assist-sensor mark shown on the multimedia system screen.

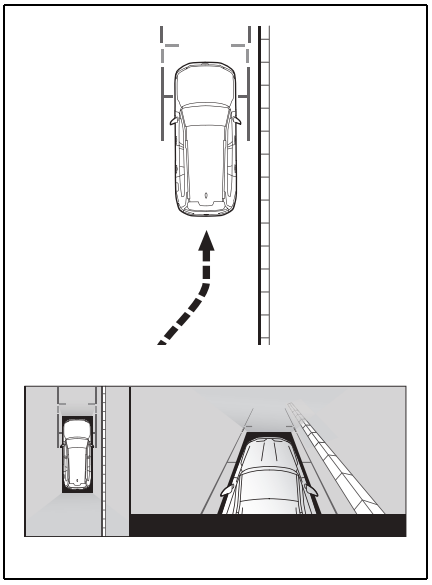
Using the vehicle width guide lines

■ Side Clearance View & panoramic view

- Check the positional relationship between the vehicle width guide lines and an obstacle.
- Turn the steering wheel and drive forward so that the vehicle width guide lines do not overlap the actual obstacle.



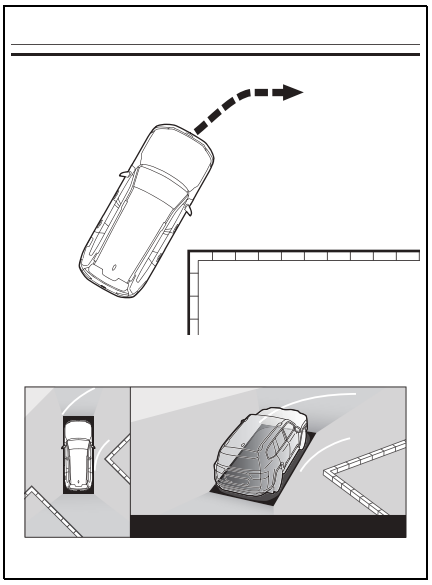
- Check the positional relationship between the vehicle width guide lines and an object such as curbs on the shoulder of a road.
- Pull the vehicle over so that the vehicle width guide lines do not overlap the obstacle as shown in the figure.
- By driving with the vehicle width guide lines parallel to the object, you can park alongside the object.



Using the forward estimated course lines

■ **Cornering View & panoramic view**

- Check the positional relationship between the forward estimated course lines and an obstacle.
- Turn the steering wheel and drive forward so that the forward estimated course lines do not overlap the actual obstacle.



Display mode when the shift position is in “R”

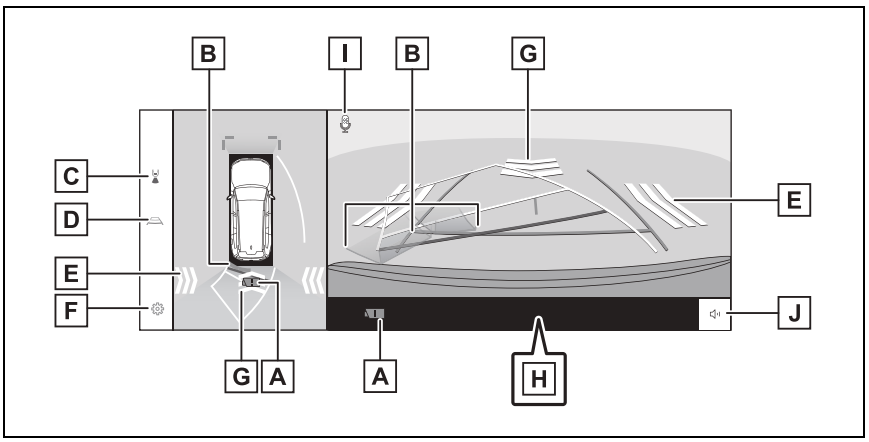
To check for safety when parking the vehicle, an image is displayed from above the vehicle and from the rear camera.

Screen display

1 Shift the shift position to “R”.

The mode changes every time you touch the display mode switching button.

▶ Rear view & panoramic view



A Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

B Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

C Display mode switching button

Switches display mode every time you touch the button.

D Guide line switching button

Switches guide line mode every time you touch the button. (→P.447)

E RCTA (Rear Cross Traffic Alert) (if equipped)/RCD (Rear Camera Detection)

The indicator is displayed on the screen in the following situations.

- When the rear camera detection function detects a pedestrian in the rear
- When the rear camera detects a pedestrian to the rear

F Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

G RCD (Rear Camera Detection)

If the rear camera detects a pedestrian behind the vehicle, an indicator is displayed on the screen.

H PKSB (Parking Support Brake) (if equipped)

If an obstacle that you may collide with is detected, a message (example:

"BRAKE!") is displayed on the screen.

I Voice recognition icon

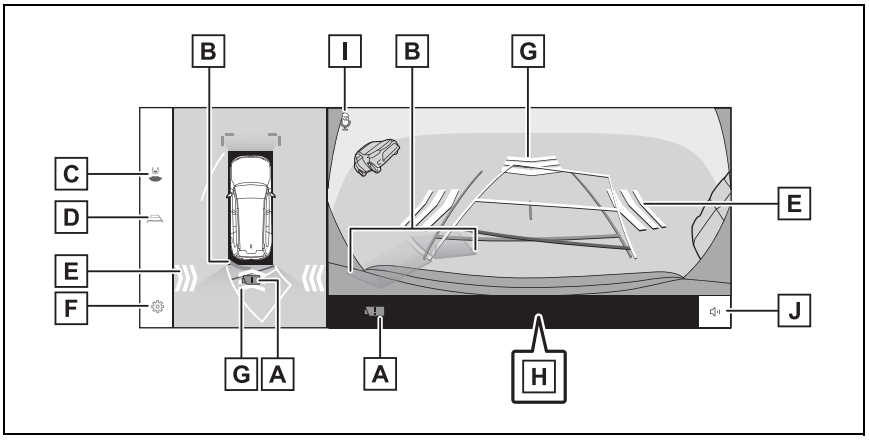
This icon is displayed when the voice control system is in operation.

This function is not available in some countries or areas.

J Toyota parking assist-sensor/RCTA (Rear Cross Traffic Alert) (if equipped)/RCD (Rear Camera Detection) mute button

This button temporarily mutes the Toyota parking assist-sensor, RCTA (Rear Cross Traffic Alert) and RCD (Rear Camera Detection) buzzer sound.

▶ Wide rear view & panoramic view



A Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

B Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

C Display mode switching button

Switches display mode every time you touch the button.

D Guide line switching button

Switches guide line mode every time you touch the button. (→P.447)

E RCTA (Rear Cross Traffic Alert) (if equipped)/RCD (Rear Camera Detection)

The indicator is displayed on the screen in the following situations.

- When the rear camera detection function detects a pedestrian in the rear
- When the rear camera detects a pedestrian to the rear

F Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance. (→P.455)

G RCD (Rear Camera Detection)

If the rear camera detects a pedestrian behind the vehicle, an indicator is displayed on the screen.

H PKSB (Parking Support Brake) (if equipped)

If an obstacle that you may collide with is detected, a message (example: “BRAKE!”) is displayed on the screen.

I Voice recognition icon

This icon is displayed when the voice control system is in operation.

This function is not available in some countries or areas.

J Toyota parking assist-sensor/RCTA (Rear Cross Traffic Alert) (if equipped)/RCD (Rear Camera Detection) mute button

This button temporarily mutes the Toyota parking assist-sensor, RCTA (Rear Cross Traffic Alert) and RCD (Rear Camera Detection) buzzer sound.

■ Rear view & panoramic view/wide rear view & panoramic view display

- Pressing the camera switch when the shift position is in “R” enables you to change to panoramic view & wide front view.
- The display position of the Toyota parking assist-sensor (→P.382) may not match the position of the obstacle displayed in the camera image.

WARNING

■ Guide line

- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.

■ Toyota parking assist-sensor, RCTA (Rear Cross Traffic Alert) and RCD (Rear Camera Detection) display

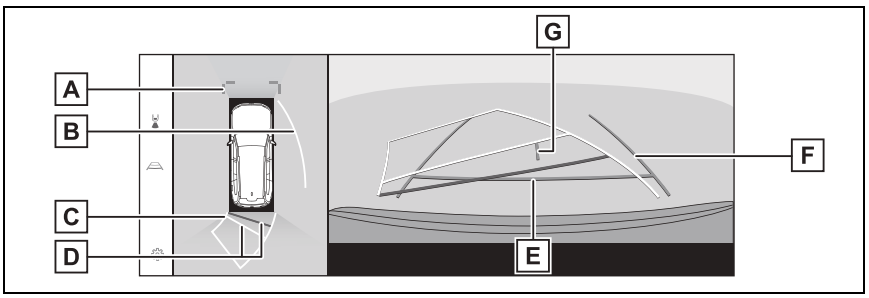
The Toyota parking assist-sensor, RCTA (Rear Cross Traffic Alert) and RCD (Rear Camera Detection) displays are overlapped and displayed on the camera image, so it may be difficult to see depending on the brightness of the surroundings and colors.

Changing the guide line display mode

The guide line display mode changes every time you touch the guide line switching button.

▶ Estimated course lines mode

This mode displays estimated course lines that move in accordance with the operation of the steering wheel.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Side estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

C Reverse estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

D Rear distance guide lines

Displays the distance behind the vehicle.
- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center end of the rear bumper.

E Rear distance guide line

Displays about 0.5 m (1.5 ft.) (blue) from the end of the rear bumper.

F Vehicle width guide lines

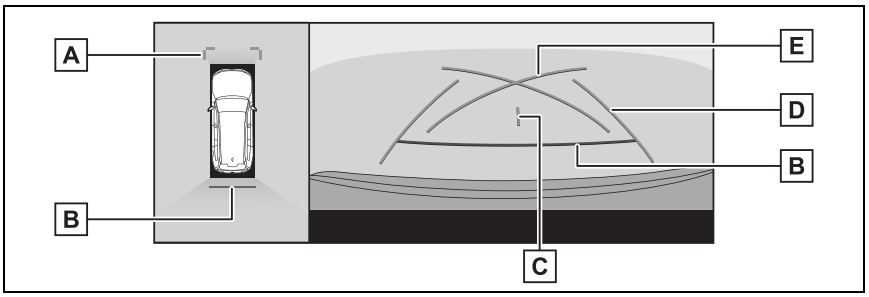
Displays course lines when the vehicle is being reversed in a straight line.
- The lines are wider than the actual width of the vehicle.
- When the vehicle is straight, the guide lines will overlap with the estimated course lines.

G Vehicle center guide line

Displays the center of the vehicle width guide lines.

▶ Parking assist guide lines mode

This mode displays the steering wheel return points (parking assist guide lines). This mode is recommended for those who have a sense of the vehicle and can park the vehicle without the aid of the estimated course lines.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Rear distance guide lines

Displays the distance behind the vehicle.
- Displays about 0.5 m (1.5 ft.) (red) from the center end of the rear bumper.

C Vehicle center guide line

Displays the center of the vehicle width guide lines.

D Vehicle width guide lines

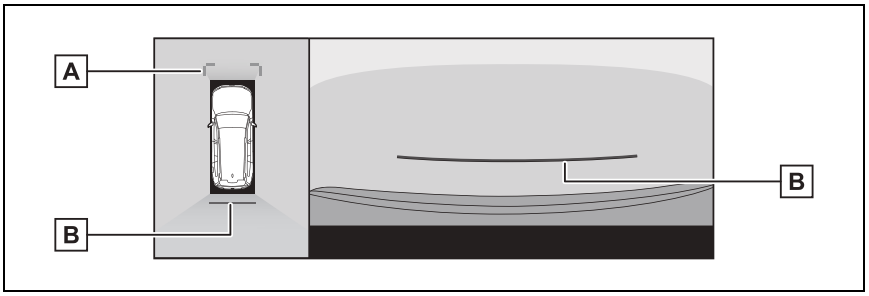
Displays course lines when the vehicle is being reversed in a straight line.
- The lines are wider than the actual width of the vehicle.

E Parking assist guide lines

Displays the course lines of the smallest turn possible behind the vehicle.
- Use the position of operating the steering wheel when parking as a guide.

▶ Distance guide lines mode

This mode only displays the distance guide lines. It is recommended for those who do not need the guide lines.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Rear distance guide lines

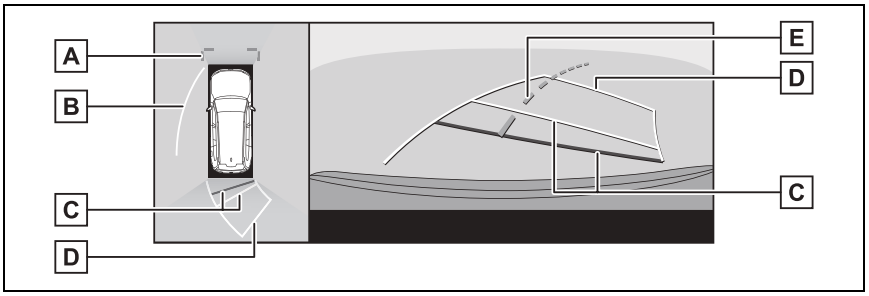
Displays the distance behind the vehicle.

- Displays about 0.5 m (1.5 ft.) (red) from the center end of the rear bumper.

▶ Estimated course center line mode

This mode displays estimated course lines and a vehicle center guide line that move in accordance with the operation of the steering wheel.

Use this mode when approaching a signpost or pole with the center of the rear bumper.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Side estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

C Rear distance guide lines

Displays the distance behind the vehicle.

- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center end of the rear bumper.

D Reverse estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

E Estimated course center line

Displays the vehicle center guide line (green) that is linked to operation of the steering wheel.

■ Guide line display mode

The guide lines will not be displayed if the back door is not closed. If the back door is closed but the guide lines are still not displayed, have the vehicle inspected by your Toyota dealer.

⚠ WARNING

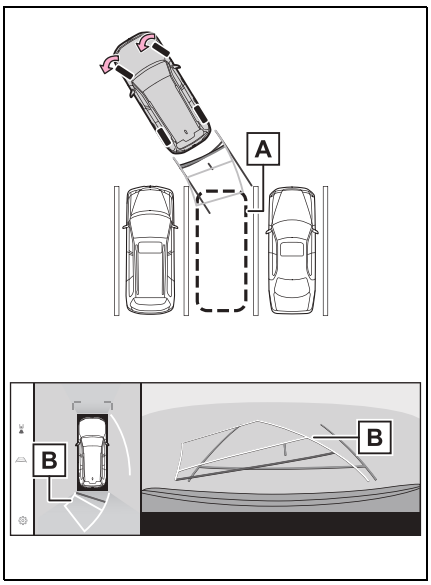
■ Guide line display mode

The rear vehicle width guide lines are wider than the actual width of the vehicle. Always make sure to visually check behind you and your surroundings when you are reversing.

Parking using the estimated course lines mode

1 Shift the shift position to “R”.

2 Turn the steering wheel so that the estimated course lines are within the parking space and then reverse slowly.

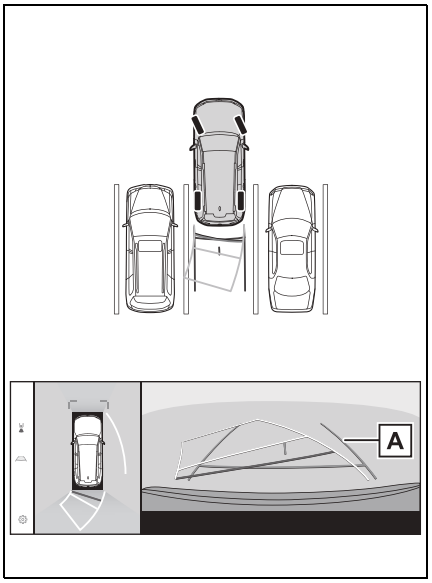


A Parking space

B Estimated course lines

3 When the rear of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are

within the left and right dividing lines of the parking space.



A Vehicle width guide lines

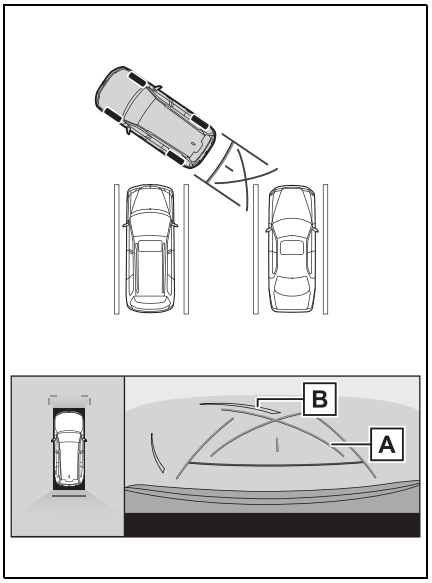
4 Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.

5 Stop the vehicle in an appropriate place to finish parking.

Parking using the parking assist guide lines mode

1 Shift the shift position to “R”.

2 Reverse until the parking assist guide lines align with the right-hand dividing line of the parking space.



A Parking assist guide lines

B Parking space dividing lines

3 Turn the steering wheel all the way to the left, and reverse slowly.

4 Once the vehicle is parallel with the parking space, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.

5 Stop the vehicle in an appropriate place to finish parking.

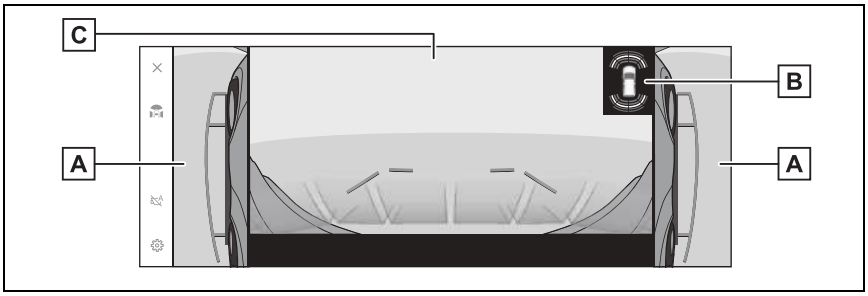
The screen when the outside rear view mirrors are folded

When the outside rear view mirrors are folded, an image from the side cam-

eras rather than panoramic view will be displayed. This can assist you in confirming that the vicinity of the vehicle is safe when you are parking in a narrow place.

Screen display

▶ Side view & Wide front view



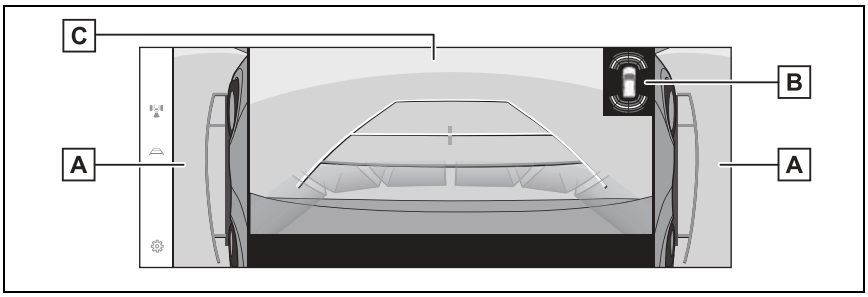
A Side views

B Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

C Wide front view

▶ Side view & Rear view



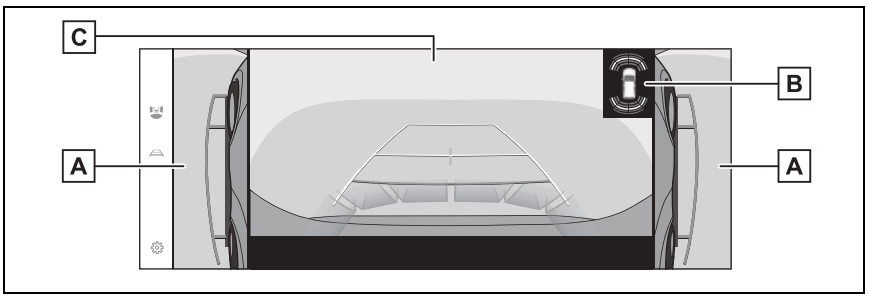
A Side views

B Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

C Rear view

▶ Side view & Wide rear view



A Side views

B Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor.

C Wide rear view

■ Toyota parking assist-sensor display

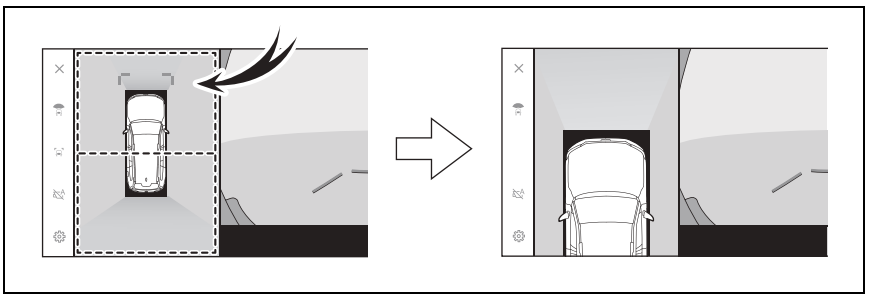
The display position of the Toyota parking assist-sensor (→P.382) may not match the position of the obstacle displayed in the camera image.

Zooming in on the screen (panoramic view)

Zooming in on the screen can be done if the image on the screen is too small and hard to see.

Touch the area that you want to zoom in on the panoramic view.

Screen display



- The selected area is zoomed in on.
- You can zoom in on either the area in front of the vehicle or the area

behind it in panoramic view.

- To cancel the zoom, touch the screen again.

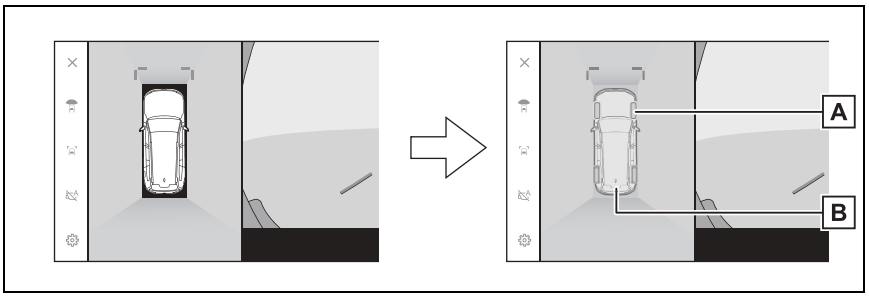
■ Zooming in on the screen

- The zoom feature is enabled when all of the following conditions are met:
  - The vehicle speed is below 12 km/h (7 mph).
  - The Toyota parking assist-sensor (→P.382) is turned on
- In any of the following situations, the zoom feature will be canceled automatically:
  - The vehicle speed is above 12 km/h (7 mph).
  - The Toyota parking assist-sensor is turned off
- The guide lines will not be displayed when the panoramic view is zoomed.

Displaying transparent underfloor vision (panoramic view)

A composite of camera vision captured in the past from the current vehicle position to assist understanding of the situation under the vehicle, tire positions, and so on can be displayed. The vision is displayed in panoramic view, side clearance view, or cornering view.

Screen display



A Tire tracks

Displays the tire position guides linked to the steering wheel.

B Vehicle guide lines

Displays the exterior of the vehicle.

■ Transparent underfloor vision

- Transparent underfloor vision is displayed when the setting on the customized setting screen is turned on and the vehicle is moving forward or backward.
- Transparent underfloor vision is not displayed in the following cases:
  - The vehicle speed is above 20 km/h (12 mph).
  - The vehicle stops and a certain amount of time passes.
  - If the vehicle does not move a certain distance after it is started.
  - The side mirrors are folded.

- ABS is operating.
- The system is not functioning correctly.

● The system may not function correctly in the following situations:
- Snow covered roads.
- There are shadows from lights and so forth.
- There is dirt or a foreign object on the camera lens.
- Water (river, sea, etc.).
- Optional equipment has been installed.
- There is an obstacle in front of the camera.
- The tires were replaced.
- The back door is open and the camera is not in the correct position.
- The road surface is slippery or the wheels slip.
- The vehicle is on a hill or other steep roads.

● As vision that was captured in the past is being displayed, the screen and the actual situation may differ in the following cases:
- An obstacle appears or moves after vision is captured.
- Sand or snow crumbles and moves after vision is captured.
- Mud or puddles are in the display range.
- When the vehicle slips.

● Part or all of the transparent underfloor vision may appear black in the following cases:
- The vehicle starts moving with no captured vision.
- The steering wheel is turned more than a certain angle.
- The vehicle stops and a certain amount of time passes.

WARNING

■ Transparent underfloor vision

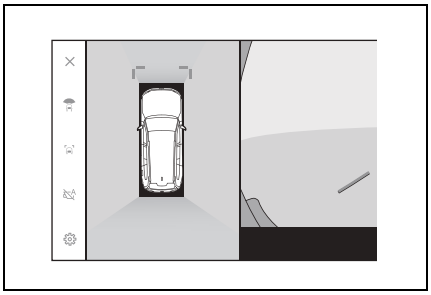
● The tire and vehicle guide lines may not align correctly with the actual vehicle position due to the number of passengers, vehicle load, road gradient, road surface conditions, brightness of the surroundings, optional equipment, tire replacements, and other reasons. Always make sure to check your surroundings while you are driving.

● Displayed vision is vision that was captured in the past. Therefore, if obstacles and other objects move after being captured, the transparent underfloor vision and the actual situation may not always match.

Changing the Multi-terrain Monitor settings

Settings related to Multi-terrain Monitor such as the cornering view auto display and vehicle body color can be changed.

1 Touch the ⚙.



2 Select the desired item.

● Cornering view

Automatically display the cornering view.

● View Under Vehicle

Turn the transparent underfloor vision display setting on or off. Setting it to on and moving the vehicle forward or backwards displays a composite of camera vision captured in the past from the current vehicle position to assist understanding of the situation under the vehicle, front tire positions, and so on. The vision is displayed in panoramic view, side clearance view, or cornering view.

- Toyota Park Assist 3D Display

Show or hide the Toyota parking assist-sensor 3D display.

- Toyota Park Assist Distance

Change the distance that the Toyota parking assist-sensor starts detecting obstacles.

- Vehicle Body Color

Change the vehicle body color displayed on the screen.

Suspension of the settings display

For safety purposes, you cannot display the custom settings screen while the vehicle is moving.

When using the Multi-terrain Monitor

Observe the following precautions. Failure to do so may result in an unexpected accident. Also, when driving, make sure to directly confirm the safety of your surroundings and the area to the rear of the vehicle.

WARNING

Conditions under which the Multi-terrain Monitor should not be used

Do not use the Multi-terrain Monitor in the following situations. The system may not operate properly, resulting in an unexpected accident.

- On icy or slick road surfaces, or in snow
- When using tire chains or emergency tires
- When the front door(s) or back door are not closed completely
- On roads that are not flat, such as hills
- If the tires of a size other than specified by Toyota are installed
- If the suspension has been modified
- If a non-Toyota product is installed on the area displayed on the screen

Guide lines

The tire position indicator lines and vehicle position indicator lines may differ from actual vehicle positions depending on the number of passengers, cargo weight, road grade, road surface conditions, brightness of the surrounding environment, etc. Always drive the vehicle while confirming the safety of your surroundings.

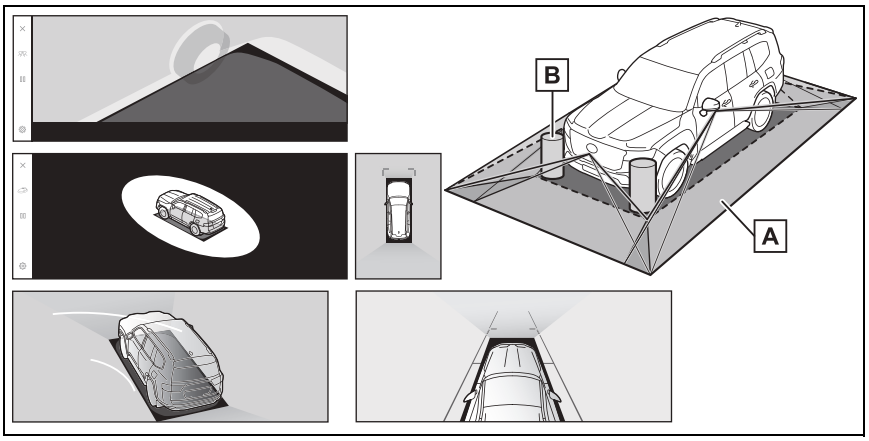
NOTICE

■ **Panoramic view**

- See-through view, moving view, panoramic view, side clearance view, and cornering view produce an image that is a composite of images captured by the front camera, rear camera, and side cameras. As there is a limit to the displayable range and content, make sure you fully understand the features of the Multi-terrain Monitor before you use it.
- The four corners of the see-through view, moving view, panoramic view, side clearance view, and cornering view have a video composition processing region centered on borders of the cameras, and image clarity may decline. However this is not a fault.
- Depending on lighting conditions near each camera, bright and dark patches may appear on the see-through view, moving view, panoramic view, side clearance view, and cornering view.
- See-through view, moving view, panoramic view, side clearance view, and cornering view does not extend higher than the installation position and image capture range of each camera.
- There are blind spots around the vehicle and as such there are regions not displayed on the Multi-terrain Monitor.
- Three-dimensional objects displayed in wide front view, rear view, wide rear view or side view may not be displayed in see-through view, moving view, panoramic view, side clearance view, and cornering view.
- People and other three-dimensional obstacles may appear differently when displayed on the Multi-terrain Monitor. (These differences include cases in which displayed objects appear to have fallen over, disappear near image processing regions, appear from video composition processing areas, or when the actual distance to an object differs from the displayed position.)
- When the back door, which is equipped with the rear camera, or front doors, which are equipped with side mirrors that have the built-in side cameras, are open, images will not be displayed properly on the Multi-terrain Monitor.
- The vehicle icon displayed in see-through view, moving view, panoramic view, side clearance view, and cornering view is a computer generated image, so the color, shape and size will differ from the actual vehicle. Therefore, nearby three-dimensional objects may appear to be touching the vehicle, and actual distances to three-dimensional objects may differ from those displayed.

Area displayed on the screen

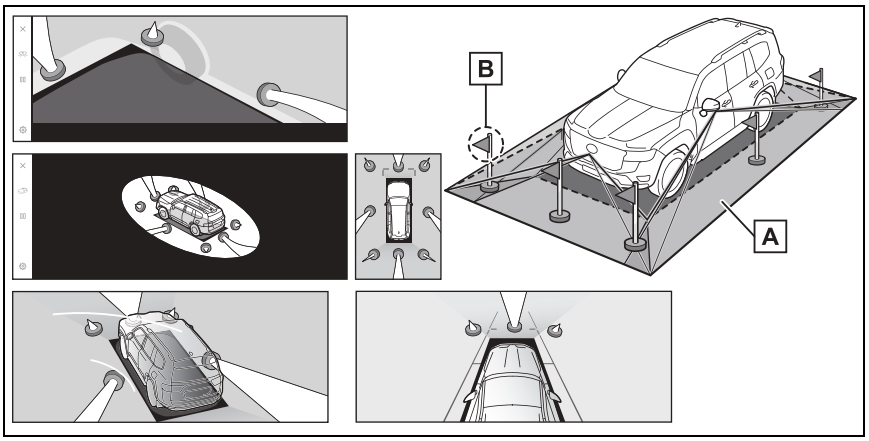
There are blind spots around the vehicle and as such there are regions not displayed on the screen. Even if nothing around the vehicle is displayed on the screen, there may actually be obstacles on the road, which you may collide with. Always make sure to visually check your surroundings.



A Area displayed on the screen

B Objects not displayed on the screen

Objects in the black areas do not appear on the screen.



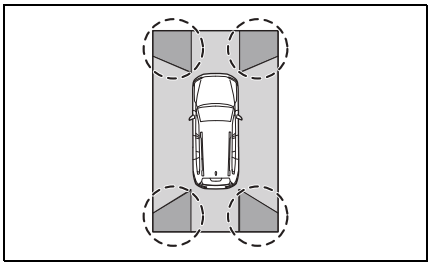
A Area displayed on the screen

B Parts of objects not displayed on the screen

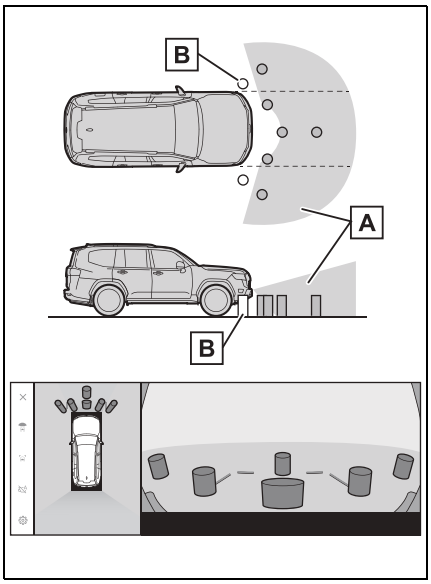
Parts higher than the road do not appear on the screen.

■ **Area displayed on screen**

- The black parts around the vehicle icon are not displayed by the camera. Visually check those areas.
- As the images are obtained from four cameras are processed and displayed on the standard of a flat road surface, see-through view, moving view, panoramic view (including zoomed display), side clearance view, and cornering view may be displayed as follows:
  - Objects may look collapsed; thinner or bigger than usual.
  - An object with a higher position than the road surface may look further away than it actually is or may not appear at all.
  - Tall objects may appear protruding from the non-displayed areas of the image.
- Variations in the brightness of the image may appear for every camera due to lighting conditions.
- The displayed image may be misaligned due to inclination of the vehicle body or change in vehicle height caused by the number of passengers, vehicle load, and quantity of fuel.
- If the doors are not completely closed, the image and the guide lines may not be displayed correctly.
- The positional relationship of the road surface and objects with the vehicle icon displayed on see-through view, moving view, panoramic view (including zoomed display), side clearance view, and cornering view may differ to the actual positions.
- Light from a back-lit license plate may appear on the screen.
- Images indicated by ◌ in the figure are a composite, and hence some areas may be difficult to see.



■ **Wide front view**



A Area displayed on the screen

B Objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.

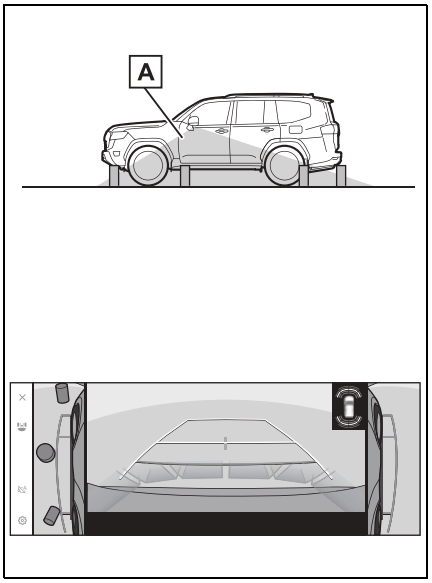
■ **Display range**

- The area covered by the camera is limited. Objects that are close to either corner of the bumper or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the

actual distance.

- The wide front view camera uses a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.

▶ Side view & Rear view (when the side mirrors are folded)

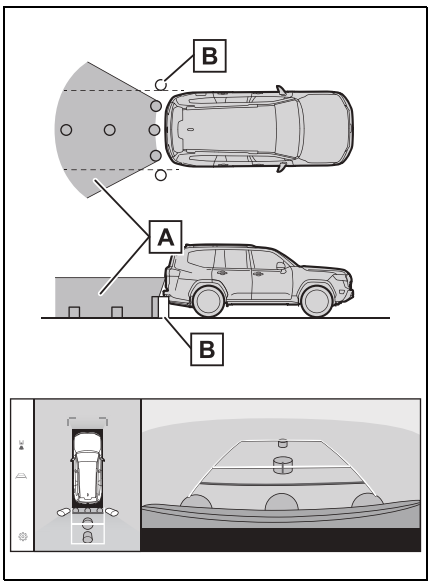


A Area displayed on the screen

■ Display range

- The range that is displayed on the screen may differ due to the state of the vehicle and road surface.
- The area covered by the camera is limited. Objects that are close to the bumper on the passenger's side or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The cameras on side view & rear view use a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.

▶ Rear view

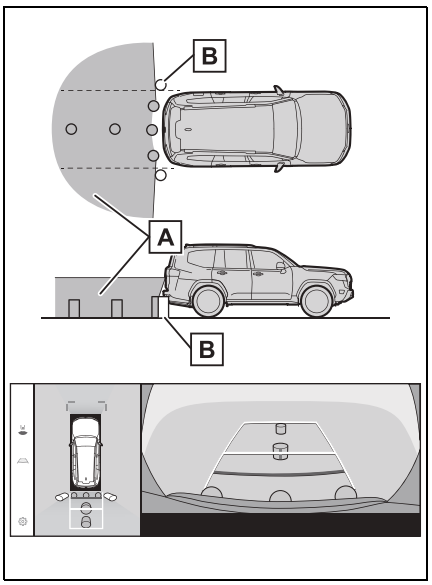


A The area displayed on the screen

B The objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.

▶ Wide rear view



A The area displayed on the screen

B The objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.

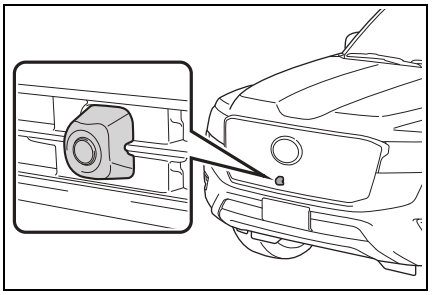
■ Display range

- The range that is displayed on the screen may differ due to the state of the vehicle and road surface.
- The area covered by the camera is limited. Objects that are close to either corner of the bumper or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The rear view and wide rear view cameras use a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.
- Objects that are higher than the rear camera may not appear in the monitor.
- Light from a back-lit license plate may appear on the screen.

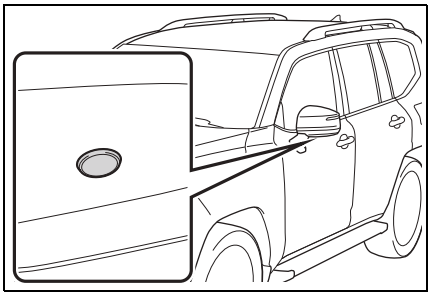
Camera position

The Multi-terrain Monitor cameras are in the locations shown in the figures.

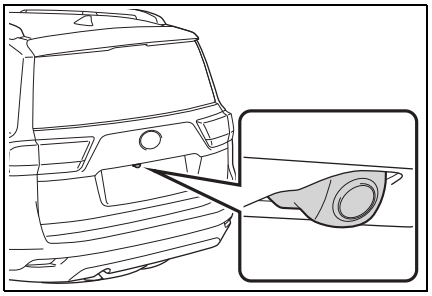
■ Front camera



■ Side cameras



■ Rear camera



Cleaning the camera

If dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera, you will not be able to see the image clearly. If that happens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth.

NOTICE

■ How to use the cameras

- The Multi-terrain Monitor may stop functioning correctly. Take note of the following items:
  - Do not hit or apply a forceful impact on the camera. Doing so may change the position and mounting angle of the camera.
  - The camera is designed to be waterproof. Do not detach, disassemble, or modify it.
  - When washing the camera lens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth. Rubbing the camera lens forcibly may scratch the camera lens and you may no longer be able to see images clearly.
  - The camera cover is made of resin. Do not allow an organic solvent, car wax, window cleaner, or glass coating to adhere to the camera. If this happens, wipe it off immediately.
  - Do not pour hot water on the vehicle in cold weather or apply other rapid changes of temperature.
  - If you wash the vehicle with a high pressure car washer, do not point the hose directly at the camera or camera area. Applying strong water pressure may result in the camera malfunctioning.
- If the camera is hit, it may cause a camera malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

Cleaning the rear camera with washer fluid (vehicles with camera cleaning washer)

Dirt on the rear camera lens can be cleaned by operating the dedicated camera cleaning washer. (→P.301)

- When cleaning the camera, it may be difficult to see the image due to the washer fluid. When backing up, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If washer fluid remains on the camera lens surface after cleaning, the image may be difficult to see at night due to the height or inclination of the headlights of the vehicle behind.
- Some dirts may not be removed completely after cleaning. In this case, rinse the camera lens with a large quantity of water and then wipe it clean with a soft cloth dampened with water.
- Washer fluid is sprayed onto the camera lens surface. Therefore,

the ice, snow, etc. adhering around the camera cannot be removed.

NOTICE

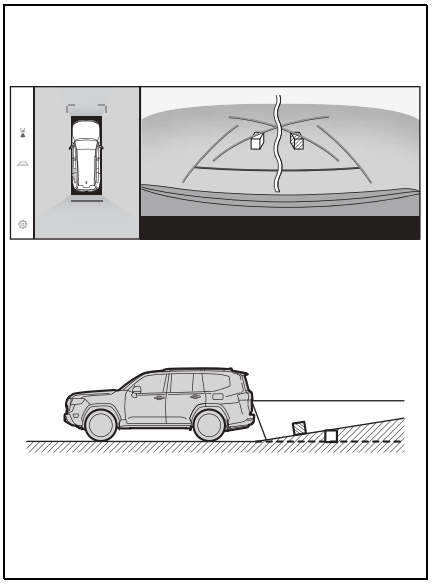
- If there is a sufficient amount of washer fluid but it does not spray out, check that the washer nozzle is not blocked.
- When the washer fluid reservoir is empty, do not operate the switch continually as the washer fluid pump may overheat.
- When a nozzle becomes blocked, contact your Toyota dealer. Do not try to clear it with a pin or other object. The nozzle would be damaged.
- Some foreign matters may not be removed completely after cleaning. In this case, rinse the rear camera lens with a large quantity of water and then wipe it clean with a soft cloth dampened with water. Do not strongly rub the rear camera lens, as it may be scratched and will not be able to transmit a clear image.
- Washer fluid is sprayed onto the rear camera lens surface. Therefore, the ice, snow, etc. adhering around the rear camera such as the garnish cannot be removed.
- Use fluids that are appropriate to the outside temperatures, in order to prevent the washer fluid from freezing.
- When washing the vehicle, do not let water from the high-pressure washer directly hit the nozzle. Due to the shock from the high pressure water, it is possible that the device may not operate normally. Also, the water may enter the nozzle injection opening and freeze. It causes the washer fluid not to spray properly.
- Do not subject the nozzle to sudden change of temperature such as by pouring hot water into the nozzle under the cold weather.
- The washer fluid will need to be replaced more often when the rear camera cleaner system is frequently used. Because the washer reservoir is shared with the windshield washer.
- Do not strike or hit the nozzle or subject it to a strong impact, as the nozzle installation position and angle may be changed.
- When the vehicle got strong vibration, it may be difficult to see the image due to the washer fluid drop from the nozzle.
- When activate rear camera washer, it also activate rear windows shield washer simultaneously.
- When cleaning the rear camera, it may be difficult to see the image due to the washer fluid. In this case, directly check the surroundings of the vehicle.
- If washer fluid remains on the rear camera lens surface after cleaning. Then the image may be difficult to see at night due to the height or inclination of the headlights of the vehicle behind.

Difference between the screen and the actual road

The composite images on the Multi-terrain Monitor and guide lines give a distance guide for flat road surfaces. Therefore, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.

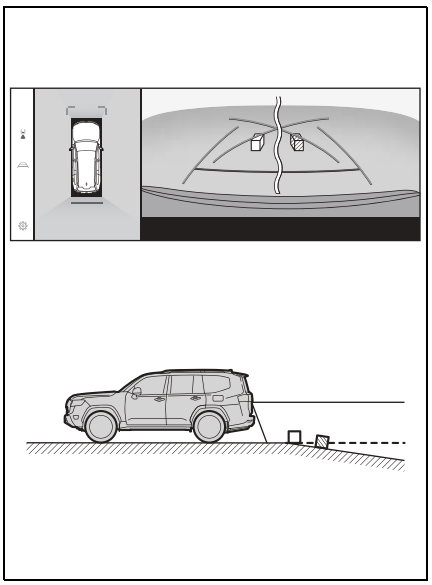
When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Thus, objects on up-slopes will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance and course on the road.



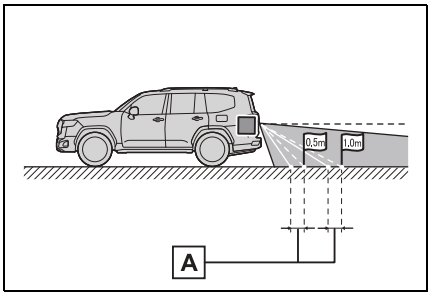
When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guide lines and the actual distance/course on the road.



When any part of the vehicle sags

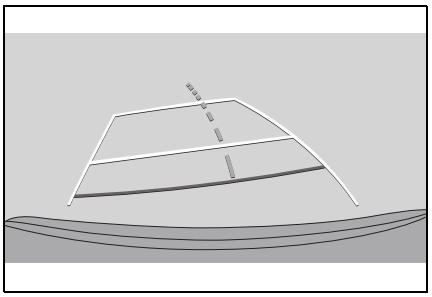
When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.



A Margin of error

Estimated course center line

As the guide lines are shown midair near the rear bumper, there are times that they may look like they are off-center.



Differences between the screen and actual 3D objects

Since the guide lines displayed on the screen are for a flat road surface, it is not possible to determine the position of three-dimensional objects. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), take note of the following cautions.

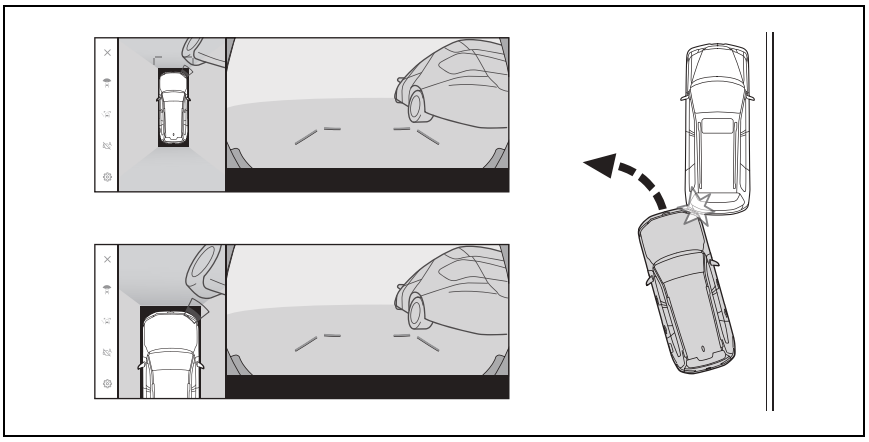
WARNING

■ Toyota parking assist-sensor pop-up display

When the Toyota parking assist-sensor display is red, make sure to visually check before moving the vehicle any further. There is the danger that you may collide with another vehicle or have some other unforeseen accident.

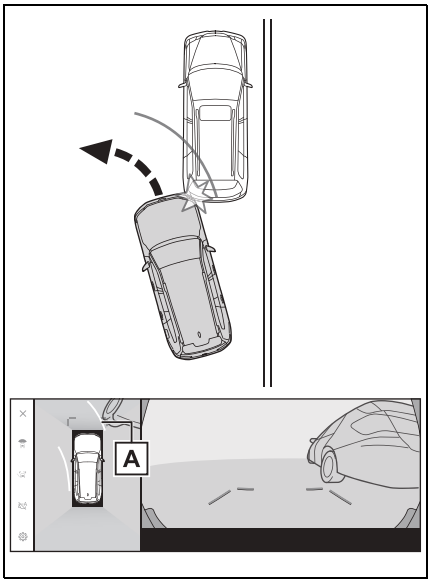
Displaying panoramic view (including zoom display)

On the screen, it appears that there is a gap between the vehicle's bumper and another object or vehicle, and it does not look as if the vehicle will collide with the object or vehicle. However, the vehicle is over the course lines, so the vehicle may collide with the object or vehicle. Make sure to visually check your surroundings.



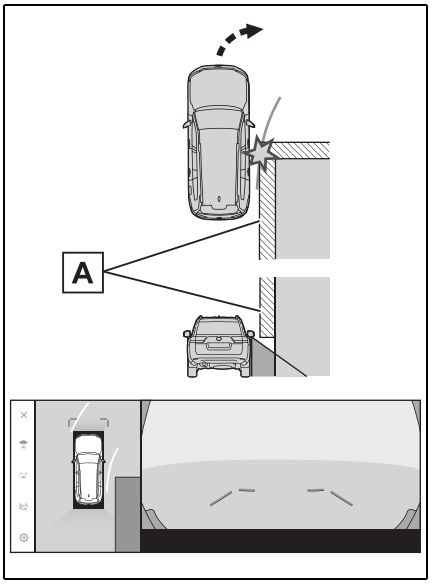
Estimated course lines

- On the screen, it appears that the vehicle's bumper is outside of the estimated course lines, and it does not look as if the vehicle will collide with the object or vehicle. However, the vehicle is over the course lines, so the vehicle may collide with the object or vehicle. Make sure to visually check your surroundings.



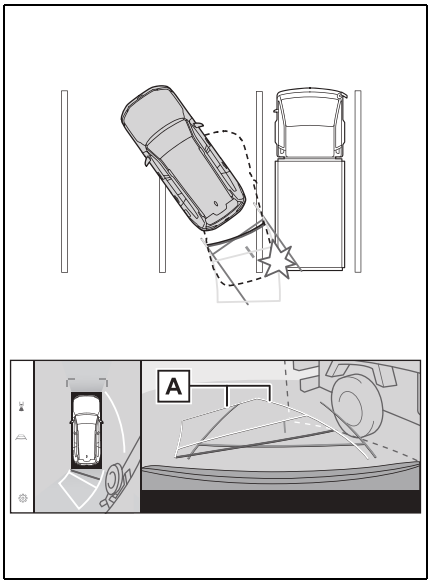
A Estimated course lines

- Three-dimensional objects in high positions (such as the overhang of a wall or loading platform of a truck) may not appear on the screen. Make sure to visually check your surroundings.



A Overhang of a wall

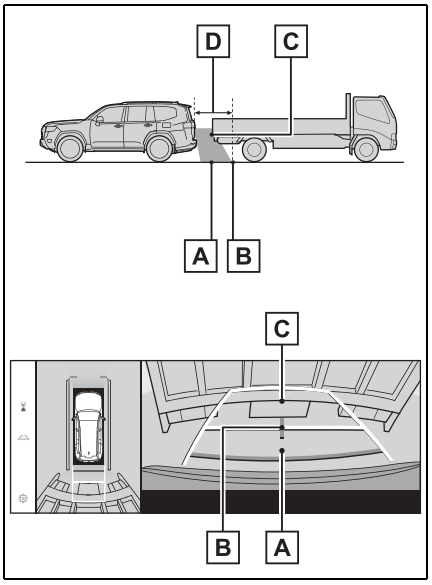
- On the screen, a truck flatbed may appear to be outside of the estimated course lines and the vehicle does not look as if it will collide with the truck. However, the flatbed may actually cross over the estimated course lines and if you reverse as guided by the estimated course lines, the vehicle may hit the truck. Make sure to visually check your surroundings.



A Estimated course lines

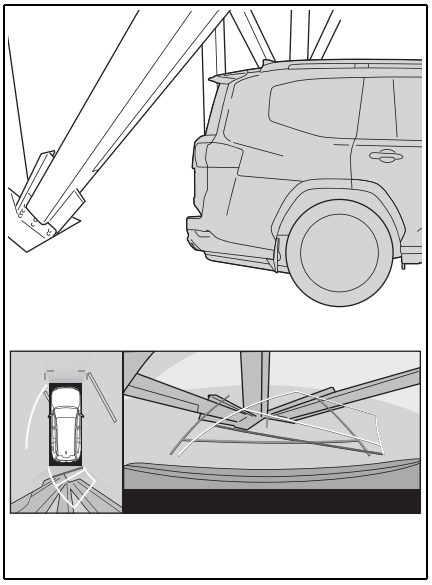
Distance guide lines

On the screen, the distance guide lines shows that a truck is parking at point B . However, in reality if you reverse to point A , you will collide with the truck. On the screen, it appears that point A is closest followed by points B and C . However, in reality, the distance to points A and C is the same, and point B is farther than A and C . Make sure to visually check behind you and your surroundings. The distance to point D is about 1 m (3 ft.).



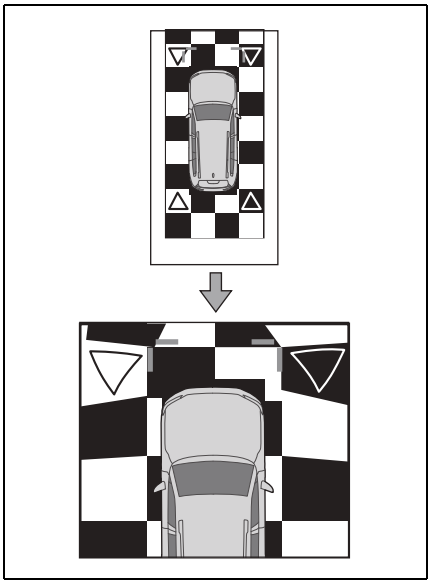
Overhang of a diagonal beam

In panoramic view, a diagonal beam may appear straight and seems likely not to be struck, however, since the top part of the beam is actually overhanging, the vehicle may hit it. Make sure to visually check the rear and surroundings.



Magnifying function

Unlike the normal panoramic view, the panoramic view magnifying function zooms in on the vehicle icon. Therefore, white lines on the road, walls, and other objects may look bent.



Under vehicle terrain view

The tire position indicator lines and vehicle position indicator lines may differ from actual vehicle positions depending on the number of passengers, weight of the load, road grade, road surface conditions, brightness of the surrounding environment, etc. Always drive the vehicle while directly confirming the safety of your surroundings

■ Using under vehicle terrain view

● The images displayed were previously taken behind the current vehicle position.
Therefore, actual conditions may differ from those shown on the screen in the following situations.

- When conditions changed such as when an object moved or entered the frame after the image was taken.
- Loose material like sand or snow has crumbled or shifted

- An obstacle has moved
- There is a puddle, tract of mud, etc., within the display range
- The vehicle slips

● In the following situations, actual tire positions and vehicle position may differ from those indicated by the tire position indicator lines and vehicle position indicator lines.

- Tires have been replaced
- Optional equipment has been installed

WARNING

■ Guide lines

The displayed guide lines are composed with the image that was previously taken and may differ from the actual state. Always drive the vehicle while confirming the safety of your surroundings.

Things you should know

If you notice any symptoms

If you notice or are troubled by any of the symptoms below, check the issue again referring to the likely cause and solution.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The screen is difficult to see	• The vehicle is in a dark area or it is night. • The temperature around the lens is either high or low • The outside temperature is low • There are water droplets on the camera • It is raining or humid • Foreign matter (mud, etc.) is stuck to the camera • Sunlight or headlights are shining directly into the camera • The vehicle is under fluorescent lights, sodium lights, mercury lights, etc.	Visually check the vehicle's surroundings while you are driving. Use the Multi-terrain Monitor again once the camera and conditions have improved. The procedure for adjusting the picture quality of the Multi-terrain Monitor system is the same as the procedure for adjusting the screen display. Refer to the "Multimedia Owner's Manual".
The image is blurry	Dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera lens.	Splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth. Rear camera (vehicles with camera cleaning washer): Operate the dedicated camera cleaning washer and clean the camera lens. (→P.301)
The screen is misaligned	The camera has received a strong impact.	Have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The guide lines are significantly misaligned	The camera position is misaligned.	Have the vehicle inspected by your Toyota dealer.
	• The vehicle is tilted. (There is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.) • The vehicle is on an incline.	Visually check the vehicle's surroundings while you are driving.
The estimated course lines move even though the steering wheel is straight (the vehicle width guide lines and estimated course lines are out of alignment).	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Toyota dealer.
The guide lines are not displayed	The back door is open.	Close the back door. If this does not resolve the symptom, have the vehicle inspected by your Toyota dealer.
The panoramic view display cannot be enlarged. The see-through view/moving view, side clearance view, and cornering view cannot be displayed.	The Toyota parking assist-sensor may be malfunctioning or dirty.	Follow the correction procedures for malfunctions of the Toyota parking assist-sensor. (→P.382)

Symptom	Likely cause	Solution
Washer fluid dose not spray out. (Vehicles with camera cleaning washer)	When the washer fluid reservoir is empty.	Replenish washer fluid.
	When a nozzle becomes blocked.	Have the vehicle inspected by your Toyota dealer.
	When washer fluid is frozen.	Use washer fluids that are appropriate to the outside temperatures.
	The back door is open.	Close the back door.
	Washer fluid is not filled into the washer path hose due to no operation for an extended period of time.	Operate the rear camera washer several times.
Rear camera image is difficult to see.	Foreign matters (such as water droplets, mud, snow and snow melting agents.) is on the camera lens.	Rinse the camera with a large quantity of water, wipe it clean with a soft cloth dampened with water.
	Foreign matters (such as Ice, snow and mud) is attached to surrounding parts of the camera lens.	Remove foreign matters.

Information about free/open source software

About Free / Open-Source Software Information

This product includes the free / open-source software.
You can obtain the licensing information of the free / open-source software from the following URL.

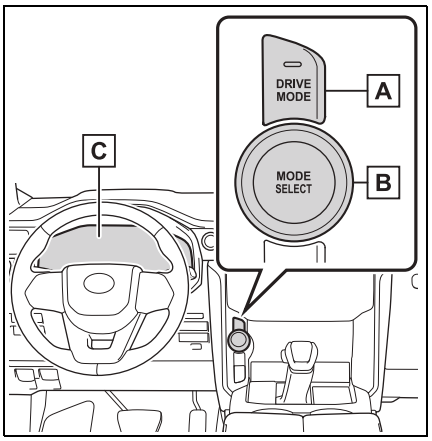
https://www.denso.com/global/en/opensource/svss/toyota/

Driving mode select switch*

*: If equipped

The driving modes can be selected to suit driving condition.

System components



A DRIVE MODE switch

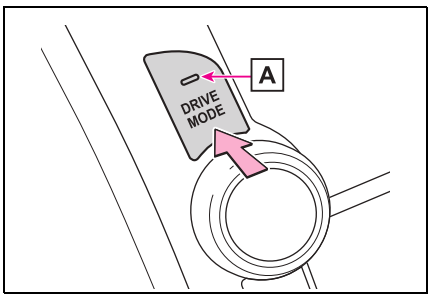
B MODE SELECT switch

C Multi-information display (→P.141, 150)

Selecting the driving mode

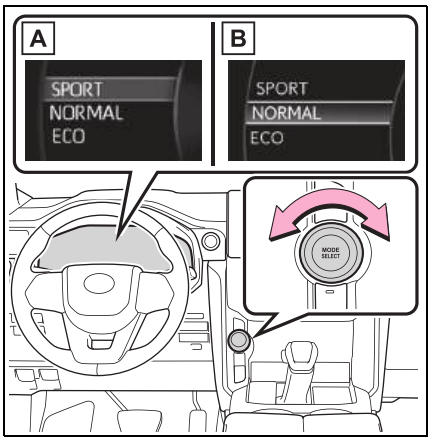
1 Press the DRIVE MODE switch.

The indicator A on the switch will turn on.



2 Select the driving modes on the multi-information display while turning the MODE SELECT switch left and right.

▶ Vehicles without Adaptive Variable Suspension system



A Multi-information display (7-inch display model)

B Multi-information display (12.3-inch display model)

- Normal mode

Provides an optimal balance of fuel economy, quietness, and dynamic performance. Suitable for city driving.

- Eco drive mode

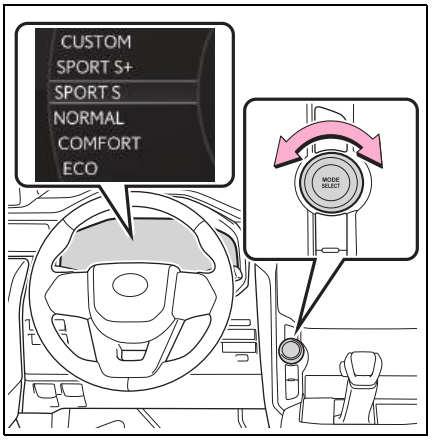
Helps the driver accelerate in an eco-

friendly manner and improve fuel economy through moderate throttle characteristics and by controlling the operation of the air conditioning system (heating/cooling). The “ECO” indicator comes on.

- Sport mode

Assists acceleration response by controlling the transmission, engine and steering. Suitable for when precise handling is desirable, for example when driving on mountain roads. The “SPORT” indicator comes on.

▶ Vehicles with Adaptive Variable Suspension system



- Normal mode

Provides an optimal balance of fuel economy, quietness, and dynamic performance. Suitable for city driving.

- Comfort mode

By controlling the suspension, riding comfort is further enhanced. Suitable for city driving. The “COMFORT” indicator comes on.

- 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). The “ECO” indicator comes on.

- SPORT S mode

Assists acceleration response by controlling the transmission. This mode is suitable for when powerful acceleration is desired. The “SPORT S” indicator comes on.

- SPORT S+ mode

Helps to ensure the controllability and stability of the vehicle by integrally controlling the steering wheel and suspensions as well as the transmission and engine, making it suitable for sporty driving. The “SPORT S+” indicator comes on.

- Custom mode

Allows you to drive with the power train, steering wheel, suspension and air conditioning system functions set to your preferred settings. Custom mode settings can only be changed on the drive mode customization display of multimedia display. The “CUSTOM” indicator comes on.

■ The driving mode select switch can be operated when

The four-wheel drive control switch is in H4.

■ Operation of the air conditioning system in Eco drive mode

Eco drive mode controls the heating/cooling operations and fan speed of the air conditioning system to enhance fuel efficiency. To improve air conditioning performance, perform the following operations:

● Turn off eco air conditioning mode (→P.513)

● Adjust the fan speed (→P.512)

● Turn off Eco drive mode (→P.473)

■ **Automatic deactivation of driving mode**

Driving mode is deactivated and the driving mode will be changed to normal mode in the following conditions:

▶ When Sport mode*, SPORT S mode*, SPORT S+ mode* or custom mode* is selected

● After turning the engine switch off and then turning it to ON.

● When the four-wheel drive control switch is in L4

● When the Multi-terrain Select* is turned on

▶ When Eco drive mode or Comfort mode* is selected

● When the four-wheel drive control switch is in L4

● When the Multi-terrain Select* is turned on

*: If equipped

■ **Customization (vehicles with Adaptive Variable Suspension system)**

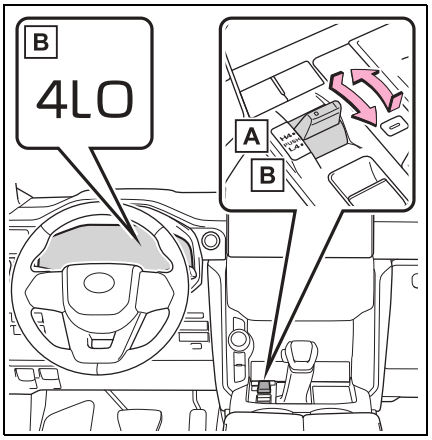
The Custom mode can be changed.

(Customizable features: →P.717)

Four-wheel drive system

Use the four-wheel drive control switch and center differential lock switch to select the following transfer and center differential modes.

Four-wheel drive control switch



A H4 (high speed position)

Normal driving on all types of roads.

B L4 (low speed position)

Driving requiring maximum power and traction such as climbing or descending steep hills, off-road driving, and hard pulling in sand or mud, etc.

The low speed four-wheel drive indicator will come on.

Shifting between H4 and L4

■ **Shifting from H4 to L4**

1 Stop the vehicle completely.

2 Shift the shift lever to N.

3 Push and shift the four-wheel drive control switch to L4.

Maintain this condition until the low speed four-wheel drive indicator turns on.

■ **Shifting from L4 to H4**

1 Stop the vehicle completely.

2 Shift the shift lever to N.

3 Push and shift the four-wheel drive control switch to H4.

Maintain this condition until the low speed four-wheel drive indicator turns off.

Center differential lock switch

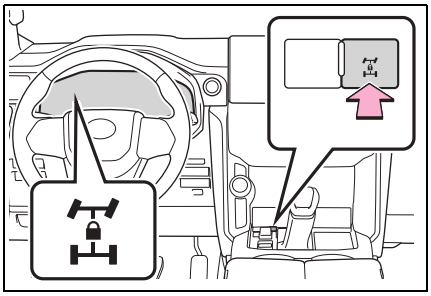
Lock the center differential when your vehicle's wheels get stuck in a ditch or when driving on a slippery or bumpy surface.

Press the switch to turn the system on/off.

The center differential lock indicator will come on.

To unlock the center differential, push the switch again.

Unlock the center differential after the wheels have been freed, or after moving to a flat, non-slippery surface.



■ **The four-wheel drive control switch can be operated when**

- The engine switch is in ON.
- The shift lever is in N.
- The vehicle is stopped completely.

■ **The low speed four-wheel drive indicator light**

The indicator light blinks while shifting between "H4" and "L4".

■ **Advice for driving on slippery roads**

- If you shift the four-wheel drive control switch to L4 and the shift lever to the 2 range of M (automatic transmission with M mode) or 2 range of S (automatic transmission with S mode) while driving in steep off-road areas, the output of the brake can be controlled effectively by the Active TRC, which assists the driver to control the driving power of 4 wheels.
- Use the 1 range of M (automatic transmission with M mode) or 1 range of S (automatic transmission with S mode) of the shift lever for maximum power and traction when your wheels get stuck or when driving down a steep incline.

■ **The center differential lock indicator**

The indicator blinks while locking/unlocking the center differential.

■ **The center differential lock switch can be operated when**

- The engine switch is in ON.

● The vehicle speed is less than 100 km/h (62 mph).

■ **Locking/unlocking the center differential**

● When the four-wheel drive control switch is in L4 with the center differential locked, VSC is automatically turned off. (The center differential lock and VSC OFF indicator lights come on.)

● If the operation is not completed, the center differential lock indicator blinks. If the indicator light does not turn off when unlocking the center differential, drive straight ahead while accelerating or decelerating, or drive in reverse.

● Vehicles with the cruise control system: If the center differential lock/unlock is not completed within 5 seconds while the cruise control system is on, cancel the cruise control system.

■ **If the low speed four-wheel drive indicator light or the center differential lock indicator blinks**

● If the low speed four-wheel drive indicator light continues to blink when using the four-wheel drive control switch, stop the vehicle completely, move the shift lever to N and then operate the switch again.

● If the shift lever is moved before the low speed four-wheel drive indicator turns on/off, the transfer mode may not be shifted completely. The transfer mode disengages both the front and rear driveshafts from the powertrain and allows the vehicle to move regardless of the shift position. (At this time, the indicator blinks and the buzzer sounds.)

Therefore, the vehicle is free to roll even if the shift lever is in “P”. You or someone else could be seriously injured. You must complete the shifting of the transfer mode.

To complete the shifting, stop the vehicle completely, return the shift lever to N, and confirm that the shift was completed (the indicator turns on/off).

● If the engine coolant temperature is too low, the four-wheel drive control system may not be able to shift. When the engine is warmer operate the switch again.

If the low speed four-wheel drive indicator light or the center differential lock indicator continues to blink even after attempting the above, there may be a malfunction in the engine, the brake system or the four-wheel drive system. In this case, you may not be able to shift between H4 and L4, and the center differential lock may not be operable. Have the vehicle inspected by your Toyota dealer immediately.

■ **When you drive through water**

● Even four-wheel drive vehicles are not completely equipped for driving through water. Make sure to observe the following when crossing rivers or streams is unavoidable.
- First check the depth of the water and the terrain of the riverbed before driving through water
- Drive at a very slow speed (5 km/h [3 mph] or less) when entering into rivers or streams
- Cross in a direction perpendicular (at a right angle) or downstream to the river or stream
- Avoid shifting operations while crossing and completely cross the river or stream at once

● Make sure to always inspect and perform the following maintenance after driving in water including when crossing a river or stream.
- Brake effectiveness
- Changes in the engine, transmission, transfer, and differential oil level and quality (A cloudy appearance indicates water intrusion, which makes an oil change necessary)
- Poor lubrication of the propeller shaft,

bearings or joints

WARNING

■ While driving

Never move the four-wheel drive control switch if the wheels have lost traction. Doing so may cause an accident resulting in death or serious injury.

■ When the vehicle is parked

If the shift lever is moved before the low speed four-wheel drive indicator turns on/off, the transfer mode may not be shifted completely. The transfer mode disengages both the front and rear driveshafts from the powertrain and allows the vehicle to move regardless of the shift position. (At this time, the indicator blinks and the buzzer sounds.)

Therefore, the vehicle is free to roll even if the shift lever is in “P”. You or someone else could be seriously injured. You must complete the shifting of the transfer mode.

NOTICE

■ To prevent damage to the center differential

- For normal driving on dry and hard surface roads, unlock the center differential.
- Unlock the center differential after the wheels are out of the ditch or off the slippery or bumpy surface.
- Do not push the center differential lock switch when the vehicle is turning or when its wheels are spinning freely off the ground.

Front differential lock system*

*: If equipped

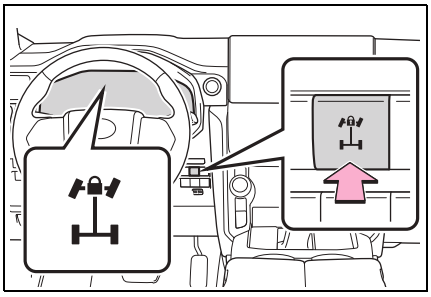
Use the front differential lock system only when wheel spinning occurs in a ditch or on a slippery or ragged surface. This system is effective in case one of the front wheels is spinning.

Front differential lock switch

Press the switch to turn the system on/off.

At this time, the front differential lock indicator and indicator in the differential lock/unlock display will blink. Wait a few seconds for the system to complete operation. After the front differential is locked, the indicators will stop blinking and remain on.

To unlock the front differential, push the switch again.



■ Operating tips

First turn the four-wheel drive control switch to “L4” with the center differential locked to see if you can move forward. If this does not work, use the front differential lock system also.

- Be sure to stop the wheels before locking the differential.
- Unlock the differential as soon as the vehicle moves out.

Unlocking the front differential

If the front differential lock indicator still flashes even after unlocking the front differential, check the safety of the surrounding area and slightly turn the steering wheel in either direction while the vehicle is in motion.

Automatic unlocking feature

The front differential will also unlock if you turn the four-wheel drive control switch to “H4” or unlock the center differential.

After unlocking the front differential

Check that the indicators go off.

The front differential lock indicator and indicator in the differential lock/unlock display

- The indicators blink while locking/unlocking the front differential.
- If the indicators continue to blink when you operate the front differential lock switch, check the safety of the surrounding area and turn the steering wheel in either direction while the vehicle is in motion.

If the indicators continue to blink even if doing so, have the vehicle inspected by your Toyota dealer as soon as possible. There may be a trouble in the four-wheel drive system.

Locking the front differential

The following systems do not operate when the front differential is locked.

- Multi Terrain ABS
- Brake assist system
- VSC
- Downhill assist control system (if equipped)
- Turn Assist function (if equipped)
- Active TRC*

*: When the front and rear differentials are locked

WARNING

When using the front differential lock system

Failure to observe the following precautions may result in an accident.

- Do not lock the front differential in the conditions other than above.
- Do not lock the front differential until the wheels have stopped spinning.
- Do not drive over 8 km/h (5 mph) when the differential is locked.
- After unlocking the front differential, turn the switch off immediately and do not keep driving with the switch on.

Rear differential lock system*

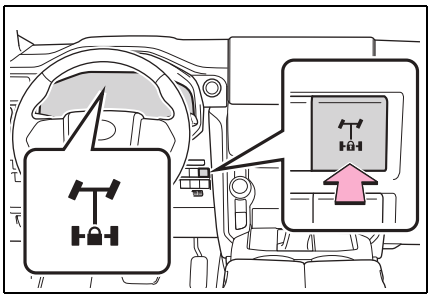
*: If equipped

Use the rear differential lock system only when wheel spinning occurs in a ditch or on a slippery or ragged surface. This system is effective in case one of the rear wheels is spinning.

Rear differential lock switch

Press the switch to turn the system on/off.

At this time, the rear differential lock indicator and indicator in the differential lock/unlock display will blink. Wait a few seconds for the system to complete operation. After the rear differential is locked, the indicators will stop blinking and remain on.
To unlock the rear differential, push the switch again.



■ Operating tips

First turn the four-wheel drive control switch to “L4” with the center differential locked to see if you can move forward. If this does not work, use the rear differential lock system also.

- Be sure to stop the wheels before locking the differential.
- Unlock the differential as soon as the vehicle moves out.

■ Unlocking the rear differential

If the rear differential lock indicator still flashes even after unlocking the rear differential, check the safety of the surrounding area and slightly turn the steering wheel in either direction while the vehicle is in motion.

■ Automatic unlocking feature

The rear differential will also unlock if you turn the four-wheel drive control switch to “H4” or unlock the center differential.

■ After unlocking the rear differential

Check that the indicators go off.

■ The rear differential lock indicator and indicator in the differential lock/unlock display

- The indicators blink while locking/unlocking the rear differential.
- If the indicators continue to blink when you operate the rear differential lock switch, check the safety of the surrounding area and turn the steering wheel in either direction while the vehicle is in motion.

If the indicators continue to blink even if doing so, have the vehicle inspected by your Toyota dealer as soon as possible. There may be a trouble in the four-wheel drive system.

■ Locking the rear differential

The following systems do not operate when the rear differential is locked.

- Multi Terrain ABS
- Brake assist system
- VSC
- Downhill assist control system (if equipped)
- Turn Assist function (if equipped)
- Active TRC*

*: When the front and rear differentials are locked (if equipped)

WARNING

■When using the rear differential lock system

Failure to observe the following precautions may result in an accident.

- Do not lock the rear differential in the conditions other than above.
- Do not lock the rear differential until the wheels have stopped spinning.
- Do not drive over 8 km/h (5 mph) when the differential is locked.
- After unlocking the front differential, turn the switch off immediately and do not keep driving with the switch on.

Crawl Control (with Turn Assist function)*

*: If equipped

Allows travel on extremely rough off-road surfaces at a fixed low speed without pressing the accelerator or brake pedal. Minimizes loss of traction or vehicle slip when driving on slippery road surfaces, allowing for stable driving.

WARNING

■When using Crawl Control (with Turn Assist function)

Do not rely solely on the Crawl Control (with Turn Assist function). This function does not extend the vehicle's performance limitations. Always thoroughly check the road conditions, and drive safely.

■These conditions may cause the system not to operate properly

When driving on the following surfaces, the system may not be able to maintain a fixed low speed, which may result in an accident:

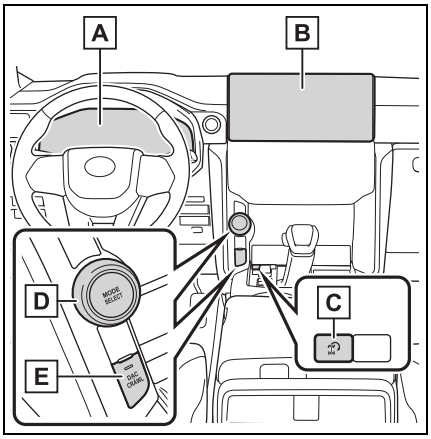
- Extremely steep inclines.
- Extremely uneven surfaces.
- Snow-covered roads, or other slippery surfaces.

NOTICE

■When using Turn Assist function

The Turn Assist function is a function to assist turning performance when driving off road. The function may be less effective on paved road surfaces.

System components



A Meter (→P.127)

B Multimedia display (→P.554)

C Turn Assist switch

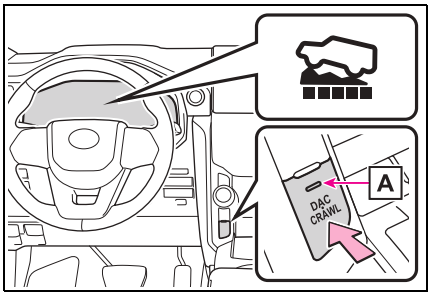
D MODE SELECT switch

E DAC/CRAWL switch

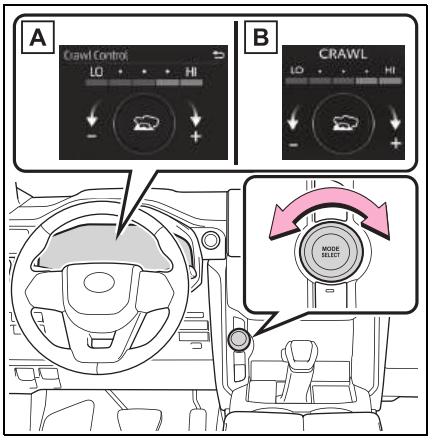
Turning Crawl Control on

1 Press the DAC/CRAWL switch.

The indicator light A and the Crawl Control indicator on the multi-information display will come on, and the slip indicator will flash.



2 Turn the MODE SELECT switch left or right to select a mode on the multi-information display.

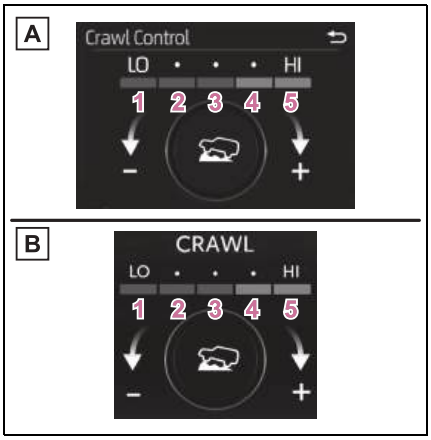


A Multi-information display (7-inch display model)

B Multi-information display (12.3-inch display model)

Selectable modes

A mode which matches the road conditions can be selected from among the following 5 modes.



A Multi-information display (7-inch display model)

B Multi-information display (12.3-inch display model)

1 Lo

Suitable for driving on rocky roads or decline

2 Lo-Mid

Suitable for driving on rocky roads, decline or bumpy incline

3 Mid

Suitable for driving on bumpy inclines

4 Mid-Hi

Suitable for driving on bumpy inclines, debris roads, snow-covered roads, muddy roads, gravel roads and grass roads

5 Hi

Suitable for driving on bumpy inclines, debris roads, snow-covered roads, muddy roads, gravel roads and grass roads

Turning Crawl Control off

▶ When the DAC/CRAWL switch indicator illuminates

Press the DAC/CRAWL switch again.

▶ When the DAC/CRAWL switch indicator does not illuminate

Press the DAC/CRAWL switch to turn the indicator on. Press the DAC/CRAWL switch again with the indicator turned on.

If Crawl Control is turned off, the Crawl Control indicator, slip indicator and the Turn Assist indicator (when the Turn Assist function is in use) will go off and a message stating that Crawl Control has been turned off will be displayed on the multi-information display for several seconds.

When turning off Crawl Control while driving, drive extremely carefully.

■ Operation conditions of the Crawl Control

- The engine is running.
- The shift lever is in any gear other than P or N.
- The four-wheel drive control switch is in L4.
- The driver's door is closed.

■ Automatic system cancelation of Crawl Control

In the following situations, the buzzer will sound intermittently and Crawl Control will be canceled automatically. In this event, the Crawl Control indicator will flash and then go off, the Turn Assist indicator will go off (if the Turn Assist function is in use), and a message stating that Crawl Control has been turned off will be displayed on the multi-information display for several seconds.

- When the shift lever is moved to P or N.
- When the four-wheel drive control switch is in H4.
- When the driver's door is opened.

■ Function limitations of Crawl Control

- In the following situations, brake control can be used to drive downhill at a constant speed. However, engine control is not available when driving uphill at a constant speed.
  - When switched to second start mode.
  - When the vehicle speed exceeds approximately 10 km/h (6 mph).
- In the following situation, engine control and brake control will stop temporarily. In this event, the Crawl Control

indicator will flash.

- With the rear differential* is locked: When the vehicle speed exceeds approximately 10 km/h (6 mph).
- With the rear differential* is unlocked: When the vehicle speed exceeds approximately 25 km/h (15 mph).

*: If equipped

■ **When the Crawl Control system is operated continuously**

- If Crawl Control is used continuously for a long time, the brake system may overheats. In this case, a buzzer will sound, a message stating a malfunction will be displayed on the multi-information display, and the Crawl Control indicator will flash and then go off. In this event, as Crawl Control will be temporarily inoperable, stop the vehicle immediately in a safe place, and allow the brake system to cool down sufficiently until the message goes off. (In the meantime, normal driving is possible.)
- If Crawl Control is used continuously for a long time, the automatic transmission may overheats. In this case, a buzzer will sound, the system will be temporarily canceled, and a message stating a malfunction may be displayed on the multi-information display. In this event, stop the vehicle in a safe place until the message goes off.

■ **Sounds and vibrations caused by the Crawl Control system**

- A sound may be heard from the engine compartment when the engine is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in Crawl Control system.
- Either of the following conditions may occur when the Crawl Control system is operating. None of these are indicators that a malfunction has occurred.
  - Vibrations may be felt through the vehicle body and steering.
  - A motor sound may be heard after the vehicle comes to a stop.

■ **When there is a malfunction in the system**

Warning lights and/or warning messages will turn on. (→P.641, 646)

Turn Assist function

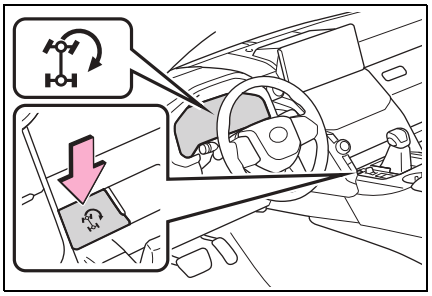
This function assists cornering performance in accordance with steering operation when driving through a tight corner. It maintains vehicle speed while driving and implements control that improves turning performance according to the driver's steering wheel operation, to reduce the number of turns.

Turning the Turn Assist function on

Press the Turn Assist switch while Crawl Control is operating.

Turn Assist indicator will come on.

To turn the system off, press the switch again.



Turning the Turn Assist function off

Press the Turn Assist switch while the Turn Assist function is operat-

ing. When the switch is pressed, the Turn Assist indicator will go off, and a message stating that the Turn Assist function has been turned off will be displayed on the multi-information display for several seconds.

■ **Operation conditions of the Turn Assist function**

- The vehicle speed is approximately 10 km/h (6 mph) or less.
- Crawl Control is operating.
- The front and rear differentials (if equipped) are not locked.
- The brake pedal is not depressed
- The shift lever is in any gear other than P, R or N.
- The steering wheel is turned very far.

■ **Automatic system cancelation of the Turn Assist function**

When the front or rear differentials (if equipped) are locked, a buzzer will sound intermittently and the Turn Assist function will be canceled automatically. In this event, the Turn Assist indicator will go off, and a message stating that the Turn Assist function has been turned off will be displayed on the multi-information display for several seconds.

■ **Function limitations of the Turn Assist function**

In the following situations, the Turn Assist function will stop temporarily. In this event, the Turn Assist indicator will flash.

- When the vehicle speed exceeds approximately 10 km/h (6 mph).
- When the shift lever is moved to R.

■ **When the battery is disconnected**

The Turn Assist indicator will flash and the system needs to be initialized. Drive the vehicle straight ahead for a while at a speed of approximately 35 km/h (22 mph) or more. If the Turn Assist indicator still flashes even after initializing the system, have the vehicle inspected by your Toyota dealer.

Multi-terrain Select*

*: If equipped

Multi-terrain Select is a system that improves drivability in off-road situations.

Select a mode that most closely matches the type of terrain on which you are driving from several modes.
Brake control, drive force control and suspension control can be optimized in accordance with the selected mode.

When AUTO mode is selected, brake control, drive force control and suspension control are optimized automatically according to the road conditions.

WARNING

■ When using the Multi-terrain Select

Observe the following precautions to avoid an accident that could result in death or serious injuries:

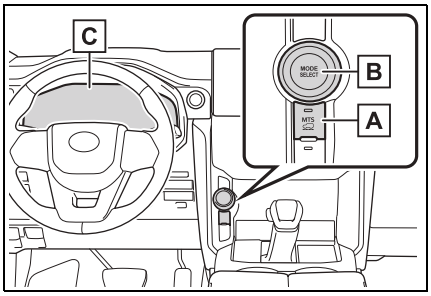
- Check that the selected mode indicators are illuminated before driving. Multi-terrain Select will not operate when the indicators are off.
- The road conditions listed (→P.486) are for reference only. There is a chance that the function may not be the most appropriate in terms of road conditions such as pitch, slipperiness, undulation, etc. Thoroughly check the road conditions before driving.
- Multi-terrain Select is not intended to expand the limits of the vehicle. Check the road conditions thoroughly beforehand, and drive safely and carefully.

NOTICE

■ Precaution for use

The Multi-terrain Select is intended for use during off-road driving. Do not use the system at any other time.

System components



A MTS switch

B MODE SELECT switch

C Multi-information display

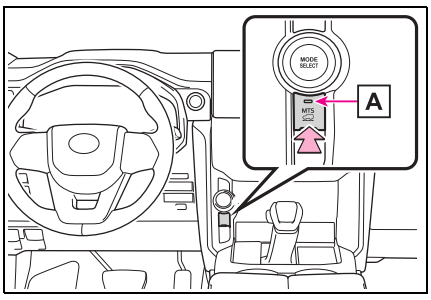
Selected mode is displayed.

Switching modes

1 Press the MTS switch.

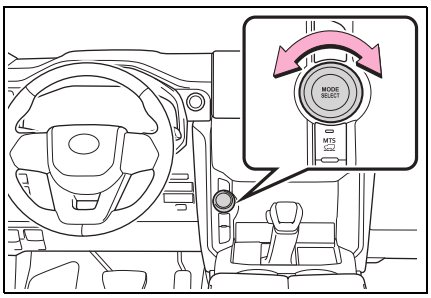
The indicator A on the switch will turn

on.



2 Select the driving modes on the multi-information display while turning the MODE SELECT switch left and right.

Depending on the positions of the four-wheel drive control switch, a mode can be selected from among the following modes.



▶ Four-wheel drive control switch is in L4

Mode		Road Conditions
	AUTO	Suitable for the road conditions
	SAND	Suitable for sandy roads
	MUD	Suitable for muddy roads
	ROCK	Suitable for rocky terrain

If the brake control has activated, the slip indicator light will flash.

▶ Four-wheel drive control switch is in H4

Mode		Road Conditions
	AUTO	Suitable for the road conditions
	DIRT	Suitable for dirt roads
	SAND	Suitable for sandy roads
	MUD	Suitable for muddy roads
	DEEP SNOW	Suitable for deep snow roads

If the brake control has activated, the slip indicator light will flash.
When the vehicle is in SAND, MUD or DEEP SNOW mode, VSC is automatically turned off. (VSC OFF indicator light come on.)

■ Multi-terrain Select

Multi-terrain Select controls the vehicle so that it can maximize the drive force and improve drivability on rough roads. As a result, fuel efficiency may diminish when compared to driving in normal mode.

■ Automatic system cancelation

In the following situations, Multi-terrain Select will be canceled automatically.

- When the DRIVE MODE switch is pressed while the four-wheel drive control switch is in H4.
- When the engine switch is turned off

■ AUTO mode

Estimates the road conditions where the vehicle is being driven and optimizes

brake control, drive force control and suspension control.
The capability to estimate the road conditions is limited and there is a chance that the Multi-terrain Select may not be the most appropriate for road conditions such as pitch, slipperiness, undulation, etc.
In these cases, select the mode that matches the road conditions before driving.

■ Turning off Multi-terrain Select

Performing the following turns Multi-terrain Select off, and then the display on the multi-information display will disappear.

▶ When the MTS switch indicator is illuminated

Press the MTS switch while the system is in operation.

▶ When the MTS switch indicator is not illuminated

Press the MTS switch to turn the indicator on.

Press the MTS switch again with the Multi-terrain Select indicator illuminated.

■ When the vehicle is stuck

Switching the transfer and differential
For the operation of the following functions, refer to the following pages.

- Four-wheel drive system (→P.475)
- Center differential lock (→P.476)
- Front differential lock* (→P.478)
- Rear differential lock* (→P.480)

*: If equipped

■ Driving in Multi-terrain Select

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.

- When the slip indicator light illuminates.
- When the indicator for each mode does not illuminate on the multi-information display even though Multi-terrain Select is selected.

Downhill assist control system*

*: If equipped

The downhill assist control system helps to prevent excessive speed on steep downhill slopes. The system will operate when the vehicle is traveling under 30 km/h (18 mph) and transfer mode is in H4.

WARNING

■When using downhill assist control system

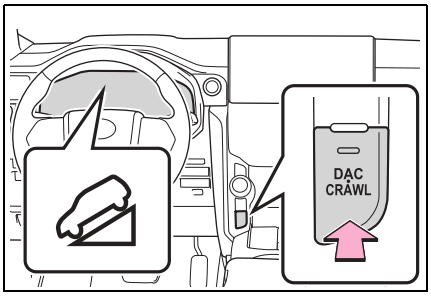
Do not rely overmuch on the downhill assist control system. This function does not extend the vehicle's performance limitations. Always thoroughly check the road conditions, and drive safely.

System operation

Press the DAC/CRAWL switch.

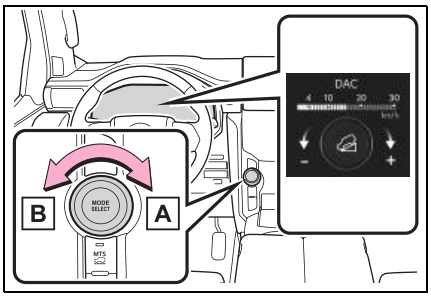
The downhill assist control system indicator will come on and the system will operate.

When the system is in operation, the slip indicator light will flash, and the stop lights/high mounted stop lights will be lit. A sound may also occur during the operation. This does not indicate a malfunction.



Setting the speed of the downhill assist control system

Turn the MODE SELECT switch to set the desired speed (approx. 4 to 30 km/h [2 to 18 mph]). The set speed is displayed on the multi-information display.



A Increases the speed

B Decreases the speed

Turning off the system

▶ When the DAC/CRAWL switch indicator illuminates

Press the DAC/CRAWL switch again.

▶ When the DAC/CRAWL switch indicator does not illuminate

Press the DAC/CRAWL switch to turn the indicator on. Press the DAC/CRAWL switch again with the indicator turned on.

The downhill assist control system indicator will flash as the system gradually ceases operation, and will turn off when the system is fully off.
Press the DAC/CRAWL switch while the downhill assist control system indicator is flashing to start the system again.

■ Operating tips

The system will operate when the shift lever is in a position other than P, however to make effective use of the system it is recommended to select a lower shift range.

■ The system will not operate when

- The rear differential is locked. (if equipped)
- The front differential is locked. (if equipped)

■ If the downhill assist control system indicator flashes

- In the following situations, the indicator flashes and the system will not operate:
  - The four-wheel drive control switch is changed to a position other than H4.
  - The shift lever is in P.
  - The vehicle speed exceeds approximately 30 km/h (18 mph).
  - The brake system overheats.
- In the following situations, the indicator flashes to alert the driver, but the system will operate:
  - The shift lever is in N.
  - The DAC/CRAWL switch is pressed while the DAC/CRAWL switch indicator illuminates.

The system will gradually ceases operation. The indicator will flash during operation, and then go off when the system is fully off.

■ When the downhill assist control system is operated continuously

If the downhill assist control system is operated for a long period of time, the brake system may abnormally overheat. To prevent that, a buzzer will sound and the function is temporarily stopped.

In this case, the downhill assist control system indicator will flash and “Traction Control Turned OFF” will be shown on the multi-information display. (The vehicle can be driven normally during this time)

When the downhill assist control system indicator switches to steadily illuminated after a short while and the “Traction Control Turned OFF” disappears, the system will become available.

■ Sounds and vibrations caused by the downhill assist control system

- A sound may be heard from the engine compartment when the engine is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in downhill assist control system.
- Either of the following conditions may occur when the downhill assist control system is operating. None of these are indicators that a malfunction has occurred.
  - Vibrations may be felt through the vehicle body and steering.
  - A motor sound may be heard after the vehicle comes to a stop.

■ System malfunction

In the following cases, have your vehicle checked by your Toyota dealer.

- The downhill assist control system indicator does not come on when the DAC/CRAWL switch is pressed.
- The slip indicator light comes on.

WARNING

■ **On the following surfaces, the vehicle may be unable to maintain a constant low speed especially when the grip performance limit of the tires is exceeded or if the tires do not make sufficient contact with the ground. This could result in serious injury, or even death.**

- Slippery surfaces such as wet or muddy roads
- Icy surface
- Very bumpy and rough roads

DPF (Diesel Particulate Filter) system*

*: If equipped

When the deposit collected by the filter reaches a predetermined amount, it is automatically regenerated.

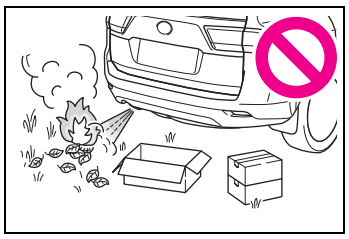
WARNING

■ **During regeneration**

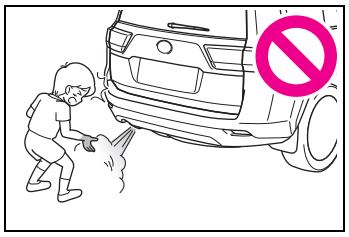
Observe the following precautions.

Failure to do so may result in serious injury such as burns caused by the hot exhaust pipe and exhaust gases, or may cause a fire.

- Do not stop the vehicle where flammable materials, such as dry grass, are near the exhaust pipe.



- Make sure that there are no people near the exhaust pipe.



- Do not carry out regeneration when the vehicle is in an enclosed area, such as a garage.
- Do not touch the exhaust pipe and exhaust gases during regeneration.

NOTICE

■ To prevent the DPF system from failing

- Do not drive for long periods of time while “DPF full Visit your dealer” appears on the multi-information display
- Do not use fuel other than the specified type
- Do not use engine oil other than the recommended type
- Do not modify the exhaust pipe

Regeneration

- During normal driving, the filter is automatically regenerated every several hundred kilometers*. During regeneration, “DPF Regeneration in progress” is displayed on the multi-information display.
- When the amount of accumulated deposit reaches a certain level, regeneration can be performed. (→P.492)

*: Differs in accordance with weather, driving conditions, etc.

System characteristics

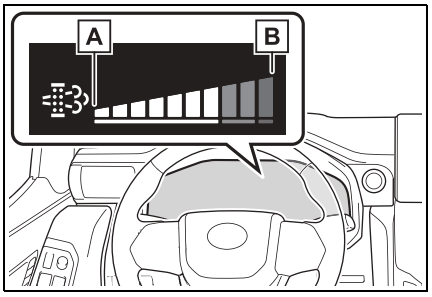
The DPF system has the following characteristics:

- Idle speed increases during regeneration
- The smell of the exhaust gas differs from that of a conventional diesel vehicle
- White smoke may be emitted from the exhaust pipe during regeneration. However, this does not indicate a malfunction.

DPF deposition monitor

The amount of accumulated deposit in the DPF system can be confirmed from the DPF deposition monitor.

The DPF deposition monitor appears when the DPF system switch is pressed or the warning message is displayed. Use the displayed DPF deposition as a reference.



A Low

B Full

DPF system failure warning

- If “DPF full See Owner’s Manual” appears on the multi-information display, follow the procedure below to regenerate.

1 Stop the vehicle in a safe place.

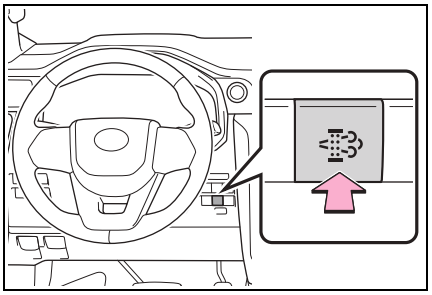
2 Firmly set the parking brake and shift the shift lever to P.

Do not stop the engine. Also, make sure that there are no flammable materials near the exhaust pipe. (→P.491)

Check the engine is warmed up. If the engine is cold, warm up the engine by depressing the accelerator pedal.*1

3 Press the DPF system switch.

The “Manual regeneration in process Keep flammables away from vehicle” appears on the multi-information display, and the idling engine speed will increase.



Regeneration will take around 15 - 40 minutes to complete.*2

When the warning message disappears, the idling engine speed will have finished returning to normal.

The DPF system switch may not operate when the vehicle is higher than 4000 m (13124 ft.) above sea level.

*1: Depending on the situation, it may be necessary to depress the accelerator pedal until the engine speed is increased to 3000 rpm. If the engine coolant temperature or exhaust gas temperature is low, it may take a long time to regenerate, or regeneration may be impossible.

*2: Time required for regeneration differs in accordance with the outside temperature. Also, if the engine speed is still approximately 2000 rpm 10 minutes after pressing the DPF system switch, the exhaust gas temperature may be low. In this case, depress the accelerator pedal to run the engine at approximately 3000 rpm for a while.

- If “DPF FULL MANUAL REGENERATION REQUIRED SEE OWNER’S MANUAL” appears on the multi-information display, press the DPF system switch to regenerate the filter.
- If “DPF full Visit your dealer” appears on the multi-information display and the malfunction indicator lamp comes on, have the vehicle inspected by your Toyota dealer immediately.

■ Regeneration with the DPF system switch

- After pressing the DPF system switch, depressing the accelerator pedal will stop regeneration. If regeneration has been stopped, restart regeneration as soon as possible.
- After regeneration is finished, race the engine several time to clean the exhaust system.
- If regeneration is carried out while the exhaust pipe is hot (for example directly after driving), it will take less time than when the engine is cold.

■ Replacing the engine oil

Make sure to use an oil of the recommended grade or of matching quality. (→P.687)

■ DPF system warning

Under the following driving conditions, the warning message may appears earlier than normal.*

- When only driving at low speeds (for example 20 km/h [12 mph] or below).
- If the engine is turned on and off frequently (if the engine is not left running for more than 10 minutes at a time).

*: Differs in accordance with weather, driving conditions, etc.

NOTICE

■ If the malfunction indicator lamp comes on

The malfunction indicator lamp comes on if you continue driving while the warning message appears on the multi-information display. In this event, damage may be caused to the vehicle or an accident may occur. Have the vehicle inspected by your Toyota dealer immediately.

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

Vehicles with Multi-terrain Select system: The ABS operates in synchronization with the Multi-terrain Select

■ 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.

On some models: Provides cooperative control of the ABS, Active TRC, VSC and steering system. Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

■ **Trailer Sway Control**

Helps the driver to control trailer sway by selectively applying brake pressure for individual wheels and reducing driving torque when trailer sway is detected.

■ **Active TRC (Traction Control)**

Helps to maintain drive power and prevent the drive wheels from spinning when starting the vehicle or accelerating on slippery roads

■ **Hill-start assist control**

Helps to reduce the backward movement of the vehicle when starting on an uphill

■ **Electronic-Kinetic Dynamic Suspension System (if equipped)**

Electronically controls the stabilizer according to the road conditions and driving conditions such as when driving off-road or on a curve, enhancing riding comfort and driving stability.

In addition, the control is optimized for each mode by selecting the drive mode using the driving mode select (→P.473) and multi-terrain select. (→P.486)

Control can be changed to suit off-road driving by setting the four-wheel drive control switch to L4.

■ **VDIM (Vehicle Dynamics Integrated Management) (if equipped)**

Comprehensively controls the ABS, brake assist, Active TRC, VSC, hill-start assist control, and the steering system. Controls the braking, engine output and steering wheel operation when the steering wheel is operated suddenly such as when driving on a slippery road surface, helping to enhance vehicle stability.

■ **AVS (Adaptive Variable Suspension System) (if equipped)**

The damping force of the shock absorbers are independently controlled for the 4 wheels according to factors including the road surface conditions and driving operation, contributing toward enhancing smooth driving comfort and superior stability, and helping to maintain vehicle posture.

In addition, the damping force can be changed by selecting the drive mode with the driving mode select (→P.473), and driving comfort can be ensured during off-road driving by setting the four-wheel drive control switch to L4. (→P.475)

■ **Emergency brake signal**

When the brakes are applied suddenly, the emergency flashers automatically flash to alert the vehi-

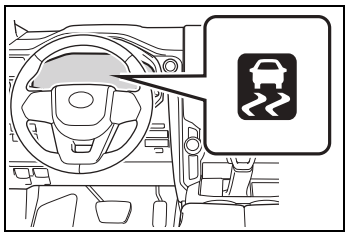
cle behind.

■ 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 Active TRC/VSC/ABS/Trailer Sway Control systems are operating

The slip indicator light will flash while the Active TRC/VSC/ABS/Trailer Sway Control systems are operating.

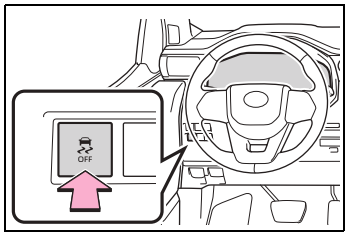


■ Disabling the Active TRC system

If the vehicle gets stuck in mud, dirt or snow, the Active TRC system may reduce power from the engine to the wheels.

Pressing OFF to turn the system off may make it easier for you to rock the vehicle in order to free it.

To turn the Active TRC system off, quickly press and release OFF.



"Traction Control Turned OFF" will be shown on the multi-information display.

Press OFF again to turn the system back on.

■ Turning off the Active TRC/VSC/Trailer Sway Control systems

To turn the Active TRC/VSC/Trailer Sway Control systems off, press and hold OFF 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 OFF again to turn the systems 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.318)

■ When the message is displayed on the multi-information display showing that Active TRC has been disabled even if OFF has not been pressed

Active TRC is temporary deactivated. If the information continues to show, contact your Toyota dealer.

■ **Operating conditions of hill-start assist control**

When all of the following 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.
- The engine switch is in ON

■ **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 brake pedal is depressed and the parking brake is engaged.
- A maximum of 2 seconds have elapsed after the brake pedal is released.
- The engine switch is turned to OFF.

■ **Sounds and vibrations caused by the ABS, brake assist, VSC, Trailer Sway Control, Active TRC and hill-start assist control systems**

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the engine is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in any of these systems.
- Any of the following conditions may occur when the above systems are operating. None of these indicates that a malfunction has occurred.
  - Vibrations may be felt through the vehicle body and steering.
  - A motor sound may be heard also after the vehicle comes to a stop.

■ **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 engine.

■ **Automatic reactivation of Active TRC, Trailer Sway Control and VSC systems**

After turning the Active TRC, Trailer Sway Control and VSC systems off, the systems will be automatically re-enabled in the following situations:

- When the engine switch is turned off.
- If only the Active TRC system is turned off, the Active TRC will turn on when vehicle speed increases.
  If both the Active TRC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases.

■ **Operating conditions of emergency brake signal**

When the following conditions are met, the emergency brake signal will operate:

- The emergency flashers are off.
- Actual vehicle speed is over 55 km/h (35 mph).
- The system judges from the vehicle deceleration that it is a sudden braking operation.

■ **Automatic system cancelation of emergency brake signal**

The emergency brake signal will be canceled in any of the following situations:

- The emergency flashers are turned on.
- The system judges from the vehicle

deceleration that is not a sudden braking operation.

■ **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 when the 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 to approximately 0 km/h (0 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

■ **Active TRC/VSC may not operate effectively when**

Directional control and power may not be achievable while driving on slippery road surfaces, even if the Active TRC/VSC system is operating.
Drive the vehicle carefully in conditions where stability and power may be lost.

■ **Hill-start assist control does not operate effectively when**

- Do not overly rely on hill-start assist control. Hill-start assist control may not operate effectively on steep inclines and roads covered with ice.
- Unlike the parking brake, hill-start assist control is not intended to hold the vehicle stationary for an extended period of time. Do not attempt to use hill-start assist control to hold the vehicle on an incline, as doing so may lead to an accident.

■ **When the Active TRC/ABS/VSC/Trailer Sway Control is activated**

The slip indicator light flashes. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator light flashes.

■ **When the Active TRC/VSC/Trailer Sway Control 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 Active TRC/VSC/Trailer Sway Control systems off unless necessary.

Trailer Sway Control is part of the VSC system and will not operate if VSC is turned off or experiences a malfunction.

WARNING

■ Replacing tires

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.
The ABS, Active TRC, Trailer Sway Control 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.

■ Trailer Sway Control precaution

The Trailer Sway Control system is not able to reduce trailer sway in all situations. Depending on many factors such as the conditions of the vehicle, trailer, road surface and driving environment, the Trailer Sway Control system may not be effective. Refer to your trailer owner's manual for information on how to tow your trailer properly.

■ If trailer sway occurs

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

- Firmly grip the steering wheel. Steer straight ahead. Do not try to control trailer swaying by turning the steering wheel.
- Begin releasing the accelerator pedal immediately but very gradually to reduce speed.
  Do not increase speed. Do not apply vehicle brakes.

If you make no extreme correction with the steering or brakes, your vehicle and trailer should stabilize.
(→P.247)

■ 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.

NOTICE

■ Electronic-Kinetic Dynamic Suspension System precautions (if equipped)

In the following cases, the system may be malfunctioning and driving comfort or drivability on rough roads may be impaired. Have the vehicle inspected by your Toyota dealer immediately.

- When there is a feeling that the incline of the vehicle has become larger than usual when turning at a corner.
- When the incline of the vehicle does not return even after the vehicle has continued to drive after being left on an inclined position such as on a curb or slope for a long time (the vehicle may remain in an inclined condition immediately after it is returned to on a level surface).

Off-road 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 to make it capable of performing in a wide variety of off-road applications.

Off-road vehicle features

- 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

■ Off-road 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 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 crosswinds. 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.
- 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.

NOTICE

■ To prevent the water damage

Take all necessary safety measures to ensure that water damage to the engine or other components does not occur.

- Water entering the engine air intake will cause severe engine damage.
- Water entering the automatic transmission will cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage.
- Water can wash the grease from wheel bearings, causing rusting and premature failure, and may also enter the differentials, transmission and transfer case, reducing the gear oil's lubricating qualities.

■ 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.

NOTICE

■ **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. For scheduled maintenance information, refer to the scheduled Maintenance (→P.567).

Winter driving tips

Carry out the necessary preparations and inspections before driving the vehicle in winter. Always drive the vehicle in a manner appropriate to the prevailing weather conditions.

Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
  - Engine oil
  - Engine coolant
  - Intercooler coolant (if equipped)
  - Washer fluid
- Have a service technician inspect the condition of the battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the rear tires.

Ensure that all tires are the same size and brand, and that chains match the size of the tires.

■ **Fuel for diesel engine at low temperatures**

Use winter diesel fuel during low temperatures. Usage of summer diesel fuel at low temperatures may lead to incorrect operation of the fuel system and engine malfunction. Reduce as much as possible amount of summer diesel fuel in the fuel tank during usage at low temperatures, and refuel with winter

diesel fuel as soon as possible. Check information about type and features of usage of diesel fuel at the gas stations.

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 LTA (Lane Tracing Assist) system (if equipped).
- Do not use LDA (Lane Departure Alert) system (if equipped).

NOTICE

■ Repairing or replacing snow tires (vehicles with tire pressure warning system)

Request repairs or replacement of snow tires from your Toyota dealer 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, outside rear view mirrors, side windows, 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

- Turn automatic mode of the parking brake off. Otherwise, the parking brake may freeze and not be able to be released automatically.
  Also, avoid using the following as the parking brake may operate automatically, even if automatic mode is off.

• Brake hold system

- 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.271, 275)

Turn off the engine switch while pressing the parking brake switch.

- If the vehicle is parked without setting the parking brake, confirm that the shift lever cannot be moved out of P*.
- If the vehicle is left parked with the brakes damp in cold temperatures, there is a possibility of the brakes freezing.

*: 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.

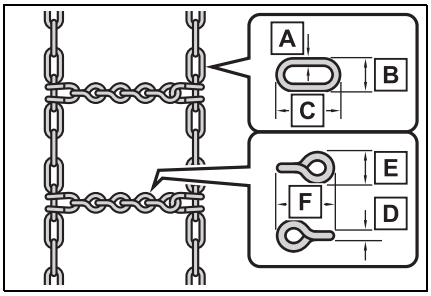
WARNING

■When parking the vehicle

When parking the vehicle without applying the parking brake, make sure to chock the wheels. If you do not chock the wheels, the vehicle may move unexpectedly, possibly resulting in an accident.

Selecting tire chains

Use the correct tire chain size when mounting the snow chains. Chain size is regulated for each tire size.



Side chain:

A 5 mm (0.20 in.) in diameter

B 18 mm (0.71 in.) in width

C 46 mm (1.81 in.) in length

Cross chain:

D 6.3 mm (0.25 in.) in diameter

E 22.6 mm (0.89 in.) in width

F 38.1 mm (1.50 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 rear tires only. Do not install tire chains on the front tires.
- Install tire chains on rear 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 (vehicles with tire pressure warning system)

The tire pressure warning valves and transmitters may not function correctly when tire chains are fitted.

Eco-friendly driving tips

For improved fuel economy and reduced CO_2 emissions, 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.473)

Use of Eco Driving Indicator

The Eco-friendly driving is possible by keeping the Eco Driving Indicator Light on and keeping the bar display of the Eco Driving Indicator shown in the multi-information display within the Zone of Eco driving. (→P.143, 153)

Accelerator pedal/brake pedal operation

Drive your vehicle smoothly. Avoid abrupt acceleration and deceleration. Gradual acceleration and deceleration will help reduce excessive fuel consumption.

When braking

Observe conditions in front of and around the vehicle, and estimate your stopping position. Release the accelerator pedal early and continue coasting. Use the brake pedal to adjust your stopping position. Make sure to operate the brake pedal gently.

Delays

Repeated acceleration and deceleration, as well as long waits at traffic lights, will lead to bad fuel economy. Check traffic reports before leaving and avoid delays as much as possible.

Highway driving

Control and maintain the vehicle at a constant speed. Before stopping at a toll booth or similar, allow plenty of time to release the accelerator pedal and gently apply the brakes.

Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive fuel consumption.

In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.

In winter: Turn the A/C switch on only when both heating and dehumidifying are needed, and if only heating is needed, turn the A/C switch off. Turning the A/C switch on when unnecessary leads to excessive fuel consumption.

Performing idling stops

- Avoid unnecessary idling. Stop the engine when parking the vehicle to reduce excessive fuel consumption, even it is only for a short period of time.
- Except in severe environment, such as when the outside temperature is extremely low, warming up the engine before driving is unnecessary. Rather than idling, it is more efficient to drive the vehicle gently to warm up each part while avoiding increasing the engine revolutions unnecessarily and accelerating or decelerating suddenly.
- Using the Stop & Start system will help improve fuel economy. (if equipped) (→P.358)
- The followings are performed to maintain the functions, not unnecessary idling.

• Cleaning of the exhaust emission control system (if equipped)
• Idling before stopping the engine with turbocharger (if equipped) (→P.240)

Luggage

Carrying heavy luggage will lead to poor fuel economy. Avoid carrying unnecessary luggage. Installing a large roof rack will also cause poor fuel economy.

Regular maintenance

- Make sure to check the tire inflation pressure frequently. Improper tire inflation pressure can cause poor fuel economy. Also, as snow tires can cause large amounts of friction, their use on dry roads can lead to poor fuel economy. Use tires that are appropriate for the season and road conditions.
- Use oil and fluid of the recommended quality, which affect fuel consumption and the life of the vehicle. Also, check oil and fluid periodically. (→P.567)

5-1. Using the air conditioning system and defogger

Front automatic air conditioning system 510

Rear cooler system.....520

Rear automatic air conditioning system 522

Heated steering wheel/seat heaters/seat ventilators ..524

5-2. Using the interior lights

Interior lights list.....528

5-3. Using the storage features

List of storage features 532

Luggage compartment features 537

5-4. Using the other interior features

Other interior features.....541

Front automatic air conditioning system

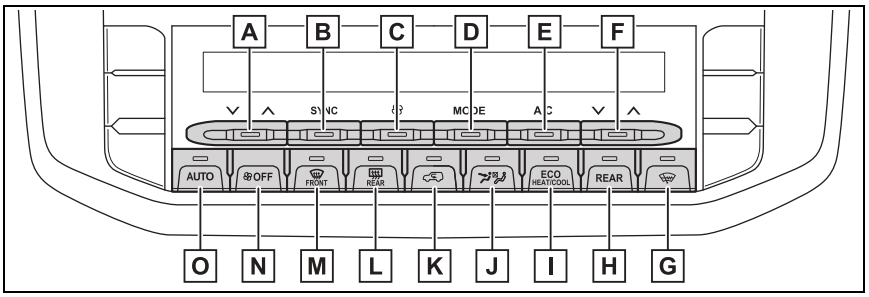
Air outlets and fan speed are automatically adjusted according to the temperature setting.

The illustrations below are for left-hand drive vehicles.

The button positions and shapes will differ for right-hand drive vehicles.

Air conditioning controls

▶ Vehicles without rear air conditioning system



A Left-hand side temperature control switch

B “SYNC” switch

C Fan speed control switch

D Airflow mode control switch

E “A/C” switch

F Right-hand side temperature control switch

G Windshield de-icer switch (if equipped)
Heated Windshield Defroster switch (if equipped)

H “REAR” switch (if equipped) (→P.520)

I Eco air conditioning mode switch

J Front seat concentrated airflow mode (S-FLOW) switch

K Outside/recirculated air mode switch

L Rear window and outside rear view mirror defoggers switch (if

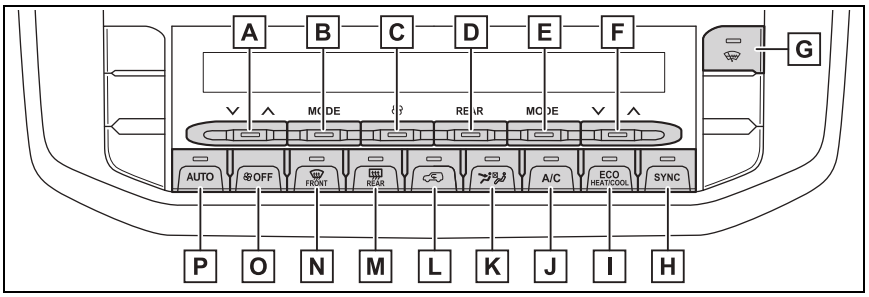
equipped)

M Windshield defogger switch

N “OFF” switch

O Automatic mode switch

▶ Vehicles with rear air conditioning system



A Left-hand side temperature control switch

B Left-hand side airflow mode control switch

C Fan speed control switch

D “REAR” switch

E Right-hand side airflow mode control switch

F Right-hand side temperature control switch

G Windshield de-icer switch (if equipped)
Heated Windshield Defroster switch (if equipped)

H “SYNC” switch

I Eco air conditioning mode switch

J “A/C” switch

K Front seat concentrated airflow mode (S-FLOW) switch

L Outside/recirculated air mode switch

M Rear window and outside rear view mirror defoggers switch (if equipped)

N Windshield defogger switch

O “OFF” switch

P Automatic mode switch

■ **Adjusting the temperature setting**

Operate the temperature control switch upwards to increase the temperature and downwards to decrease the temperature.

If the cooling and dehumidification function is off, the system will blow ambient temperature air or heated air.

■ **Adjusting the fan speed setting**

Operate the fan speed control switch upwards to increase the fan speed and downwards to decrease the fan speed.

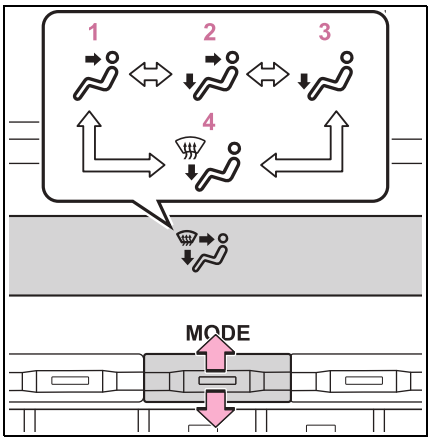
The fan speed is shown on the display. (7 levels)

Press the “OFF” switch to turn the fan off.

■ **Change the airflow mode**

Press the airflow mode control switch.

The airflow mode changes as follows each time the switch is pressed.



1 Air flows to the upper body

2 Air flows to the upper body and feet

3 Air flows to the feet

4 Air flows to the feet and the windshield defogger operates*

*: Driver’s side only

■ **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, “A/C ON” is shown on the display (vehicles without rear air conditioning system) or the indi-

cator illuminates on the “A/C” switch (vehicles with rear air conditioning system).

■ Eco air conditioning mode

The air conditioning is controlled with low fuel consumption prioritized such as reducing fan speed, etc.

Press the eco air conditioning mode switch.

When the eco air conditioning mode is on, the indicator illuminates on the eco air conditioning mode switch.

■ Defogging the windshield

Defoggers are used to defog the windshield and front side windows.

Press the windshield defogger switch.

Set the outside/recirculated air mode switch to outside air mode if the recirculated air mode is used. (It may switch automatically.)

To defog the windshield and the side windows quickly, turn the air flow and temperature up.

To return to the previous mode, press the windshield defogger switch again when the windshield is defogged.

When the windshield defogger switch is on, the indicator illuminates on the windshield defogger switch.

■ Defogging the rear window and outside rear view mirrors (if equipped)

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 and outside rear view mirror defoggers switch.

The defoggers will automatically turn off after 15 minutes.

When the rear window and outside rear view mirror defoggers switch is on, the indicator illuminates on the rear window and outside rear view mirror defoggers switch.

■ Fogging up of the windows

- The windows will easily fog up when the humidity in the vehicle is high. Turning the cooling and dehumidification function on will dehumidify the air from the outlets and defog the windshield effectively.
- If you turn the cooling and dehumidification function off, the windows may fog up more easily.
- The windows may fog up if the recirculated air mode is used.

■ When driving on dusty roads

Close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake mode be set to outside air mode and the fan speed to any setting except off.

■ Outside/recirculated air mode

- Setting to the recirculated air mode temporarily is recommended in preventing dirty air from entering the vehicle interior and helping to cool the vehicle when the outside air temperature is high.
- Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.

■ When the outside temperature falls to nearly 0°C (32°F)

The dehumidification function may not operate even when “A/C” switch is pressed.

■ **Operation of the air conditioning system in the eco air conditioning mode**

- In the eco air conditioning 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.473)
  - Turn off Eco air conditioning mode
- When the driving mode is set to Eco drive mode, the Eco air conditioning mode will be turned on automatically. Even in this case, the Eco air conditioning mode can be turned off by pressing the Eco air conditioning mode switch.

■ **nanoe™ X[*1, 2] generator (if equipped)**

A nanoe™ X generator is installed in this air conditioning system. This provides clean and refreshing air through the instrument panel center vent by emitting nanoe™ X particles.[*3]

- When nanoe™ X is turned on, the nanoe™ X generator is automatically activated when the fan is turned on.
- The effects of nanoe™ X are maximized in the following conditions:
  - The upper body, and upper body and feet vents are being used.
  - The instrument panel center vent is open.
- When nanoe™ X particles are generated, a small amount of ozone is emitted so a faint odour may be detectable. This is approximately the same as the amount that already exists in nature, such as in forests, and it has no effect on the human body.
- A slight noise may be detectable during operation. It may take some time for operation to begin. A more noticeable noise may be detectable immediately upon the start of operation. This is not a malfunction.

[*1]: nanoe™ and the nanoe™ X marks are trademarks of Panasonic Holdings Corporation.

[*2]: nanoe™ X particles are nano-sized electrostatic atomized water particles that contain hydroxyl radicals, which have beneficial effects.

[*3]: According to temperature and humidity conditions, fan speed and direction of the air flow, the nanoe™ X generator may not operate at full capacity.

■ **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.
- In order to suppress odors that occur when the air conditioning system starts, the air flow mode may change to blow air to the feet (on some models) or air may stop blowing for a short period of time immediately after the air conditioning system is started in automatic mode.
- 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.
- Except GCC countries[*], Lebanon, Jordan, Yemen, Iraq: When parking, the system automatically switches to outside air mode to encourage better air circulation throughout the vehicle, helping to reduce odors that occur when starting the vehicle.

*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

Using the voice control system (if equipped)

Air conditioning system can be operated using voice control system.

For details regarding the voice control system, refer to “Multimedia Owner’s Manual”.

Air conditioning system operations when the engine is stopped due to the Stop & Start system (vehicles with Stop & Start system)

When the engine is stopped due to the Stop & Start system operations, the air conditioning cooling, heating and dehumidification functions turn off and only ambient temperature air is blown, and there is a possibility that the blowing of ambient temperature air will stop. To prevent the air conditioning system from turning off, press the Stop & Start cancel switch to deactivate the system.

When the windshield is fogged up and the engine is stopped due to the Stop & Start system (vehicles with Stop & Start system)

Press the windshield defogger switch to restart the engine and defog the windshield. If the windshield continuously fogs up, press the Stop & Start cancel switch and refrain from using the Stop & Start system.

When an odor comes from the air conditioning system while the engine is stopped due to the Stop & Start system (vehicles with Stop & Start system)

Press the Stop & Start cancel switch to restart the engine.

While the cool box is on (vehicles with cool box)

▶ GCC countries*, Lebanon, Jordan, Yemen, Iraq

The front air conditioning system cannot be turned off. However, air flow to the occupants can be stopped by pressing the “OFF” button on the air conditioning control panel.

Also, a very small amount of air is blown from the windshield air vent to protect the air conditioning system.

▶ Except GCC countries*, Lebanon, Jordan, Yemen, Iraq

The front air conditioning system cannot be turned off.

*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

Air conditioning filter

→P.615

Customization

Some functions can be customized. (Customizable features: →P.717)

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 (if equipped) are operating

Do not touch the rear view mirror surfaces when the outside rear view mirror defoggers are on.

nanoe™ X generator (if equipped)

Do not disassemble or attempt to repair the nanoe™ X generator because it contains high voltage parts. Contact your Toyota dealer if the generator needs repair.

NOTICE

■ To prevent battery discharge

Do not leave the air conditioning system on longer than necessary when the engine is not running.

■ To prevent damage to the nanoe™ X generator (if equipped)

Do not insert anything into the instrument panel center vent, attach anything to it, or use sprays around it. These actions could cause the generator to malfunction.

Using automatic mode

1 Press the “AUTO” 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.

Cool air may blow around the upper body even when the heater is on due to sunlight.

Adjusting the temperature for driver and passenger seats simultaneously (“SYNC” mode)

To turn on the “SYNC” mode, press the “SYNC” switch.

The driver’s side temperature control switch can be used to adjust the temperature for the driver’s and passenger’s side. To enter individual mode, operate the passenger’s side temperature control switch or press the “SYNC” switch again.

When the “SYNC” mode is on, the indicator illuminates on the display (vehicles without rear air conditioning system) or the indicator illuminates on the “SYNC” switch (vehicles with rear air conditioning system).

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. Unnecessary air conditioning is suppressed, contributing to increased fuel efficiency.

Press  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

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.

Changing the rear seat settings from the front seat (vehicles with rear air conditioning system)

Press the “REAR” switch to turn on the rear air conditioning system control mode.

When in rear air conditioning system control mode, “REAR” is shown on the display.

If the “REAR” switch is pressed again or operations are not performed for a few seconds, the control mode returns to the front air conditioning system control mode.

■ Adjusting the temperature setting

Operate the temperature control switch upwards to increase the temperature and downwards to decrease the temperature.

■ Setting the fan speed

Operate the fan speed control switch on the driver’s side upwards to increase the fan speed and downwards to decrease the fan speed.

Press the “OFF” switch to turn the fan off.

■ Change the airflow mode

Press the airflow mode control switch on the driver’s side.

The mode changes each time the switch is pressed.

Windshield de-icer (if equipped)/Heated Windshield Defroster (if equipped)

This feature is used to prevent ice from building up on the windshield and wiper blades.

Press the switch to turn the system on/off.

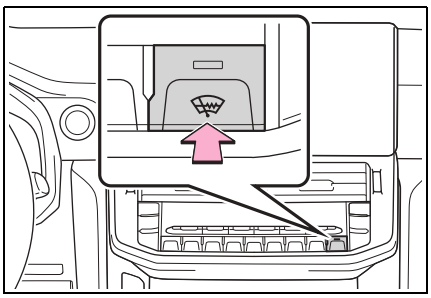
The indicator comes on when the system is on.

Vehicles with windshield de-icer: The windshield de-icer will automatically turn off after a period of time.

Vehicles with Heated Windshield Defroster:

- The Heated Windshield Defroster will automatically turn off.
- The Heated Windshield Defroster will not operate if the outside temperature is 5°C (41°F) or higher.

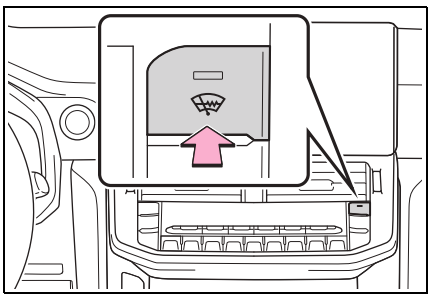
▶ Vehicles without rear air conditioning system



5

Interior features

▶ Vehicles with rear air conditioning system



WARNING

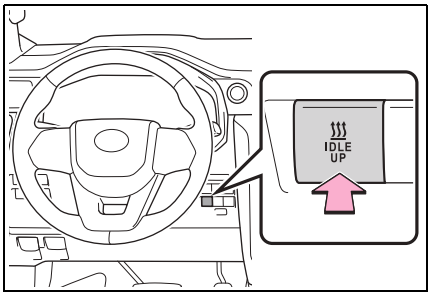
■ To prevent burns

- Vehicles with windshield de-icer: Do not touch the glass at lower part of the windshield or to the side of the front pillars when the windshield de-icer is on.
- Vehicles with Heated Windshield Defroster: Do not touch the windshield (especially the lower part) as the surfaces can become very hot when the Heated Windshield Defroster is on.

Heater idle up (if equipped)/Power heater (if equipped)

■ Heater idle up

This feature is used to boost heating effect in extremely cold conditions when the vehicle is not moving.

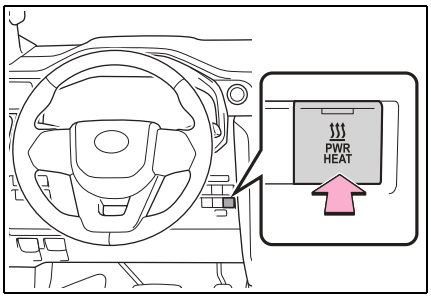


Press the switch to increase engine speed.

Press the switch again to return the engine to the normal idle speed. If you do not turn the switch to off, the engine speed is increased whenever the engine is started.

■ Power heater

This feature is used to heat the engine coolant, speed up warming of the cab in cold weather, and keep the cab warm.



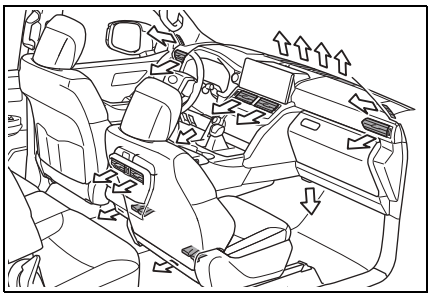
Turns the power heater on/off

If you do not turn the switch to off, the engine speed is increased whenever the engine is started.

Air outlet layout and operations

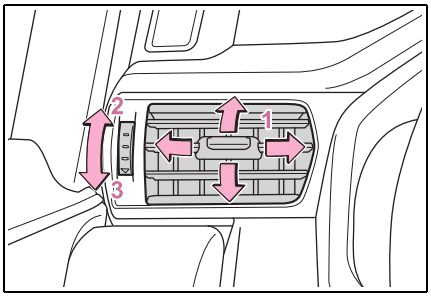
■ Location of air outlets

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

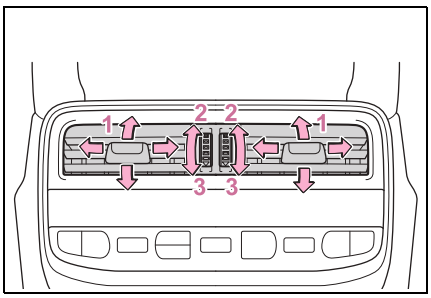


1 Direct air flow to the left or right, up or down

2 Open the vent

3 Close the vent

▶ Rear (if equipped)



1 Direct air flow to the left or right, up or down

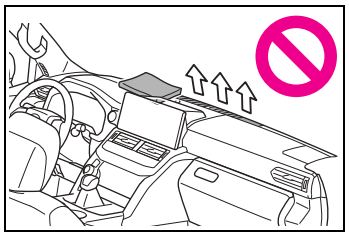
2 Open the vent

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.

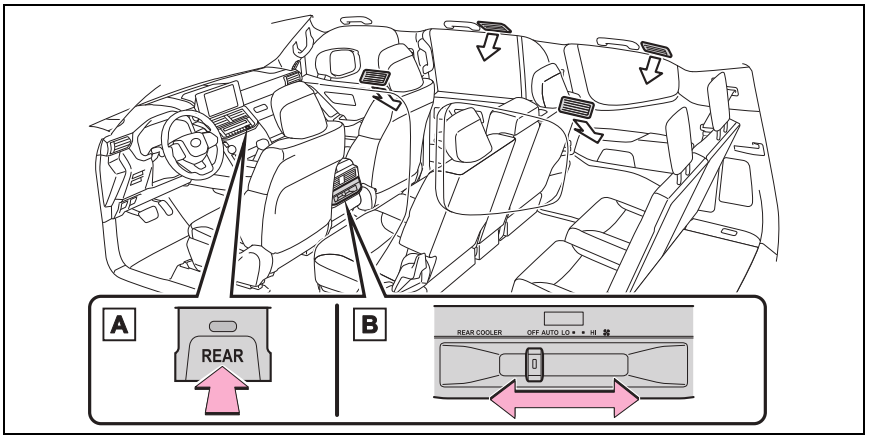


Rear cooler system*

*: If equipped

Press the “REAR” switch on the front air conditioning control panel to use the rear cooler system.

Rear cooler controls



A “REAR” switch

B Fan speed control knob

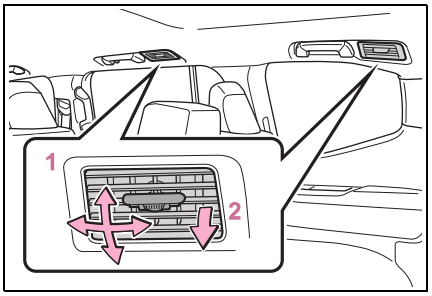
Adjusting the fan speed setting

1 Press the “REAR” switch to turn on the system.

2 Use the fan speed control knob to adjust the desired fan speed.

Press the “REAR” switch again or set the fan speed control knob to “OFF” to turn the fan off.

Adjusting the air flow direction and opening/closing the air outlets



1 Direct air flow to the left or right, up or down.

2 Turn the knob down fully to close the vent.

■ Using “AUTO” mode

The fan speed is adjusted automatically according to the temperature setting of the front air conditioning system and the ambient conditions.

NOTICE

■ To prevent battery discharge

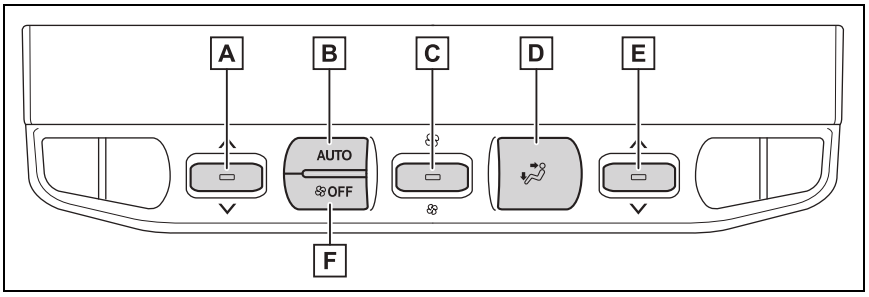
Do not leave the air conditioning system on longer than necessary when the engine is not running.

Rear automatic air conditioning system*

*: If equipped

Air outlets and fan speed are automatically adjusted according to the temperature setting.

Rear air conditioning controls



A Left-hand side temperature control switch

B Automatic mode switch

C Fan speed control switch

D Airflow mode control switch

E Right-hand side temperature control switch

F “OFF” switch

■ **Adjusting the temperature setting**

Operate the temperature control switch upwards to increase the temperature and downwards to decrease the temperature.

The temperature for the right-hand and left-hand seats can be set separately.

■ **Adjusting the fan speed setting**

Operate the fan speed control switch upwards to increase the fan speed and downwards to decrease the fan speed.

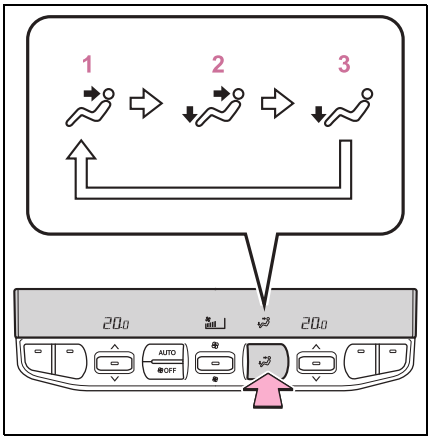
The fan speed is shown on the display. (7 levels)

Press the “OFF” switch to turn the fan off.

■ **Change the airflow mode**

Press the airflow mode control switch.

The airflow mode changes as follows each time the switch is pressed.



1 Air flows to the upper body

2 Air flows to the upper body and feet

3 Air flows to the feet

■ Rear automatic air conditioning system operation condition

When the front air conditioning system is off, only air blows without the cooling function activated.

■ Ventilation and air conditioning odors

During use, various odors from inside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.

■ Changing the rear seat settings from the front seat

The rear automatic air conditioning system settings can be changed from the front air conditioning system control panel by operating the “REAR” switch. (→P.517)

NOTICE

■ To prevent battery discharge

Do not leave the rear air conditioning system on longer than necessary when the engine is not running.

Using the automatic mode

1 Press the “AUTO” 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 on the display goes off. However, automatic mode for functions other than that operated is maintained.

■ Using automatic mode

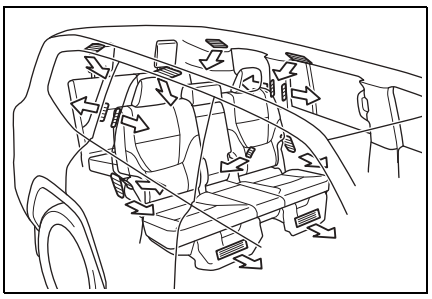
Fan speed is adjusted automatically according to the temperature setting and the ambient conditions. Therefore, the fan may stop for a while until warm or cool air is ready to flow immediately after the automatic mode switch is pressed.

Cool air may blow around the upper body even when the heater is on due to sunlight.

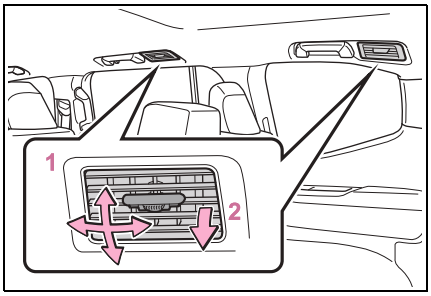
Air outlet layout and operations

■ Location of air outlets

The air outlets and air volume changes according to the selected air flow mode.



■ **Adjusting the air flow direction and opening/closing the air outlets (side ceiling)**



1 Direct air flow to the left or right, up or down.

2 Turn the knob down fully to close the vent.

Heated steering wheel*/seat heaters*/seat ventilators*

*: If equipped

- Heated steering wheel

Warm up the grips of the steering wheel

- Seat heaters

Warm up the seat upholstery

- Seat ventilators

Maintain good ventilation by pulling air through the seat upholstery

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.)

NOTICE

■ **To prevent damage to the seat heaters and seat ventilators**

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.

NOTICE

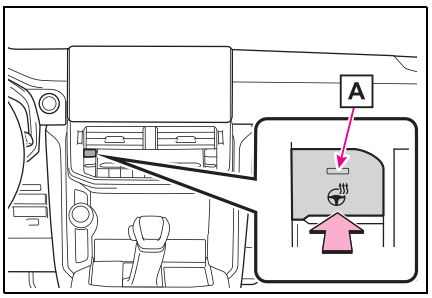
■ To prevent battery discharge

Do not use the functions when the engine is not running.

Operating the heated steering wheel

Press the switch to turn the heated steering wheel on/off.

The indicator light A comes on when the heated steering wheel is operating.



■ Operation condition

The engine switch is in ON.

■ If the indicator light flashes

Press the switch to turn the heated steering wheel off and then press the switch again. If the indicator light still flashes, a malfunction may be occurring. Turn the heated steering wheel off and have the vehicle inspected by your Toyota dealer.

Operating the seat heaters

■ Front seats

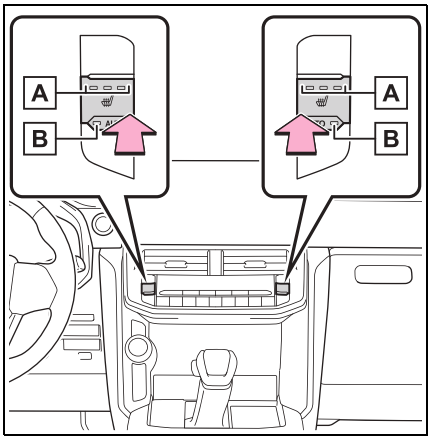
Press the switch to turn the seat heater on/off.

Each time the switch is pressed, the operation condition changes as follows.

AUTO (lit) → Hi (3 segments lit) → Mid (2 segments lit) → Lo (1 segment lit) → Off

The AUTO indicator B and/or level indicator A illuminates during operation.

When in the AUTO mode, the seat heaters or seat ventilators automatically operate according to circumstances.



■ Outboard second seats (if equipped)

Press the switch to turn the seat heater on/off.

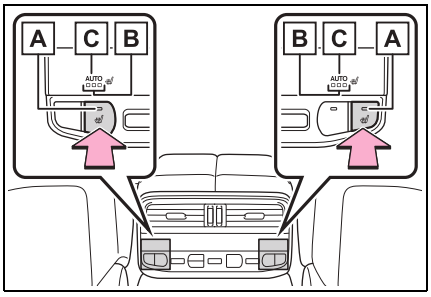
Each time the switch is pressed, the operation condition changes as follows.

AUTO (lit) → Hi (3 segments lit) → Mid (2 segments lit) → Lo (1 segment lit) → Off

While the rear seat heaters are operating, the indicator A on the seat heater switch and level indicator B illuminate, or the indicator A on the seat heater switch, level indicator B and

"AUTO" indicator C illuminate.

When in the AUTO mode, the seat heaters or seat ventilators automatically operate according to circumstances.



■ The seat heaters can be used when

The engine switch is in ON.

■ Customization

Settings for the seat heaters can be changed. (Customizable features: →P.717)

⚠ WARNING

■ To prevent causes of overheating and minor burn injuries

Observe the following precautions when using a seat heater

- Do not cover the seat with a blanket or cushion when using the seat heater.
- Do not use seat heater more than necessary.

Operating the seat ventilators

■ Front seats

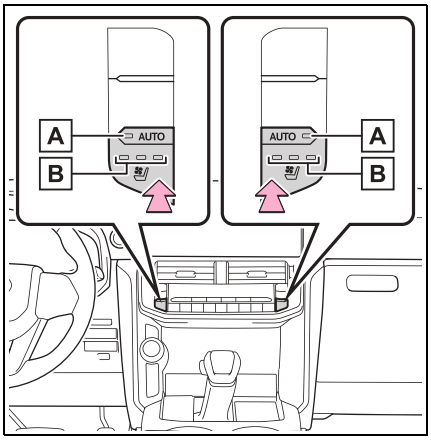
Press the switch to turn the seat ventilator on/off.

Each time the switch is pressed, the operation condition changes as follows.

AUTO (lit) → Hi (3 segments lit) → Mid (2 segments lit) → Lo (1 segment lit) → Off

The AUTO indicator A and/or level indicator B illuminates during operation.

When in the AUTO mode, the seat heaters or seat ventilators automatically operate according to circumstances.



■ Outboard second seats (if equipped)

Press the switch to turn the seat ventilator on/off.

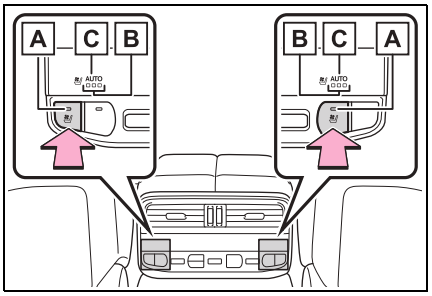
Each time the switch is pressed, the operation condition changes as follows.

AUTO (lit) → Hi (3 segments lit) → Mid (2 segments lit) → Lo (1 segment lit) → Off

While the rear seat ventilators are operating, the indicator A on the seat ventilator switch and level indicator B illuminate, or the indicator A on the seat ventilator switch, level indicator B and "AUTO" indicator C illumi-

nate.

When in the AUTO mode, the seat heaters or seat ventilators automatically operate according to circumstances.



■ The seat ventilators can be used when

The engine switch is in ON.

■ Air conditioning system-linked control mode

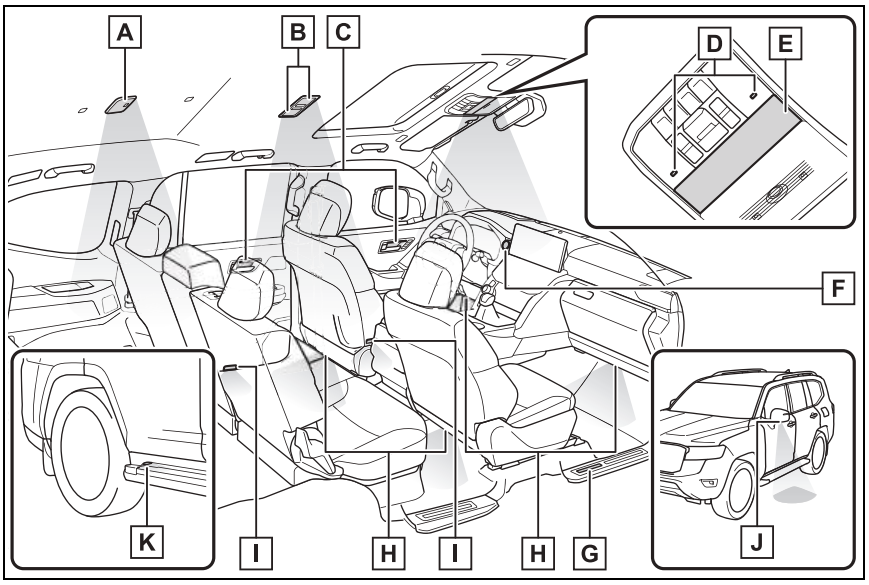
When the seat ventilator fan speed level is Hi, the seat ventilator fan speed becomes higher according to the fan speed of the air conditioning system.

■ Customization

Settings for the seat ventilators can be changed. (Customizable features: →P.717)

Interior lights list

Location of the interior lights



A Rear personal lights (→P.530)

B Rear interior lights*/rear personal lights* (→P.529, 530)

C Inside door handle lights*

D Shift lever lights

E Front interior lights*/front personal lights* (→P.529, 530)

F Engine switch illumination

G Scuff lights*

H Footwell lights*

I Door courtesy lights*

J Outer foot lights*

K Running board lights*

*: If equipped

Illuminated entry system

The lights automatically turn on/off according to the engine switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are opened/closed.

To prevent the battery from being discharged

If the interior lights remain on when the engine switch is turned to OFF, the lights will go off automatically after 20 minutes.

Automatic illumination of the interior lights

If any of the SRS airbags deploy (inflate) or in the event of a strong rear impact, the interior lights will turn on automatically.
The interior lights will turn off automatically after approximately 20 minutes.
The interior lights can be turned off manually. However, in order to help prevent further collisions, it is recommended that they be left on until safety can be ensured. (The interior lights may not turn on automatically depending on the force of the impact and conditions of the collision.)

Customization

Setting (e.g. the time elapsed before the lights turn off) can be changed. (Customizable features: →P.718)

NOTICE

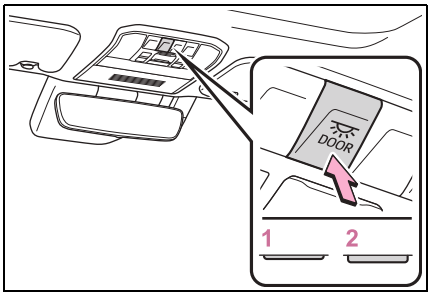
To prevent battery discharge

Do not leave the lights on longer than necessary when the engine is not running.

Operating interior lights

Front interior lights (if equipped)

- Turning the door position on



1 Turns the door-linked function on (door position)

The lights turn on/off according to the opening/closing of the doors.

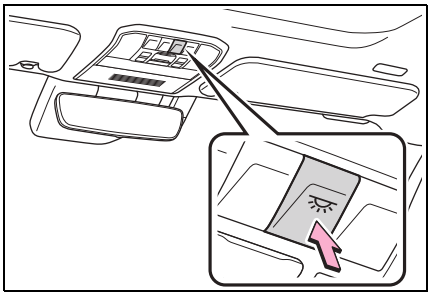
2 Turns the door-linked function off

- Turning the lights on/off

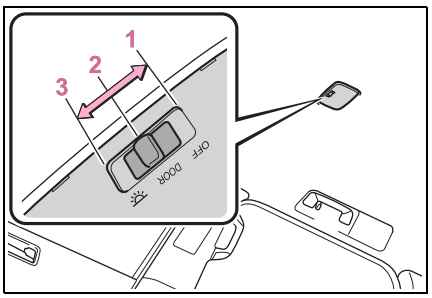
Turns the lights on/off

The rear personal lights will turn on linked with the front interior lights operation.

When a door is opened while the door position is on, the lights turn on.



■ Rear interior lights (if equipped)



1 Turns the light off

2 Turns the door-linked function on (door position)

The lights turn on/off according to the opening/closing of the doors.

3 Turns the light on

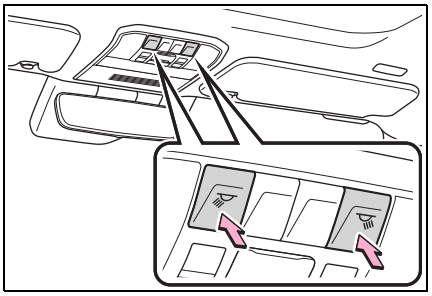
The rear personal lights will turn on linked with the rear interior lights operation.

Operating personal lights

■ Front personal lights (if equipped)

Turns the lights on/off

When the front personal lights illuminate with the door-linked function on (door position), they will not turn off even if the switch is pressed.

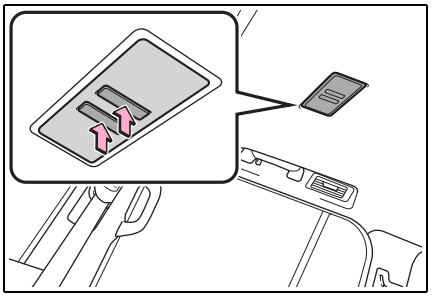


■ Rear personal lights

▶ Second seats (if equipped)

Turns the lights on/off

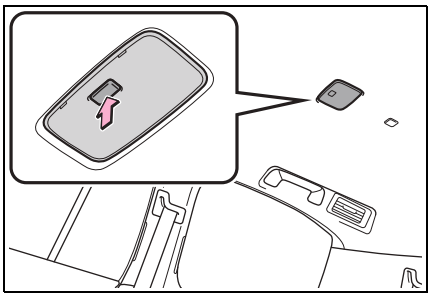
When the rear personal lights illuminate linked with the interior lights operation or when they illuminate with the door-linked function on (door position), they will not turn off even if the switch is pressed.



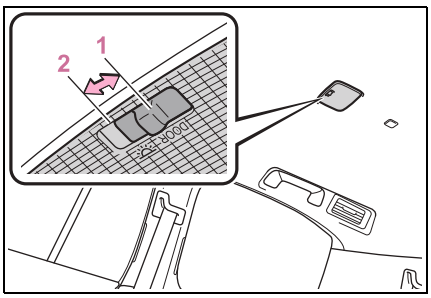
▶ Third seats (type A)

Turns the lights on/off

When the rear personal lights illuminate linked with the interior lights operation or when they illuminate with the door-linked function on (door position), they will not turn off even if the switch is pressed.



▶ Third seats (type B)

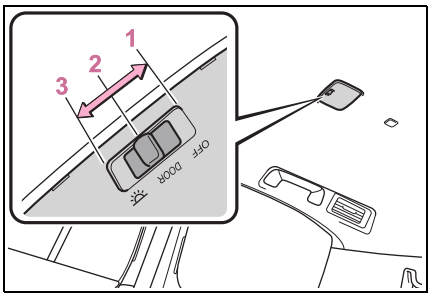


1 Turns the door-linked function on (door position)

When the door is opened or closed while the front interior light door position is on, the lights turn on or off accordingly.

2 Turns the light on

▶ Third seats (type C)



1 Turns the light off

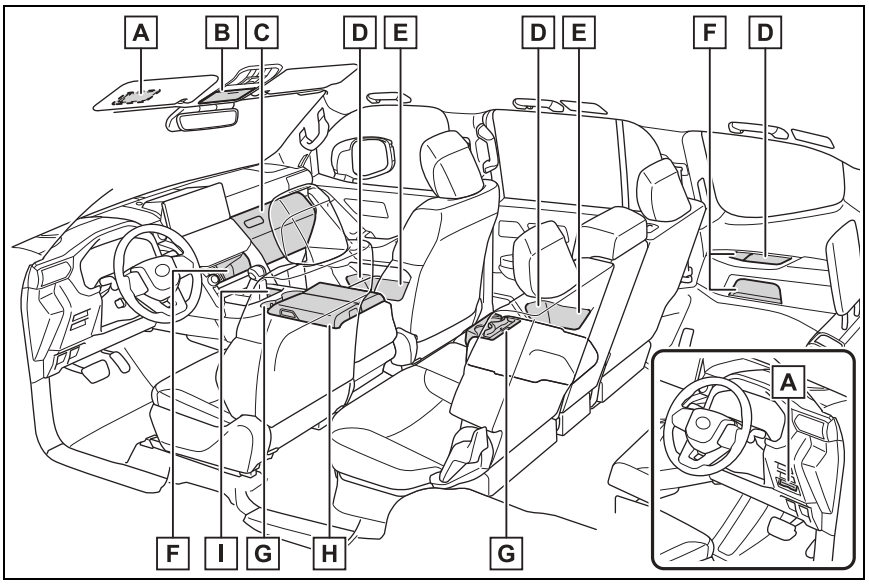
2 Turns the door-linked function on (door position)

When the door is opened or closed while the rear interior light door position is on, the lights turn on or off accordingly.

3 Turns the light on

List of storage features

Location of the storage features



A Card holders (if equipped) (→P.536)

B Overhead console (if equipped) (→P.534)

C Glove box (→P.533)

D Bottle holders (→P.535)

E Door pockets

F Auxiliary boxes (if equipped) (→P.536)

G Cup holders (→P.534)

H Console box (if equipped) (→P.533)

I Open tray (if equipped) (→P.537)

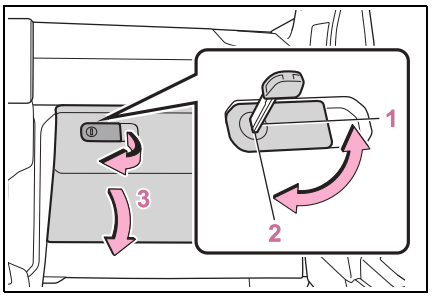
WARNING

■ **Items that should not be left in the storage spaces**

Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:

- Glasses may be deformed by heat or cracked if they come into contact with other stored items.
- Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.

Glove box



1 Unlock with the mechanical key

2 Lock with the mechanical key

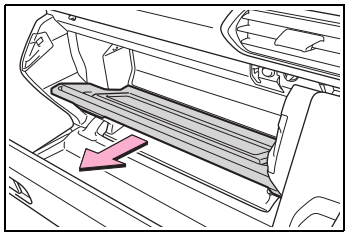
3 Open (pull up the lever)

■ **Glove box light**

The glove box light turns on when the tail lights are on.

■ **Removing the partition**

The partition inside the glove box can be removed by pulling it.



WARNING

■ **Caution while driving**

Keep the glove box closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by the open glove box or the items stored inside.

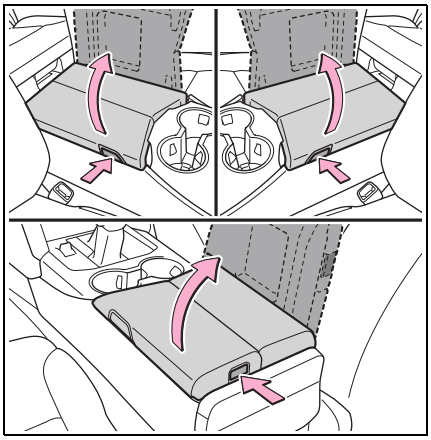
Console box (if equipped)

Your vehicle is equipped with either a console box or cool box.

For vehicles with the cool box, refer to P.541.

While pressing the button, lift up and open the lid.

The console box can be opened from right, left or back side of the console box.

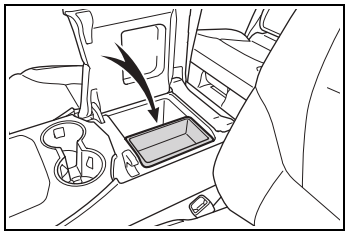


5

Interior features

Tray in the console box

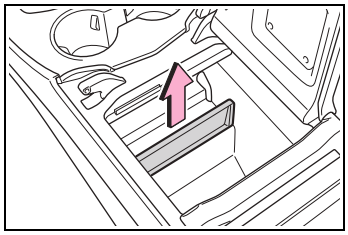
The tray in the console box can be moved left or right, or can be removed.



Console box insert

The insert in the console box can be removed.

Remove the insert.



WARNING

Caution while driving

Keep the console box closed.

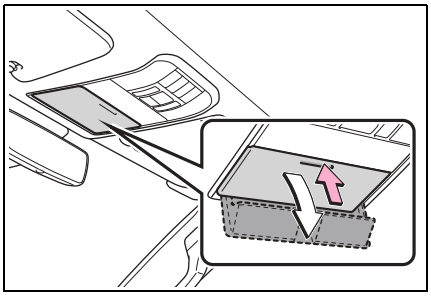
Injuries may result in the event of an accident or sudden braking.

When opening and closing the console box

Take care to prevent your fingers etc. from being caught.

Overhead console (if equipped)

Press the lid.



WARNING

Items unsuitable for storing

Do not store items heavier than 0.2 kg (0.4 lb.).

Doing so may cause the overhead console to open and the items inside may fall out, resulting in an accident.

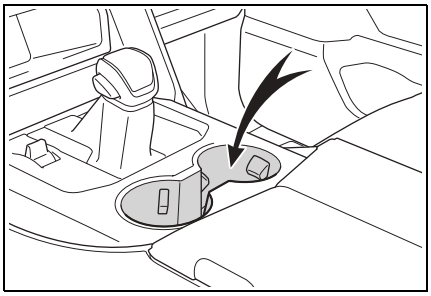
Caution while driving

Keep the overhead console closed.

Injuries may result in the event of an accident or sudden braking.

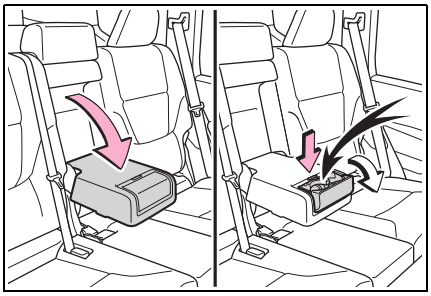
Cup holders

Front seats



Second seats (if equipped)

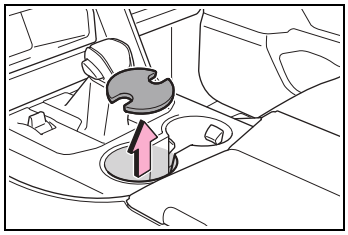
To open, pull down the armrest and press in and release the rear cup holder on the armrest.



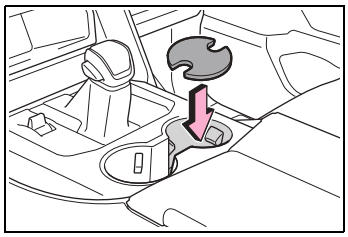
■ Front seats cup holder

- The tray in the driver's side cup holder can be removed.

When the tray is removed, the cup holder can be used as a bottle holder.



- The tray removed can be stored in the front passenger's side cup holder.



WARNING

■ Items unsuitable for the cup holders

- Do not place anything other than cups or beverage cans in the cup holders.

Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

- Do not place anything tall such as plastic bottle in the cup holder with the tray. It may prevent the shift operation.

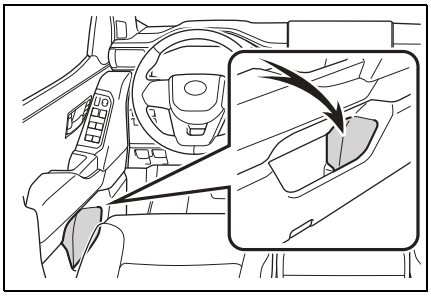
NOTICE

■ To prevent damage to the cup holders (second seats) (if equipped)

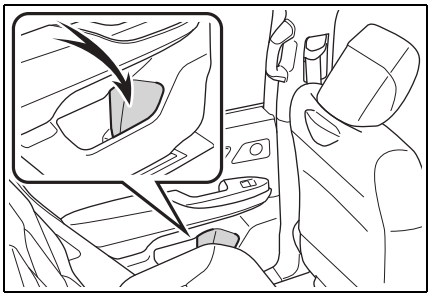
Stow the cup holders before stowing the rear armrest.

Bottle holders

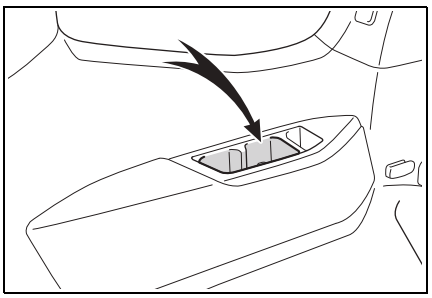
■ Front doors



■ Rear doors



■ Rear side trims



■ **Bottle holders**

- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.

NOTICE

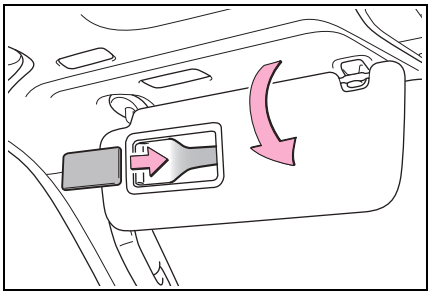
■ **Items that should be not stowed in the bottle holders**

Do not place open bottles or glass and paper cups containing liquid in the bottle holders. The contents may spill and glasses may break.

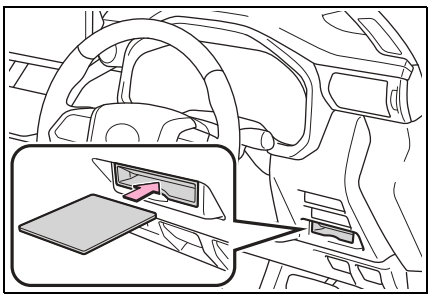
Card holders (if equipped)

■ Inside of the sun visors (if equipped)

Flip the sun visor down to use.

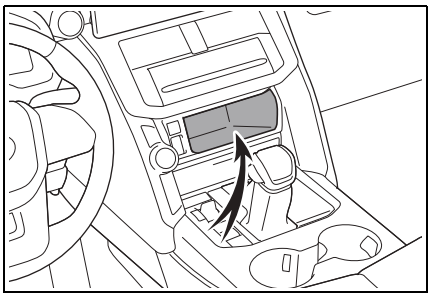


■ Instrument panel (if equipped)

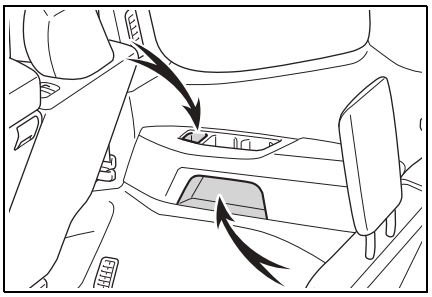


Auxiliary boxes

■ Front (if equipped)



■ Rear side trims (if equipped)



WARNING

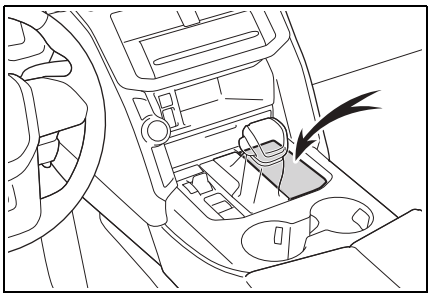
■ **Caution while driving**

Do not leave the auxiliary box open while driving.

Items stored in it may fall out and cause death or serious injury in case of an accident or sudden stop.

Open tray (if equipped)

Vehicles with wireless charger:
→P.546



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

WARNING

■ Caution while driving

Keep the auxiliary box closed.

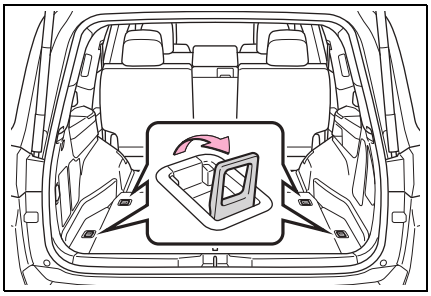
In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by an open auxiliary box or the items stored inside.

Cargo hooks

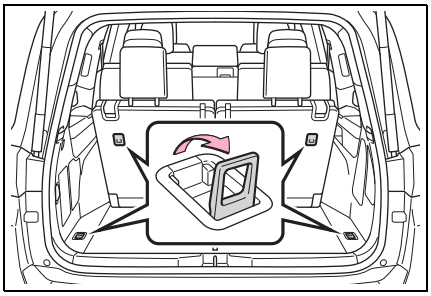
Raise the hook to use.

The cargo hooks are provided for securing loose items.

▶ 5-passenger models



▶ 7-passenger models



WARNING

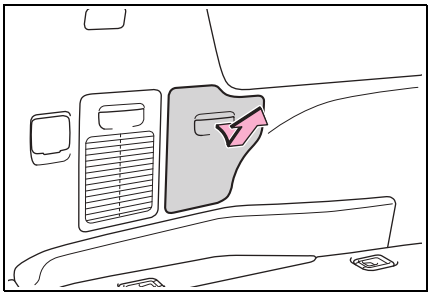
■ When cargo hooks are not in use

To avoid injury, always return the hooks to their stowed positions when not in use.

Storage compartment

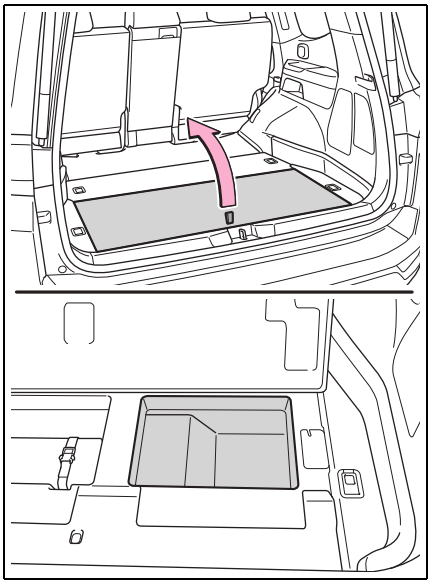
■ Side of the luggage compartment (if equipped)

Remove the cover.



■ Luggage compartment (5-passenger models)

Open the deck board.

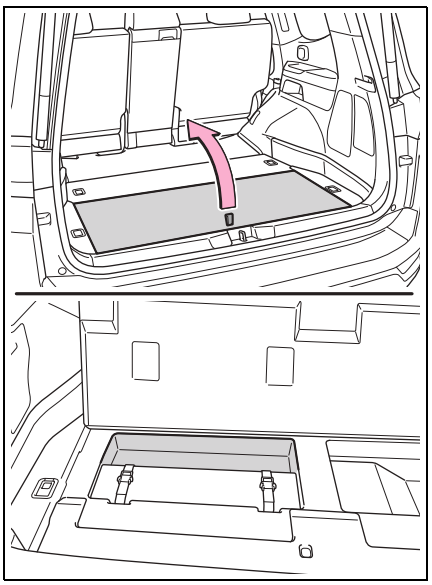


Warning reflector holder

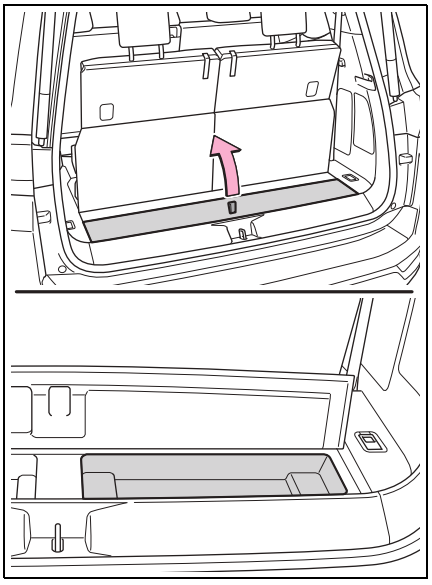
Open the deck board.

The warning reflector itself is not included as an original equipment.

▶ 5-passenger models



▶ 7-passenger models



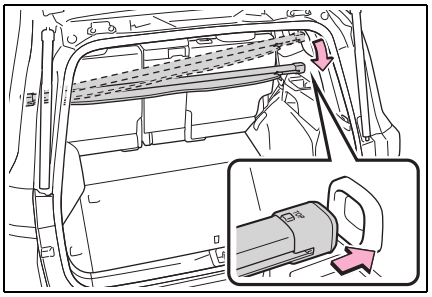
■ Warning reflector

Depending on the size and shape of the warning reflector case, you may not be able to store it.

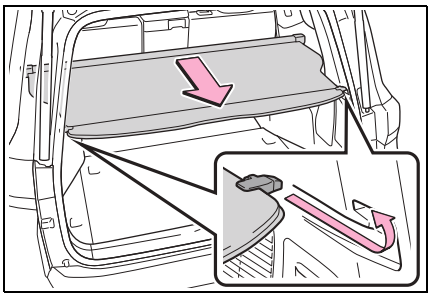
Luggage cover (if equipped)

■ Installing the luggage cover

1 Install one side of the luggage cover to the holder. While pushing that side in, install the other side to the opposite holder.

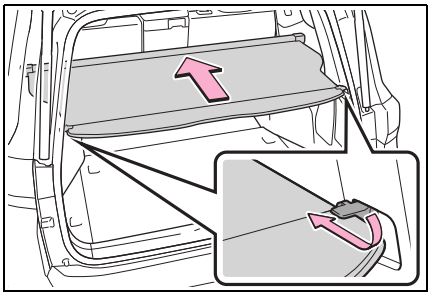


2 Pull out the luggage cover and secure it to the hook brackets.



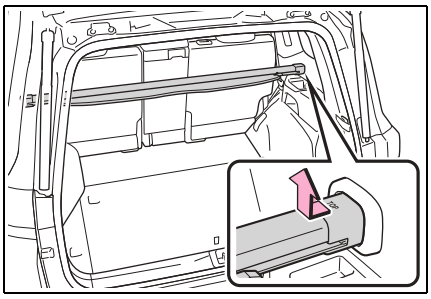
■ Removing the luggage cover

1 Detach the both ends of the luggage cover from the holder and retract it.



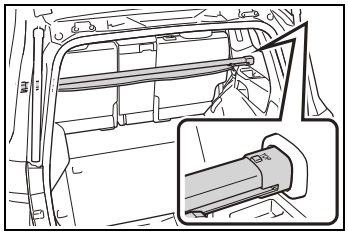
2 Push one end of the luggage cover inward and remove it from the holder.

After remove the luggage cover, remove it from the vehicle.



■ When installing the luggage cover

Keep the “TOP” mark on the luggage cover ends upward.



WARNING

■ Luggage cover

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.

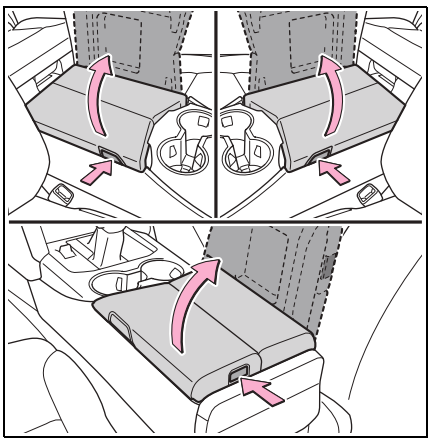
Other interior features

Cool box (if equipped)

While the engine is running, the cool box, which is cooled by the air conditioning, can be used.

1 While pressing the button, lift up and open the lid.

The console box can be opened from right, left or back side of the console box.

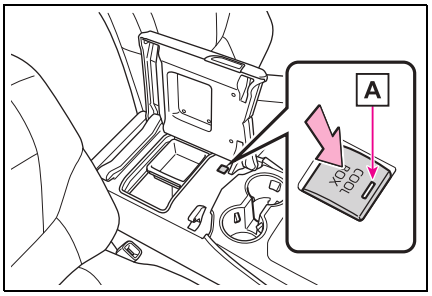


2 Turns the cool box on/off

When on, the indicator light A comes on.

Except GCC countries*, Lebanon, Jordan, Yemen and Iraq: If the front air conditioning system is not in use, the front air conditioning system is automatically turned on when the cool box is turned on.

*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait



If the front air conditioning system is not in use

▶ Except GCC countries*, Lebanon, Jordan, Yemen and Iraq

When the cool box is turned on, the front air conditioning system is automatically turned on.

▶ GCC countries*, Lebanon, Jordan, Yemen and Iraq

When the cool box is turned on, a very small amount of air is blown from the windshield air vent to protect the air conditioning system.

*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

While the cool box is on

▶ Except GCC countries*, Lebanon, Jordan, Yemen and Iraq

- The front air conditioning system cannot be turned off.
- To adjust the temperature of the cool box, the cool box may stop operating temporarily.

▶ GCC countries*, Lebanon, Jordan, Yemen and Iraq

- The front air conditioning system cannot be turned off. However, air flow to the occupants can be stopped by pressing the “OFF” button on the air conditioning control panel.

Also, a very small amount of air is blown from the windshield air vent to protect

the air conditioning system.

- To adjust the temperature of the cool box, the cool box may stop operating temporarily.

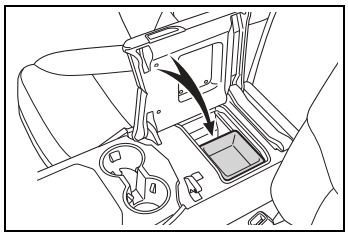
*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

■ When the outside temperature is 0°C (32°F) or below

The cool box may not operate.

■ Tray in the cool box

The tray in the cool box can be moved left or right, or can be removed.



■ Items unsuitable for the cool box

- Drinks in unsealed containers
- Fragile items, perishables or anything with strong odor
- Owner's manual, electronic devices, CDs, etc.

■ When cleaning the inside of the cool box

Wipe dirt off with a cloth dampened with water. Directly applying water may cause a malfunction.

WARNING

■ Caution while driving

Keep the cool box closed while driving.

Injuries may result in the event of sudden braking, sudden swerving or an accident.

■ When opening and closing the cool box

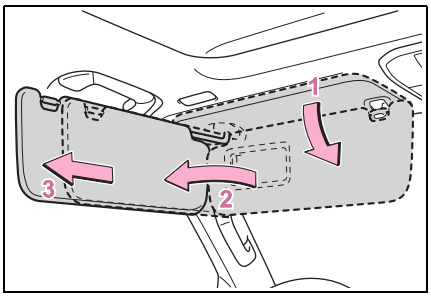
Take care to prevent your fingers etc. from being caught.

NOTICE

■ To prevent battery discharge

Do not leave the cool box on longer than necessary when the engine is not running.

Sun visors



1 To set the visor in the forward position, flip it down.

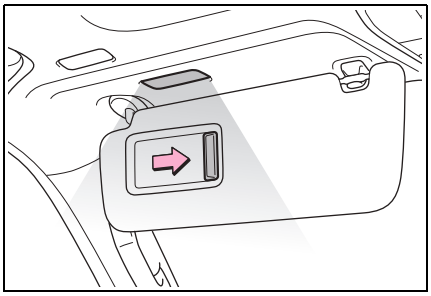
2 To set the visor in the side position, flip down, unhook, and swing it to the side.

3 To use the side extender (if equipped), place the visor in the side position, then slide it backward.

Vanity mirrors (if equipped)

Slide the cover to open.

The light turns on when the cover is opened.



■ **Automatic light off to prevent battery discharge**

If the vanity lights remain on when the engine switch is turned to OFF, the lights will go off automatically after 20 minutes.

NOTICE

■ **To prevent battery discharge**

Do not leave the vanity lights on for extended periods while the engine is off.

Power outlets (12 VDC)

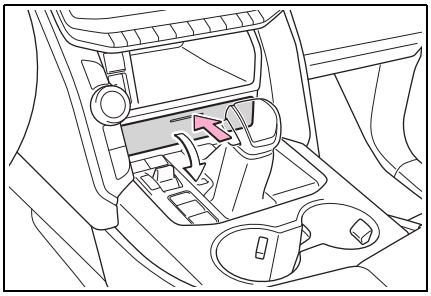
Please use a power supply for electronic goods that use less than 12 VDC/10 A (power consumption of 120 W).

When using electronic goods, make sure that the power consumption of all the connected power outlets is less than 120 W.

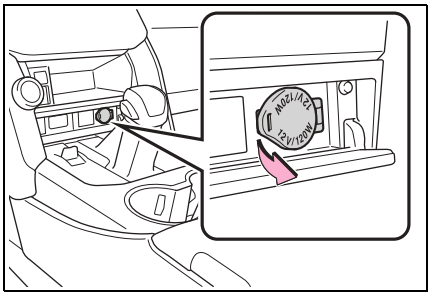
■ Front

Press the lid.

Make sure that a small object does not enter into a gap between the lid and instrument panel.

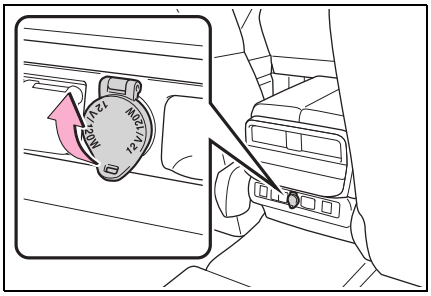


Open the lid.



■ Rear of the center console

Open the lid.

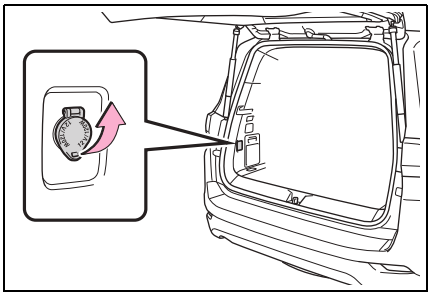


■ Luggage compartment (if equipped)

Open the lid.

5

Interior features



■ **The power outlet can be used when**

The engine switch is in ACC or ON, or the multimedia system is on.

■ **When turning the engine switch off**

Disconnect electrical devices with charging functions, such as mobile battery packs.
If such devices are left connected, the engine switch may not be turned off normally.

NOTICE

■ **To avoid damaging the power outlet**

Close the 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 blown fuse**

Do not use an accessory that uses more than 12 V 10 A.

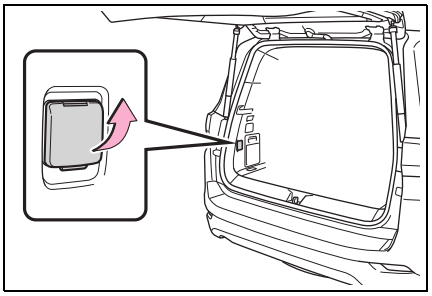
■ **To prevent battery discharge**

Do not use the power outlet longer than necessary when the engine is off.

Power outlet (120 VAC/100W or 220 VAC/100W) (if equipped)

Accessories that use less than 100 W.

Open the lid, and fully and securely insert the plug of the device into the power outlet.



■ **The power outlet can be used when**

The engine switch is in ON.

■ **Power outlet**

Do not use a 120 VAC or 220 VAC appliance that requires more than 100 W. If a 120 VAC or 220 VAC appliance that consumes more than 100 W is used, the protection circuit will cut the power supply.

■ **Appliances that may not operate properly (120 VAC or 220 VAC)**

The following 120 VAC or 220 VAC appliances may not operate properly even if their power consumption is under 100 W.

- Appliances with high initial peak wattage
- Measuring devices that process precise data
- Other appliances that require an extremely stable power supply

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.

NOTICE

■ To prevent battery discharge

Do not use the power outlet longer than necessary when the engine is off.

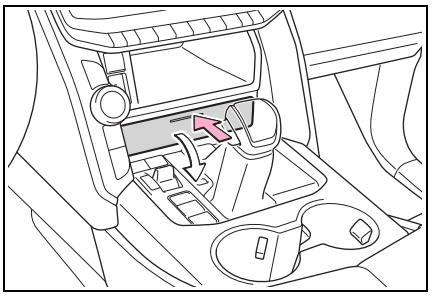
USB Type-C charging ports (if equipped)

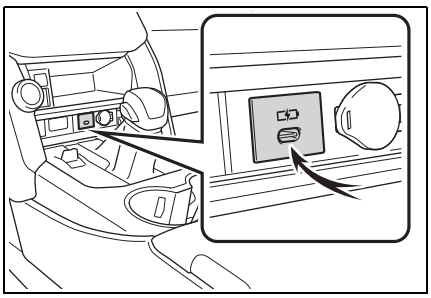
The USB Type-C charging ports are used to supply 3 A of electricity at 5 V to external devices.
The USB Type-C charging ports are for charging only. They are not designed for data transfer or other purposes.
Depending on the external device, it may not charge properly. Refer to the manual included with the device before using a USB Type-C charging port.

■ Front

Open the lid.

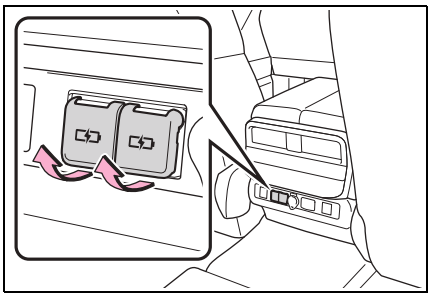
Make sure that a small object does not enter into a gap between the lid and instrument panel.





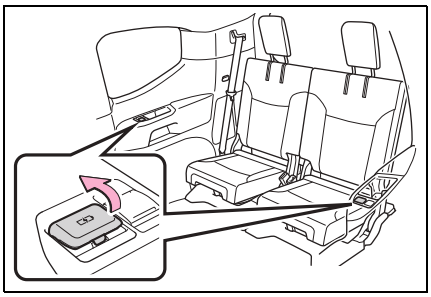
■ Rear of the center console

Open the lid.



■ Side of the third seat

Open the lid.



■ The USB Type-C charging ports can be used when

The engine switch is in ACC or ON, or the multimedia system is on.

■ Situations in which the USB Type-C charging ports may not operate correctly

- If a device which consumes more than 3 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 Type-C charging ports

- Do not insert foreign objects into the ports.
- Do not spill water or other liquids into the ports.
- When the USB Type-C 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 Type-C charging ports.
- Do not disassemble or modify the USB Type-C charging ports.

■ To prevent damage to external devices

- Do not leave external devices in the vehicle. The temperature inside the vehicle may become high, resulting in damage to an external device.
- Do not push down on or apply unnecessary force to an external device or the cable of an external device while it is connected.

■ To prevent battery discharge

Do not use the USB Type-C charging ports for a long period of time with the engine stopped.

Wireless charger (if equipped)

A portable device can be charged by just placing Qi standard wireless charge compatible portable devices according to the Wireless Power Consortium, such as smartphones and mobile batteries, etc., on the charge area.

The compatible portable devices can be found on the following Wireless Power Consortium website.

https://www.wirelesspowerconsortium.com/

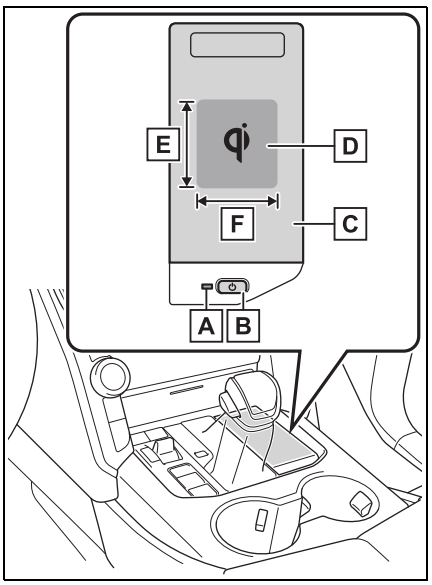
This function cannot be used with portable devices that are larger than the charging tray. Also, depending on the portable device, it may not operate as normal. Please read the operation manual for portable devices to be used.

■ The “Qi” logo

The Qi logo is a trademark of the Wireless Power Consortium. Qi ID: 09553



■ **Name for all parts**



A Operation indicator light

B Power supply switch

C Charging tray

D Charge area*

E Approximately 6 cm (2.4 in.)

F Approximately 7 cm (2.8 in.)

*: Portable devices and wireless chargers contain charging coils. The charging coil in the wireless charger can be moved within the charge area near the center of the charging tray. If the charging coil inside a portable device is detected in the charge area, the charging coil inside the wireless charger will move toward it and start charging. If the charging coil inside a portable device moves outside of the charge area, charging will automatically stop.
If 2 or more portable devices are placed on the charging tray, their charging coils may not be properly detected and they may not be charged.

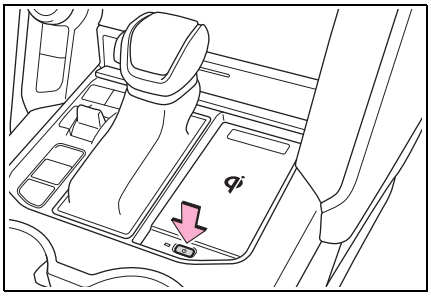
■ **Using the wireless charger**

1 Press the power supply switch of the wireless charger.

Switches on and off with each press of the power supply switch.

When turned on, the operation indicator light (green) comes on.

Even with the engine off, the on/off state of the power supply switch is memorized.



2 Place the portable device on the charging tray

Place the charging side of the portable device down with the outer edge of the device aligned against the edge A of the tray.

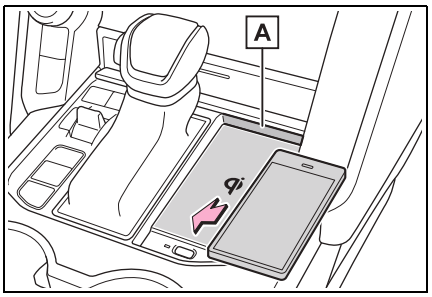
Depending on the portable device, its charging coil may not be in the center of the device. In this case, place the portable device so that its charging coil is centered in the charging area.

When charging, the operation indicator light (orange) comes on.

If charging is not occurring, try placing the portable device as close to the center of the charging area as possible.

If charging is not performed, the operation indicator light will slowly illuminate in green and orange alternatively and a sound of charging coil operation may be heard repeatedly.

When charging is complete, the operation indicator light (green) comes on.



Recharging function

- When charging is complete and after a fixed time in the charge suspension state, charging restarts.
- If a portable device is moved significantly within the charging area, the charging coil may disconnect and charging may temporarily be stopped. However, if a charging coil is detected within the charging area, the charging coil inside the wireless charger will move near the other coil and charging will resume.

Rapid charging function

- The following portable devices support rapid charging.

• Portable devices compliant with WPC Ver1.2.4 and compatible with rapid charging
• iPhone's with an iOS version that supports 7.5 W charging (iPhone 8 and later models)

- To switch to the rapid charging function, press the power supply switch 3 times while charging. When rapid charging is possible, the operation indicator light will switch from orange to flashing between green and orange.
- When charging is complete, the rapid charging function will stop. Switch again to the rapid charging function to use rapid charging again.

Lighting conditions of operation indicator light

Operation indicator light	Conditions
Turning off	When the Wireless charger power supply is off
Green (comes on)	On Standby (charging possible state)*1
	When charging is complete*2
Orange (comes on)	When placing the portable device on the charging area (detecting the portable device)
	Charging
Flashing between green and orange	When any of the following portable devices is using rapid charging • Portable devices compliant with WPC Ver1.2.4 and compatible with rapid charging • iPhone's with an iOS version that supports 7.5 W charging (iPhone 8 and later models)

*1: Charging power will not be output during standby. A metallic object will not be heated, if it is placed on the

charging tray in this state.

*2: Depending on the portable device, there are cases where the operation indicator light will continue being lit up orange even after the charging is complete.

● When the operation indicator light flashes

When an error occurs, the operation indicator light flashes an orange color.
Handle the error based on the following tables.

• Flashing repeatedly once every second (Orange)

Suspected causes	Handling method
Wireless charger and smart key communication failure	If the engine is running, stop and then restart the engine. If the engine switch is in ACC, start the engine. (→P.265)

• Repeatedly flashes 3 times continuously (Orange)

Suspected causes	Handling method
A metallic foreign substance is in the charge area, and so the abnormal heating prevention function of the metallic foreign substance operated	Remove the foreign substance from the charge area.
Portable device misaligned: The charging coil in the portable device moved outside of the charge area, and so the abnormal heating prevention function of the operated	Remove the portable device from the charging tray, check that the operation indicator light switches back to green, and then once again place the device near the center of the charging tray. If there is a case or cover attached to the portable device, remove it.

• Repeatedly flashes 4 times continuously (Orange)

Suspected causes	Handling method
Safety shutdown resulting when the temperature within the wireless charger exceeded the set value	Stop charging, remove the portable device from the charging tray, wait for the temperature to drop, and then start charging again.

■ **The wireless charger can be operated when**

The engine switch is in ACC or ON, or the multimedia system is on.

■ **Usable portable devices**

- Qi standard wireless charge standard can be used on compatible devices. However, compatibility with portable devices that comply with Qi Ver. 1.0, 1.2.4 and later versions is not guaranteed.
- Starting with mobile phones and smartphones, it is aimed for low power electrically supplied portable devices of no more than 5W.
- However, charging exceeding 5 W is supported by the following portable devices.
  - Charging at 7.5 W or less is supported by iPhone's that support 7.5 W charging.
  - Charging at 10 W or less is supported by portable devices compliant with EPP output as defined by WPC standard Ver1.2.4.

■ **Using the smart entry & start system**

If the smart entry & start system detects the key while a device is being charged, charging will be temporarily stopped.

■ **When covers and accessories are attached to portable devices**

Do not charge in situations where cover and accessories not able to handle Qi are attached to the portable device. Depending on the type of cover (including the certain genuine manufacture parts) and accessory, it may not be possible to charge. When charging is not performed even with the portable device placed on the charge area, remove the cover and accessories.

■ **While charging, noise enters the AM radio (if equipped)**

- The charging frequency is automatically changed to reduce the noise. When automatically seeking AM radio stations, charging will be suspended to prevent charging noise from being detected as a radio station. Charging will resume automatically when seek tuning is stopped.
- Turn off the wireless charger and confirm that the noise has decreased. If the noise decreases, continuously pushing the power supply switch of the wireless charger for 2 seconds, the frequency of the charger can be changed and the noise can be reduced. Also, on that occasion, the operation indicator light will flash orange 2 times.
- iPhone's use a particular frequency for rapid charging. Depending on the iOS version, rapid charging may not be performed while switching frequencies.

■ **Important points of the wireless charger**

- If the electronic key cannot be detected within the vehicle interior, charging cannot be done. When the door is opened and closed, charging may be temporarily suspended.
- When charging, the wireless charging device and portable device will get warmer, however this is not a malfunction.
  When a portable device gets warm while charging, charging may stop due to the protection function on the portable device side. In this case, when the temperature of the portable device drops significantly, charge again.

The fan may start operating to lower the temperature inside the wireless charger, however this is not a malfunction.

■ **Operation sounds**

A buzzing noise may be heard when pressing the power supply switch to turn the power supply on, when turning the engine switch to ACC or ON while the wireless charger power supply is on, or when detecting a portable device. However, this is not a malfunction.

■ **Situations in which the function may not operate normally**

Devices may not be charged normally in the following situations.

- The portable device is fully charged
- The portable device is being charged with a cable connected
- There is foreign matter between the charge area and portable device
- Charging has caused the portable device to heat up
- The temperature around the charging tray is 35°C (95°F) or higher, such as in extreme heat
- The portable device is placed with its charging side facing up
- When the charging coil for the portable device is misaligned from the charge area
- The portable device is larger than the charging tray
- The small portable device such as foldable type is placed in an area misaligned from the charge area
- The camera lens protrudes 3 mm (0.12 in.) or more from the surface of the portable device
- The vehicle is in an area where strong electrical waves or noise are emitted, such as near a television tower, power plant, gasoline station, broadcasting station, large display, airport, etc.
- Any of the following objects that is 2 mm (0.08 in) or thicker is between the charging side of the portable device and the charge area
  - Thick cases or covers
  - Thick decorations
  - Accessories, such as finger rings, straps, etc.
  - A case or cover with a protruding shape for the lens
  - Cover protecting camera lens
- When the portable device is in contact with, or is covered by any of the following metallic objects:
  - A card that has metal on it, such as aluminum foil, etc.
  - A pack of cigarettes that includes aluminum foil
  - A wallet or bag that is made of metal
  - Coins
  - A heating pad
  - CDs, DVDs or other media
  - A metal accessory
  - A case or cover made of metal
  - Casing which has magnet in it on the charging side of the portable device
- Electric wave type wireless remote controls are being used nearby
- The electronic key is not inside the vehicle
- 2 or more portable devices are placed on the charging tray at the same time
- If a portable device built in S-pen (Galaxy Note series etc.) used, a portable device that inserted S-pen is placed on the tray

If charging is abnormal or the operation indicator light continues to flash for any other reason, the wireless charger may be malfunctioning. Contact your Toyota dealer.

■ **If the smartphone OS has been updated**

If the smartphone OS has been updated to a newer version, its charging specifications may have changed significantly. For details, check the information on the manufacturer's website.

■ **Trademark information**

- iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.
- Galaxy is a trademark or registered trademark of Samsung Electronics Co.,Ltd.

WARNING

■ Caution while driving

When charging a portable device, for safety reasons, the driver should not operate the main part of the portable device while driving.

■ Caution while in motion

Do not charge lightweight devices such as wireless headphones while in motion. These devices are very light and may be ejected from the charging tray, which may lead to unforeseen accidents.

■ Caution regarding interference with electronic devices

People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverters, as well as any other electrical medical device, should consult their physician about the usage of the wireless charger.

■ To prevent malfunctions or burns

Observe the following precautions. Failure to do so may result in a equipment failure and damage, catch fire, burns due to overheat or electric shock.

- Do not insert any metallic objects between the charge area and the portable device while charging
- Do not attach an aluminum sticker or other metallic object to the charge area
- Do not attach an aluminum sticker or other metallic object to the side of the portable device (or to its case or cover) that touches the charge area
- Do not use the charging tray as a small storage space
- Do not subject to a strong force or impact
- Do not disassemble, modify or remove
- Do not charge devices other than specified portable devices
- Keep away from magnetic items
- Do not charge devices if the charge area is covered in dust
- Do not cover with a cloth or similar material

NOTICE

■ To prevent malfunctions and data corruptions

- When charging, bringing a credit, or other magnetic card, or magnetic storage media close to the charge area may clear any stored data due to magnetic influence. Furthermore, the electronic key may not operate due to magnetic interference if the electronic key for the vehicle is placed on the mobile phone terminal while charging or open area of the charging tray. Also, do not bring a wristwatch or other precision instrument close to the charge area since doing so may cause it to malfunction.
- Do not charge with a non-contact IC card such as a transportation system IC card inserted between the charging side of a portable device and the charge area. The IC chip may become extremely hot and damage the portable device or IC card. Be especially careful not to charge a portable device inside a case or cover with a non-contact IC card attached.
- Do not leave portable devices inside the vehicle. The inside of the vehicle can become hot in extreme heat, which could cause a malfunction.

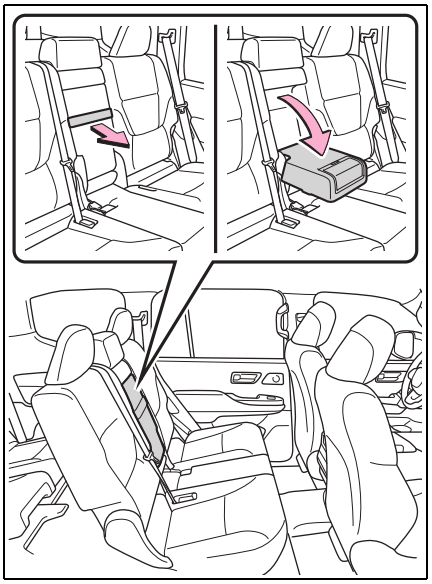
NOTICE

■ **To prevent battery discharge**

Do not use the wireless charger for a long period of time when the engine is stopped.

Armrest (if equipped)

Fold down the armrest for use.



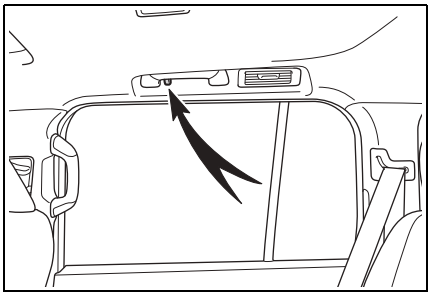
NOTICE

■ **To prevent damage to the armrest**

Do not apply too much load on the armrest.

Coat hooks

The coat hooks are provided with the second seat assist grips.



WARNING

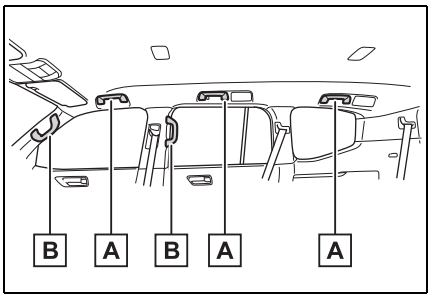
■ **Items that must not be hanged on the hook (vehicles with SRS curtain shield airbags)**

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.

Assist grips

An assist grip (type A) installed on the ceiling can be used to support your body while sitting on the seat.

An assist grip (type B) installed on the pillar can be used when getting in or out of the vehicle and others.



A Assist grip (type A)

B Assist grip (type B)

5

Interior features

WARNING

■ **Assist grips (type A)**

Do not use the assist grip (type A) when getting in or out of the vehicle or rising from your seat.

NOTICE

■ **To prevent damage to the assist grip**

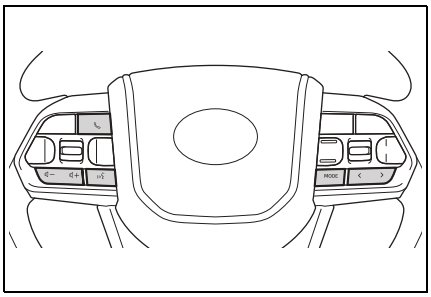
Do not hang any heavy object or put a heavy load on the assist grip.

Using the steering wheel switches

For vehicles with multimedia system, refer to “Multimedia Owner’s Manual” for information regarding the steering wheel switches.

Some audio features can be controlled using the switches on the steering wheel.

Operation may differ depending on the type of audio system or navigation system. For details, refer to the manual provided with the audio system or navigation system.



WARNING

■ **To reduce the risk of an accident**

Exercise care when operating the switches on the steering wheel.

Off-road driving information display screen (if equipped)

Information related to off-road driving is shown on the multimedia display.

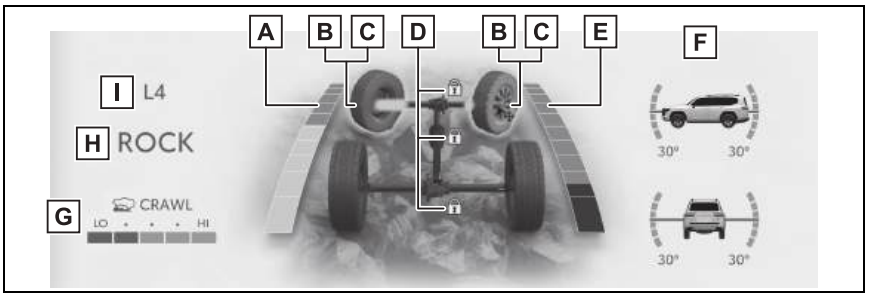
■ **Display procedure**

Press on the main menu, then press “Off-road information” on the sub menu.

For detail regarding the multimedia display, refer to “Multimedia Owner’s Manual”.

■ **Off-road driving information display screen**

▶ When the Multi-terrain Select is turned on



A Brake pedal display

Displays the amount of depression of the brake pedal.

B Front tire direction display

Displays the estimated direction of the front tires.

C Active TRC operation display

The tires with Active TRC operating are shown in orange.

D Differential lock operation display

E Accelerator pedal display

Displays the amount of depression of the accelerator pedal.

F Inclinometer display

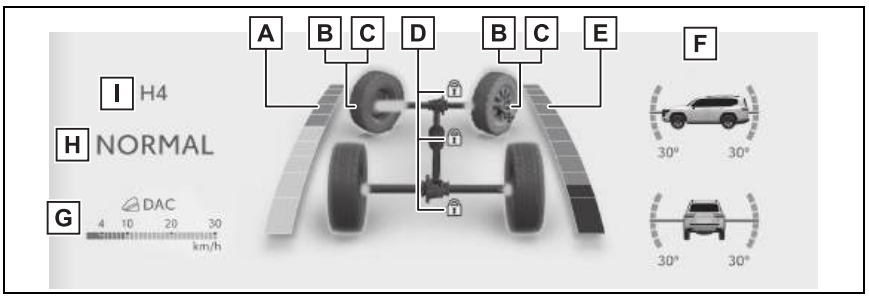
Displays the vertical and horizontal tilt angles of the vehicle.

G Crawl Control mode display
Downhill assist control system set speed display

H Multi-terrain Select mode display

I Transfer mode display

▶ When the Multi-terrain Select is turned off



A Brake pedal display

Displays the amount of depression of the brake pedal.

B Front tire direction display

Displays the estimated direction of the front tires.

C Active TRC operation display

The tires with Active TRC operating are shown in orange.

D Differential lock operation display

E Accelerator pedal display

Displays the amount of depression of the accelerator pedal.

F Inclinometer display

Displays the vertical and horizontal tilt angles of the vehicle.

G Crawl Control mode display
Downhill assist control system set speed display

H Driving mode select display

I Transfer mode display

6-1. Maintenance and care

Cleaning and protecting the vehicle exterior 558

Cleaning and protecting the vehicle interior 562

6-2. Maintenance

Maintenance requirements 565

Scheduled maintenance ...567

6-3. Do-it-yourself maintenance

Do-it-yourself service precautions 577

Hood 579

Engine compartment 580

Draining the fuel filter water (diesel engine only) 595

AdBlue™ 596

Electric winch.....601

Tires.....602

Tire inflation pressure 612

Wheels.....613

Air conditioning filter 615

Electronic key battery 616

Checking and replacing fuses 618

Light bulbs 623

Cleaning and protecting the vehicle exterior

Perform the following to protect the vehicle and maintain it in prime condition:

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.
- Do not use the high-pressure washer too close to the bearings and oil seals of drivetrain system parts (such as the differential gear).

If used too close to such parts, the high water pressure may cause water to enter the parts and grease to be washed out, causing the system performance to decrease.

■ 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.

■ Brake pads and calipers

Rust may form if the vehicle is parked with wet brake pads or disc rotors, causing them to stick. Before parking the vehicle after it is washed, drive slowly and apply the brakes several times to dry the parts.

■ Bumpers and side moldings

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.

■ Note for a smart entry & start system

- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. In that case, follow the following correction procedures to wash the vehicle:
  - Place the key in a position 2 m (6 ft.) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
  - Set the electronic key to battery-saving mode to disable the smart entry & start system. (→P.197)
- 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.

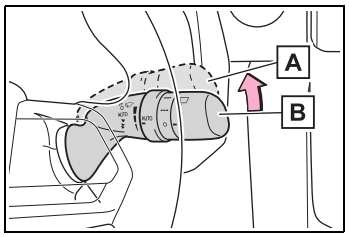
WARNING

■ When washing the vehicle

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components, etc. to catch fire.

■ When cleaning the windshield (vehicles with rain-sensing windshield wipers)

Set the wiper switch to off.
If the wiper switch is in “AUTO”, the wipers may operate unexpectedly in the following situations, and may result in hands being caught or other serious injuries and cause damage to the wiper blades.



A Off

B AUTO

- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

■ Precautions regarding the exhaust pipes

Exhaust gasses cause the exhaust pipes to become quite hot.

When washing the vehicle, be careful not to touch the pipes until they have cooled sufficiently, as touching hot exhaust pipes can cause burns.

WARNING

■ **Precaution regarding the front and rear bumpers (if equipped)**

If the paint of the front or rear bumper is chipped or scratched, the following systems may not function correctly. If this occurs, consult your Toyota dealer.

- Toyota Safety Sense*
- BSM*
- Automatic Rear Flashing Hazard Lights*
- RCTA*
- Safe Exit Assist*
- Rear Vehicle Approaching Indication*
- Secondary Collision Brake (Rear Impacts while Stopped)*
- PKSB*
- Toyota parking assist-sensor*

*: If equipped

NOTICE

■ **To prevent paint deterioration and corrosion on the body and components (aluminum wheels, etc.)**

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If coal tar or tree sap is present on the paint surface
  - If dead insects, insect droppings or bird droppings are present on the paint surface
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
  - If the vehicle becomes heavily soiled with dust or mud
  - If liquids such as benzene and gasoline are spilled on the paint surface
- If the paint is chipped or scratched, have it repaired immediately.
- To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

■ **Cleaning the exterior lights**

- Wash carefully. Do not use organic substances or scrub with a hard brush.
  This may damage the surfaces of the lights.
- Do not apply wax to the surfaces of the lights.
  Wax may cause damage to the lenses.

NOTICE

■ When using an automatic car wash (vehicles with rain-sensing windshield wipers)

Set the wiper switch to off position. If the wiper switch is in “AUTO”, the wipers may operate and the wiper blades may be damaged.

■ When using a high pressure car wash

- When washing the vehicle, do not spray the camera or its surrounding area directly with a high pressure washer. Shock applied from high pressure water may cause the device to not operate normally.
- Vehicles with Toyota Safety Sense: Do not spray water directly on the radar which is equipped behind the radar sensor cover. Otherwise it may cause the device to be damaged.
- Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), connectors or the following parts.
  The parts may be damaged if they come into contact with high-pressure water.
  - Traction related parts
  - Steering parts
  - Suspension parts
  - Brake parts
- Keep the cleaning nozzle at least 30 cm (11.9 in.) away from the vehicle body. Otherwise resin section, such as moldings and bumpers, may be deformed and damaged. Also, do not continuously hold the nozzle in the same place.
- Do not spray the lower part of the windshield continuously. If water enters the air conditioning system intake located near the lower part of the windshield, the air conditioning system may not operate correctly.
- Do not wash the underside of the vehicle using a high pressure car washer.

Cleaning and protecting the vehicle interior

Perform cleaning in a manner appropriate to each component and its material.

Protecting the vehicle interior

- Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with lukewarm water.
- If dirt cannot be removed, wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
  Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

■ Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not use water. Wipe dirty surfaces and let them dry. Excellent results are obtained by keeping the carpet as dry as possible.

■ Handling the seat belts

Clean with mild soap and lukewarm water using a cloth or sponge. Also check the belts periodically for excessive wear, fraying or cuts.

⚠ WARNING

■ Water in the vehicle

- Do not splash or spill liquid in the vehicle.
  Doing so may cause electrical components, etc., to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P.43)
  An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.
- Vehicles with wireless charger:
  Do not let the wireless charger (→P.546) get wet. Failure to do so may cause the charger to become hot and cause burns or could cause electric shock resulting in death or serious injury.

■ Cleaning the interior (especially instrument panel)

Do not use a polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and leading to an accident, resulting in death or serious injury.

⚠ 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

NOTICE

- Do not use a polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

■ Preventing damage to leather surfaces

Observe the following precautions to avoid damage to and deterioration of leather surfaces:

- Remove any dust or dirt from leather surfaces immediately.
- Do not expose the vehicle to direct sunlight for extended periods of time. Park the vehicle in the shade, especially during summer.
- Do not place items made of vinyl, plastic, or containing wax on the upholstery, as they may stick to the leather surface if the vehicle interior heats up significantly.

■ Water on the floor

Do not wash the vehicle floor with water.
Vehicle systems such as the audio system may be damaged if water comes into contact with electrical components such as the audio system above or under the floor of the vehicle. Water may also cause the body to rust.

■ When cleaning the inside of the windshield (vehicles with Toyota Safety Sense)

Do not allow glass cleaner to contact the lens. Also, do not touch the lens. (→P.307)

■ Cleaning the inside of the rear quarter windows and rear window

- Do not use glass cleaner to clean the rear quarter windows and rear window, as this may cause damage to the rear window defogger heater wires or antenna. Use a cloth dampened with lukewarm water to gently wipe the window clean. Wipe the window in strokes running parallel to the heater wires or antenna.
- Be careful not to scratch or damage the heater wires or antenna.

Cleaning the areas with satin-finish metal accents

- Remove dirt using a water-dampened soft cloth or synthetic chamois.
- Wipe the surface with a dry soft cloth to remove any remaining moisture.

■ Cleaning the areas with satin-finish metal accents

The metal areas use a layer of real metal to the surface. It is necessary to clean them regularly. If dirty areas are left uncleaned for long period of time, they may be difficult to clean.

Cleaning the leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe off any excess dirt and dust with a soft cloth dampened with diluted detergent.

Use a diluted water solution of approximately 5% neutral wool detergent.

- Wring out any excess water from

the cloth and thoroughly wipe off all remaining traces of detergent.

- Wipe the surface with a dry, soft cloth to remove any remaining moisture. Allow the leather to dry in a shaded and ventilated area.

Caring for leather areas

Toyota recommends cleaning the interior of the vehicle at least twice a year to maintain the quality of the vehicle's interior.

Cleaning the synthetic leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
- Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

When cleaning the suede-like fabric (if equipped)

- 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 with water to approximately 1%. When dry, use a lint brush or similar tool to smooth out the fur.

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 battery

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P.589)

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 the maintenance service?

It makes good sense to take your vehicle to your local Toyota dealer for the maintenance service as well as other inspections and repairs.

Toyota technicians are well-trained specialists receiving the latest service information through technical bulletins, service tips and in-dealership training programs. They learn to work on Toyota before they work on your vehicle, rather than while they are working on it. Doesn't that seem like the best way?

Your Toyota dealer has invested a lot of money in special Toyota tools and service equipment. It helps them to do the job better and at less cost.

Your Toyota dealer's service department will perform all of the scheduled maintenance on your vehicle reliably and economically.

Rubber hoses (for cooling and heater system, brake system and fuel system) should be inspected by a qualified technician according to the Toyota maintenance schedule.

Rubber hoses are particularly important maintenance items. Have any deteriorated or damaged hoses replaced immediately. Note that rubber hoses will deteriorate with age, resulting in swelling, chafing or cracking.

Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many of the maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools.
Simple instructions for how to perform them are presented in this section.
Note, however, that some maintenance tasks require special tools and skills.

These are best performed by qualified technicians. Even if you are an experienced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by your Toyota dealer who will keep a record of maintenance on your vehicle. This record could be helpful should you ever require Warranty Service.

Does your vehicle need repairs?

Be on the alert for changes in performance and sounds, and visual tip-offs that indicate service is needed. Some important clues are:

- Engine missing, stumbling or pinging
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning system after use is normal.)
- Change in exhaust sound (This may indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)
- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driven straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal, pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal (→P.130, 135)
- Engine continually runs hot, oil pressure gauge stays low

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”.)

A. Road Conditions 1. Operating on rough or muddy roads, or roads with melted snow. 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.) 3. Operating on road which has road salt applied. 4. Diesel engine: Very dusty environments (mining/construction sites or unsealed roads).	B. Driving Conditions 1. Heavily loaded vehicle. (Example: Towing a trailer (with towing hitch), using a camper, using a car top carrier, etc.) 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.) 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. 4. Continuous high speed driving (80% or more of maximum vehicle speed) for over 2 hours.

Maintenance schedule

Maintenance operations:

I = Inspect, correct or replace as necessary

R = Replace, change or lubricate

L = Lubricate

T = Tighten to specified torque

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	
BASIC ENGINE COMPONENTS												
1	Drive belts	Gasoline engine			I		I		I		I	24
		Diesel engine	Inspect at first 100000 km (60000 miles) or 72 months, after 100000 km (60000 miles) inspect every 20000 km (12000 miles) or 12 months									
2	Engine oil	1GR-FE engine		R	R	R	R	R	R	R	R	12
		V35A-FTS engine	Replace when the maintenance reminder appears. <<See note 1.>>									
		F33A-FTV engine	Replace when the maintenance reminder appears. <<See notes 2 and 3.>>									
3	Engine oil filter	1GR-FE engine		R	R	R	R	R	R	R	R	12
		V35A-FTS engine	Replace when the maintenance reminder appears. <<See note 1.>>									
		F33A-FTV engine	Replace when the maintenance reminder appears. <<See notes 2 and 4.>>									
4	Cooling and heater system <<See note 5.>>						I				I	24
5	Engine coolant (including inter-cooler coolant) <<See note 6.>>						I				I	-
6	Engine oil cooler hoses and connections (1GR-FE engine) <<See note 5.>>						I				I	24
7	Exhaust pipes and mountings				I		I		I		I	12
IGNITION SYSTEM												
8	Spark plugs	1GR-FE engine	Replace every 100000 km (60000 miles)									-
		V35A-FTS engine							R			-
9	DPF hoses for checking exhaust pressure (diesel engine with DPF system)		-									R: 36

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	
10	Battery		I	I	I	I	I	I	I	I	12
FUEL AND EMISSION CONTROL SYSTEMS											
11	Fuel filter (gasoline engine)		-								96
12	Fuel injection system (gasoline engine) <<See notes 7, 8 and 9.>>		Add injector cleaner to the fuel tank every 10000 km (6000 miles).								-
13	Water sediment accumulator (diesel engine)		I	I	I	I	I	I	I	I	12
14	Air cleaner filter (including checking pre-air cleaner, if equipped)	Gasoline engine		I		R		I		R	I: 24 R: 48
		Diesel engine for Russia	I	I	R	I	I	R	I	I	I: 12 R: 36
		Diesel engine except for Russia	Inspect every 5000 km (3000 miles) Replace every 30000 km (18000 miles)								I: 6 R: 36
15	Air flow meter (diesel engine)	For Russia	Blow air to the sensor intermittently for about 30 seconds every 10000 km (6000 miles) or 6 months.								
		For Argentina	Blow air to the sensor intermittently for about 30 seconds every 10000 km (6000 miles) or 12 months.								
16	Diesel smoke (diesel engine)					I				I	48
17	Fuel tank cap, fuel lines, connections and fuel vapor control valve (gasoline engine) <<See note 5.>>					I				I	24
18	Fuel tank cap, fuel lines and connections (diesel engine) <<See note 5.>>					I				I	24

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	
19	Charcoal canister (gasoline engine)					I				I	24
CHASSIS AND BODY											
20	Brake pedal and parking brake <<See note 10.>>		I	I	I	I	I	I	I	I	6
21	Brake pads and discs		I	I	I	I	I	I	I	I	6
22	Brake fluid		I	I	I	R	I	I	I	R	I: 6 R: 24
23	Brake pipes and hoses			I		I		I		I	12
24	Vacuum pump (diesel engine)		Inspect every 200000 km (120000 miles)								-
25	Power steering fluid		I	I	I	I	I	I	I	I	6
26	Steering wheel, linkage and steering gear box		I	I	I	I	I	I	I	I	6
27	Propeller shafts grease <<See notes 11 and 12.>>		L	L	L	L	L	L	L	L	6
28	Propeller shaft bolts		T	T	T	T	T	T	T	T	6
29	Propeller shaft boots		I	I	I	I	I	I	I	I	6
30	Drive shaft boots			I		I		I		I	24
31	Suspension ball joints and dust covers		I	I	I	I	I	I	I	I	6
32	Automatic transmission fluid					I				I	24
33	Automatic transmission fluid cooler hoses and connections					I				I	24
34	Transfer oil					I				I	48
35	Front differential oil			I		R		I		R	I: 12 R: 48
36	Rear differential oil			I		R		I		R	I: 12 R: 48

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	
37	Front and rear suspensions		I	I	I	I	I	I	I	I	6
38	Tires and inflation pressure		I	I	I	I	I	I	I	I	6
39	Lights, horn, wipers and washers		I	I	I	I	I	I	I	I	6
40	Air conditioning filter			R		R		R		R	-

NOTE:

1. Replace both the engine oil and oil filter, even when the maintenance reminder does not appear, after 12 months have passed, or when driven over 10000 km (6000 miles) since the last oil change. This may cause the maintenance reminder appear even when driven less than 10000 km (6000 miles). Replace both engine oil and oil filter every 5000 km (3000 miles) or 6 months, in which the vehicle is mainly driven in dirt or dusty roads, when the maintenance reminder does not appear.

2. For Argentina, Ukraine, Belarus, Armenia, Uzbekistan, Kazakhstan, Kyrgyzstan, Russia, Lesotho, Botswana, Namibia, South Africa, Bahrain, Qatar, Kuwait, United Arab Emirates, Oman, India, Fiji, and Philippines: Replace both the engine oil and oil filter even when the maintenance reminder does not appear, after 12 months have passed, or when you have driven over 10000 km (6000 miles) since the last oil change. Replace both engine oil and oil filter every 5000 km (3000 miles) or 6 months, in which the vehicle is mainly driven in dirt or dusty roads, even when the maintenance reminder does not appear.

3. Except for Argentina, Ukraine, Belarus, Armenia, Uzbekistan, Kazakhstan, Kyrgyzstan, Russia, Lesotho, Botswana, Namibia, South Africa, Bahrain, Qatar, Kuwait, United Arab Emirates, Oman, India, Fiji, and Philippines: Replace the engine oil even when the maintenance reminder does not appear, after 6 months have passed, or when you have driven over 5000 km (3000 miles) since the last oil change. Replace the engine oil every 2500 km (1500 miles) or 3 months, in which the vehicle is mainly driven in dirt or dusty roads, even when the maintenance reminder does not appear.

4. Except for Argentina, Ukraine, Belarus, Armenia, Uzbekistan, Kazakh-

stan, Kyrgyzstan, Russia, Lesotho, Botswana, Namibia, South Africa, Bahrain, Qatar, Kuwait, United Arab Emirates, Oman, India, Fiji, and Philippines: Replace the engine oil filter even when the maintenance reminder does not appear, after 6 months have passed, or when you have driven over 5000 km (3000 miles) since the last oil change.

5. After 80000 km (48000 miles) or 48 months inspection, inspect every 20000 km (12000 miles) or 12 months.

6. First replace at 160000 km (96000 miles), then replace every 80000 km (48000 miles).

7. 1GR-FE engine: For Bolivia, Azerbaijan, Armenia, Kyrgyzstan, Tajikistan, Angola, Cameroon, Eritrea, Chad, the Republic of the Congo, Benin, Djibouti, Ethiopia, Somalia, Guinea, Cote d'Ivoire, Liberia, Libya, Madagascar, Mali, Nigeria, Guinea-Bissau, the Democratic Republic of the Congo, Rwanda, Sierra Leone, the Central African Republic, Senegal, Sudan, Togo, Egypt, Burkina Faso, Equatorial Guinea, the Gambia, Mauritania, Burundi, Niger, South Sudan, Iraq, Bahrain, Qatar, Kuwait, the United Arab Emirates, Yemen, Saudi Arabia, Oman, and Mongolia only.

8. V35A-FTS engine: For Guatemala, Honduras, Nicaragua, Panama, El Salvador, Bolivia, Azerbaijan, Armenia, Kyrgyzstan, Tajikistan, Turkmenistan, Angola, Lesotho, Botswana, Cameroon, Eritrea, Chad, the Republic of the Congo, Benin, Djibouti, Ethiopia, Somalia, Zambia, Guinea, Cote d'Ivoire, Kenya, Liberia, Libya, Madagascar, Mali, Malawi, Mauritius, Seychelles, Mozambique, Nigeria, Guinea-Bissau, Namibia, the Democratic Republic of the Congo, Rwanda, Sierra Leone, the Central African Republic, Senegal, Sudan, Tanzania, Swaziland, Togo, Uganda, Egypt, Burkina Faso, Equatorial Guinea, Cabo Verde, the Gambia, Mauritania, Burundi, Niger, Zimbabwe, the Comoros, South Sudan, Iraq, Bahrain, Qatar, Kuwait, the United Arab Emirates, Yemen, Saudi Arabia, Bangladesh, Oman, Pakistan, Mongolia and Micronesia only.

9. Toyota genuine fuel injector cleaner or equivalent.

10. Parking brake inspection is not necessary.

11. Lubricate within 24 hours after submerging.

12. With grease fitting only.

Additional maintenance schedule

Refer to the following table for normal maintenance schedule items requir-

ing more frequent service specific to the type of severe conditions. (For outline, see “Maintenance schedule requirements”.)

A-1: Operating on rough or muddy roads, or roads with melted snow or waterlogged roads.	
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 drive shaft boots	Every 10000 km (6000 miles) or 12 months
Replacement of transfer oil	Every 40000 km (24000 miles) or 48 months
Lubrication of propeller shafts <<See notes 1 and 2.>>	Every 5000 km (3000 miles) or 3 months
Tightening of propeller shaft bolts	Every 5000 km (3000 miles) or 3 months
Inspection* of propeller shaft boots	Every 5000 km (3000 miles) or 3 months
Inspection* of steering wheel, linkage and steering gear box	Every 5000 km (3000 miles) or 3 months
Inspection* of front and rear suspensions	Every 5000 km (3000 miles) or 3 months
Tightening of bolts and nuts on chassis and body <<See note 3.>>	Every 10000 km (6000 miles) or 6 months

*: Perform correction or replacement as necessary.

A-2: Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)	
Replacement of engine oil (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months
Replacement of engine oil filter (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months

A-2: Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)	
Inspection* or replacement of air cleaner filter (including checking pre-air cleaner, if equipped)	▶ Gasoline engine I: Every 10000 km (6000 miles) or 12 months R: Every 40000 km (24000 miles) or 48 months ▶ Diesel engine for Russia I: Every 5000 km (3000 miles) or 6 months R: Every 30000 km (18000 miles) or 36 months ▶ Diesel engine except for Russia I: Every 2500 km (1500 miles) or 3 months R: Every 30000 km (18000 miles) or 36 months
Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months
Replacement of transfer oil	Every 40000 km (24000 miles) or 48 months
Lubrication of propeller shafts <<See notes 1 and 2.>>	Every 5000 km (3000 miles) or 3 months
Tightening of propeller shaft bolts	Every 5000 km (3000 miles) or 3 months
Inspection* of propeller shaft boots	Every 5000 km (3000 miles) or 3 months
Replacement of air conditioning filter	Every 15000 km (9000 miles)

*: Perform correction or replacement as necessary.

A-3: Operating on road which has road salt applied.	
Lubrication of propeller shafts <<See notes 1 and 2.>>	Every 5000 km (3000 miles) or 3 months
Tightening of propeller shaft bolts	Every 5000 km (3000 miles) or 3 months
Inspection* of propeller shaft boots	Every 5000 km (3000 miles) or 3 months

*: Perform correction or replacement as necessary.

A-4: Diesel engine: Very dusty environments (mining/construction sites or unsealed roads).	
Cleaning of air flow meter	▶ Except for Argentina Blow air to the sensor intermittently for about 30 seconds every 5000 km (3000 miles) or 3 months ▶ For Argentina Blow air to the sensor intermittently for about 30 seconds every 5000 km (3000 miles) or 6 months

B-1: Heavily loaded vehicle. (Example: Towing a trailer (with towing hitch), using a camper, using a car top carrier, etc.)	
Replacement of engine oil (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months
Replacement of engine oil filter (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months
Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months
Inspection* or replacement of automatic transmission fluid	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months
Replacement of transfer oil	Every 40000 km (24000 miles) or 48 months
Replacement of front differential oil	Every 20000 km (12000 miles) or 24 months
Replacement of rear differential oil	Every 20000 km (12000 miles) or 24 months
Lubrication of propeller shafts <<See notes 1 and 2.>>	Every 5000 km (3000 miles) or 3 months
Tightening of propeller shaft bolts	Every 5000 km (3000 miles) or 3 months
Inspection* of propeller shaft boots	Every 5000 km (3000 miles) or 3 months
Inspection* of front and rear suspensions	Every 5000 km (3000 miles) or 3 months
Tightening of bolts and nuts on chassis and body <<See note 3.>>	Every 10000 km (6000 miles) or 6 months

*: Perform correction or replacement as necessary.

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.)	
Replacement of engine oil (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months
Replacement of engine oil filter (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months

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.	
Replacement of engine oil (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months
Replacement of engine oil filter (1GR-FE engine)	Every 5000 km (3000 miles) or 6 months
Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months
Inspection* or replacement of automatic transmission fluid	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months

*: Perform correction or replacement as necessary.

B-4: Continuous high speed driving (80% or more of maximum vehicle speed) for over 2 hours.	
Inspection* or replacement of automatic transmission fluid	I: Every 40000 km (24000 miles) or 24 months R: Every 80000 km (48000 miles) or 48 months
Replacement of transfer oil	Every 40000 km (24000 miles) or 48 months
Replacement of front differential oil	Every 20000 km (12000 miles) or 24 months
Replacement of rear differential oil	Every 20000 km (12000 miles) or 24 months

*: Perform correction or replacement as necessary.

NOTE:

1. Lubricate within 24 hours after submerging.
2. With grease fitting only.
3. For seat mounting bolts, suspension member retaining bolts and leaf springs retaining U bolts.

Do-it-yourself service precautions

If you perform maintenance by yourself, be sure to follow the correct procedure as given in these sections.

Maintenance

Items	Parts and tools
Battery condition (→P.589)	• Warm water • Baking soda • Grease • Conventional wrench (for terminal clamp bolts) • Distilled water
Electric winch (if equipped) (→P.601)	• Grease • Automatic transmission fluid
Engine coolant/intercooler coolant level (if equipped) (→P.587)	• “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology “Toyota Super Long Life Coolant” is premixed with 50% coolant and 50% deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P.584)	• “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)
Fuses (→P.618)	• Fuse with same amperage rating as original
Light bulbs (→P.623)	• Bulb with same number and wattage rating as original • Phillips-head screwdriver • Flathead screwdriver • Wrench
Engine radiator, condenser and intercooler radiator (if equipped) (→P.588)	—
Tire inflation pressure (→P.612)	• Tire pressure gauge • Compressed air source
Washer fluid (→P.592)	• Water or washer fluid containing antifreeze (for winter use) • Funnel (used only for adding water or washer fluid)

WARNING

The engine compartment contains many mechanisms and fluids that may move suddenly, become hot, or become electrically energized. To avoid death or serious injury, observe the following precautions.

■ When working on the engine compartment

- Keep hands, clothing and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, engine radiator, exhaust manifold, etc., right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.
- Be extremely cautious when working on the battery. It contains poisonous and corrosive sulfuric acid.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately. If you still experience discomfort, consult a doctor.

■ When working near the cooling fan or radiator grille

Be sure the engine switch is off. With the engine switch in ON, the cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high.
(→P.588)

■ When working on or under the vehicle

Do not get under the vehicle with just the jack supporting it. Always use automotive jack stands or other solid supports.

■ Safety glasses

Wear safety glasses to prevent flying or falling material, fluid spray, etc., from getting in your eyes.

NOTICE

■ If you remove the air cleaner filter

Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

■ If the fluid level is low or high

It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.
If the reservoir needs frequent refilling, it may indicate a serious problem.

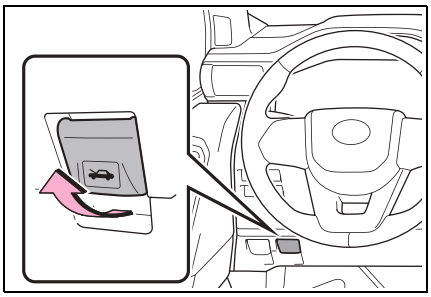
Hood

Release the lock from the inside of the vehicle to open the hood.

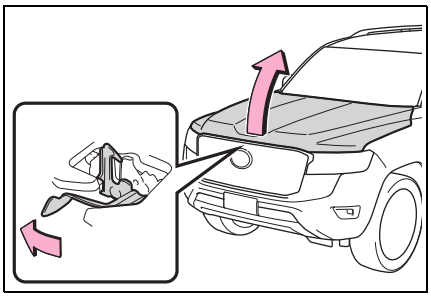
Opening the hood

1 Pull the hood lock release lever.

The hood will pop up slightly.



2 Pull up the auxiliary catch lever and lift the hood.



WARNING

■ To prevent a injuries

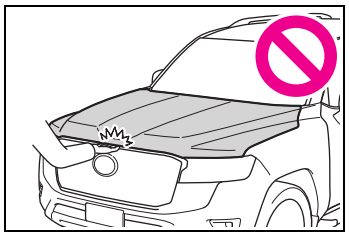
The engine compartment may be hot after driving the vehicle. Touching hot parts may lead to burns or other serious injuries.

■ 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.

■ When closing the hood

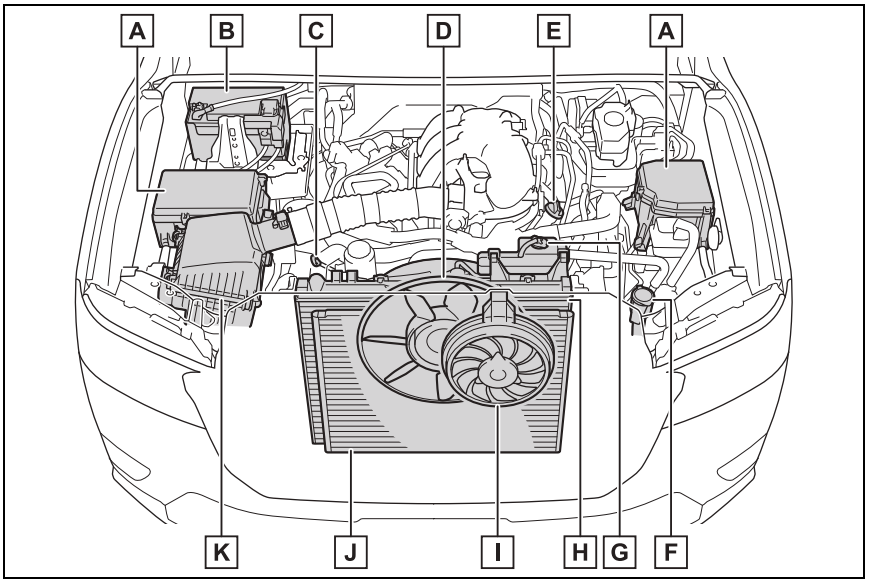
When closing the hood, take extra care to prevent your fingers etc. from being caught.



Engine compartment

Components

▶ 1GR-FE engine



A Fuse boxes (→P.618)

B Battery (→P.589)

C Engine oil level dipstick (→P.584)

D Radiator cooling fan (→P.588)

E Engine oil filler cap (→P.586)

F Washer fluid tank (→P.592)

G Engine coolant reservoir (→P.587)

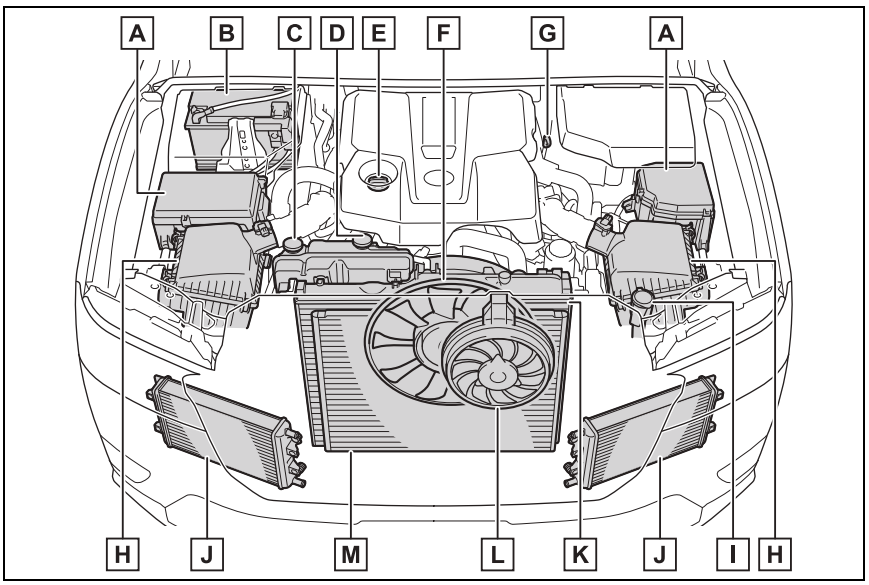
H Engine radiator (→P.588)

I Electric cooling fan (if equipped)

J Condenser (→P.588)

K Air cleaner (→P.592)

▶ V35A-FTS engine



A Fuse boxes (→P.618)

B Battery (→P.589)

C Intercooler coolant reservoir (→P.587)

D Engine coolant reservoir (→P.587)

E Engine oil filler cap (→P.586)

F Radiator cooling fan (→P.588)

G Engine oil level dipstick (→P.584)

H Air cleaners (→P.592)

I Washer fluid tank (→P.592)

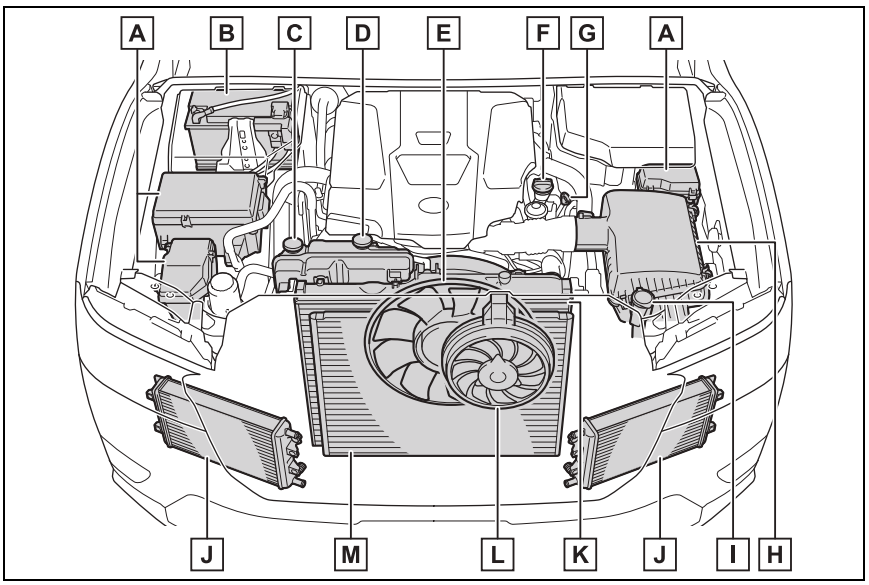
J Intercooler radiators (→P.588)

K Engine radiator (→P.588)

L Electric cooling fan (if equipped)

M Condenser (→P.588)

▶ F33A-FTV engine



A Fuse boxes (→P.618)

B Battery (→P.589)

C Intercooler coolant reservoir (→P.587)

D Engine coolant reservoir (→P.587)

E Radiator cooling fan (→P.588)

F Engine oil filler cap (→P.586)

G Engine oil level dipstick (→P.584)

H Air cleaner (→P.592)

I Washer fluid tank (→P.592)

J Intercooler radiators (→P.588)

K Engine radiator (→P.588)

L Electric cooling fan (if equipped)

M Condenser (→P.588)

WARNING

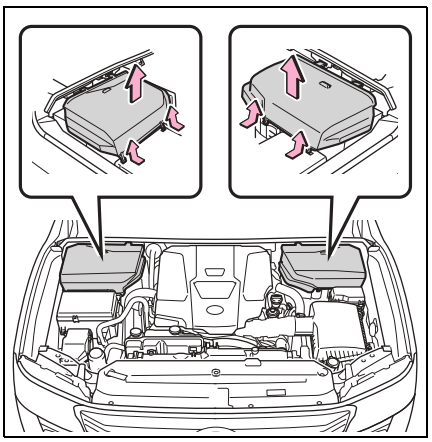
■ **When the engine is hot (F33A-FTV engine)**

Do not touch the engine cover as it become very hot and cause serious injuries, such as burns.

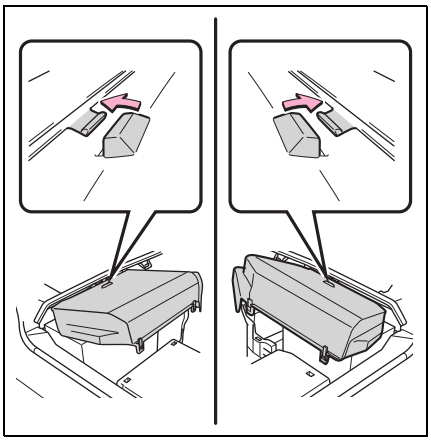
Engine compartment cover (if equipped)

■ Keep the engine compartment cover opened

1 Push the tab in and pull the lock release, and lift the cover.

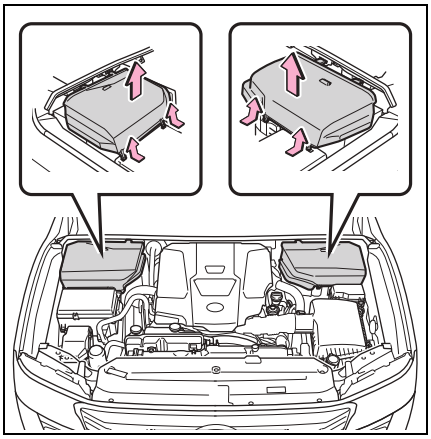


2 Install the cover as shown in the illustration.

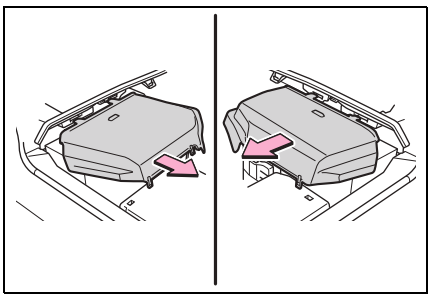


■ Removing the engine compartment cover

1 Push the tab in and pull the lock release, and lift the cover.

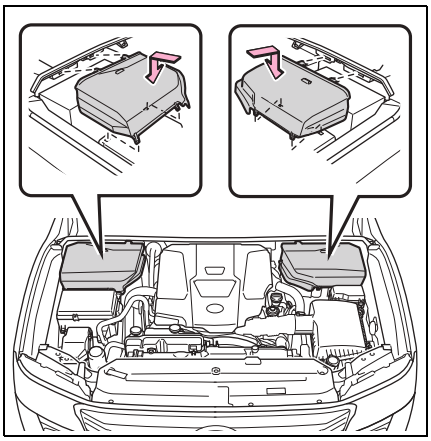


2 Pull the cover toward the front of the vehicle to remove it.



■ **Installing the engine compartment cover**

Install the cover as shown in the illustration.



NOTICE

■ **After installing an engine compartment cover**

Make sure the cover is securely installed in its original position.

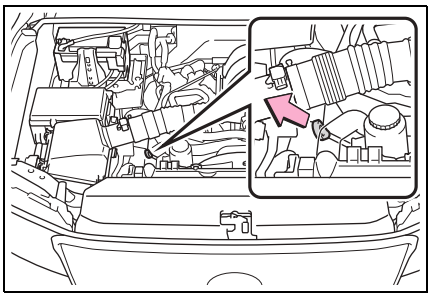
Checking the engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

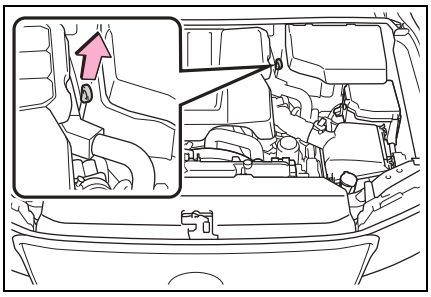
1 Park the vehicle on level ground. After warming up the engine and turning off the engine, wait about 5 minutes for the oil to drain back into the bottom of the engine.

2 Holding a rag under the end, pull the dipstick out.

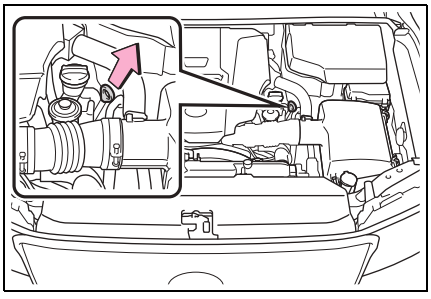
▶ 1GR-FE engine



▶ V35A-FTS engine



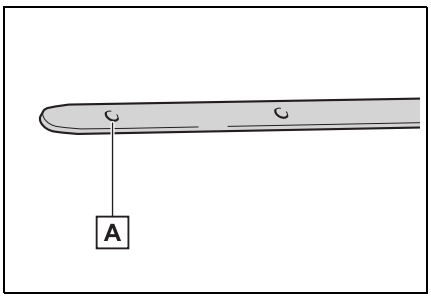
▶ F33A-FTV engine



3 Wipe the dipstick clean.

4 Reinsert the dipstick fully.

5 Holding a rag under the end, pull the dipstick out and check whether the oil level is above low level mark.



A Low level mark

The shape of the dipstick may differ depending on the type of vehicle or engine.

6 Wipe the dipstick and reinsert it fully.

NOTICE

■ To prevent serious engine damage

Check the oil level on a regular basis.

■ Engine oil consumption

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine
- If low quality oil or oil of an inappropriate viscosity is used
- When driving at high engine speeds or with a heavy load, when towing, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic

■ Engine oil level rise

If the vehicle is repeatedly driven without the engine warmed up, moisture caused by dew condensation inside the engine or fuel which did not burn mixes into the engine oil, resulting in a rise in engine oil level. However, this is not a malfunction.
For example, the engine become difficult to be warmed up in the following situations.

- When driving a short distance
- When driving at a low speed
- When the outside temperature is low

When checking the engine oil, make sure that the engine is warmed up. If the engine oil level exceeds the refill upper limit mark, contact your Toyota dealer.

Adding engine oil

■ Checking the oil type and preparing the items needed

Make sure to check the oil type and prepare the items needed before adding oil.

- Engine oil selection

→P.687, 688, 689

- Oil quantity (Low level mark → Refill upper limit mark)

1GR-FE engine:
1.7 L (1.8 qt., 1.5 Imp.qt.)
V35A-FTS engine:
1.5 L (1.6 qt., 1.3 Imp.qt.)
F33A-FTV engine:
2.1 L (2.2 qt., 1.8 Imp.qt.)

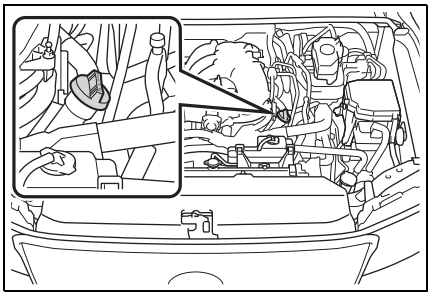
- Items

Clean funnel

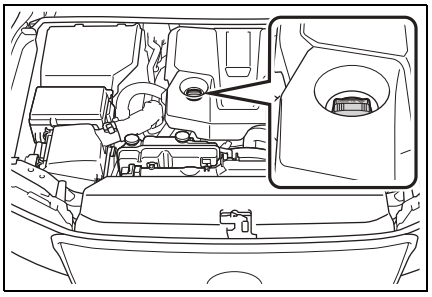
■ **Adding engine oil**

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.

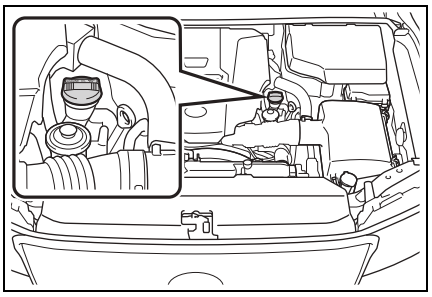
▶ 1GR-FE engine



▶ V35A-FTS engine



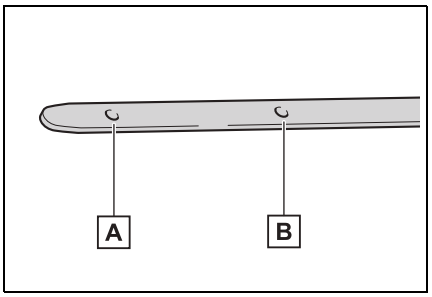
▶ F33A-FTV engine



1 Remove the oil filler cap by turning it counterclockwise.

2 Add engine oil slowly, checking the dipstick.

Make sure that the oil level does not exceed the refill upper limit mark and is between the low level mark and refill upper limit mark.



A Low level mark

B Refill upper limit mark

3 Install the oil filler cap by turning it clockwise.

■ **After changing the engine oil (if equipped)**

The engine oil maintenance data should be reset. Perform the following procedures:

1 Select in screen of the multi-information display, and then press and hold OK.

2 Select “Oil Maintenance” and then press OK.

3 Select “Yes” and then press OK.

“Reset complete” will be displayed 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.

NOTICE

■ When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

■ After changing the engine oil (if equipped)

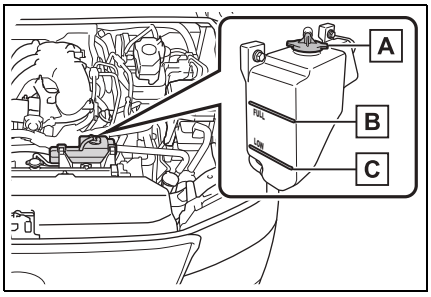
Make sure to reset the engine oil maintenance data. If it is not reset, the next maintenance timing will not be displayed properly.

Checking the coolant

■ Engine coolant reservoir

▶ 1GR-FE engine

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

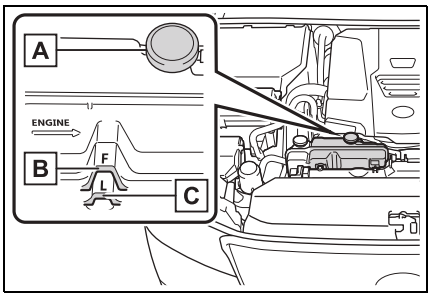
B “FULL” line

C “LOW” line

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P.674)

▶ V35A-FTS and F33A-FTV engines

The coolant level is satisfactory if it is between the “F” and “L” lines on the reservoir when the engine is cold.



A Reservoir cap

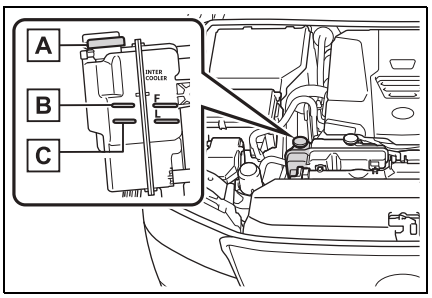
B “F” line

C “L” line

If the level is on or below the “L” line, add coolant up to the “F” line. (→P.674)

■ **Intercooler coolant reservoir (if equipped)**

The coolant level is satisfactory if it is between the “F” and “L” lines on the reservoir when the engine is cold.



A Reservoir cap

B “F” line

C “L” line

If the level is on or below the “L” line, add coolant up to the “F” line. (→P.674)

■ **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. (Enabled: -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 engine radiator, hoses, engine coolant reservoir cap, radiator cap (if equipped), intercooler radiator (if equipped), intercooler coolant reservoir cap (if equipped), drain cock and water pump.

If you cannot find a leak, have your Toyota dealer, test the cap and check for leaks in the cooling system.

WARNING

■ **When the engine is hot**

Do not remove the radiator cap (if equipped), the engine coolant reservoir cap or intercooler coolant reservoir cap (if equipped).
The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

NOTICE

■ **When adding coolant**

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

■ **If you spill coolant**

Be sure to wash it off with water to prevent it from damaging parts or paint.

Checking the engine radiator, condenser and intercooler radiator (if equipped)

Check the engine radiator, condenser and intercooler radiator (if equipped) and clear any foreign objects. If any of the above parts

are extremely dirty or you are not sure of their condition, have your vehicle inspected by your Toyota dealer.

WARNING

■ When the engine is hot

Do not touch the engine radiator, condenser or intercooler radiator (if equipped) as they may be hot and cause serious injuries, such as burns.

Checking the battery

Check the battery as follows.

■ Caution symbols

The meanings of each caution symbol on the top of the battery are as follows:

	No smoking, no naked flames, no sparks
	Shield eyes
	Keep away from children
	Battery acid
	Note operating instructions
	Explosive gas

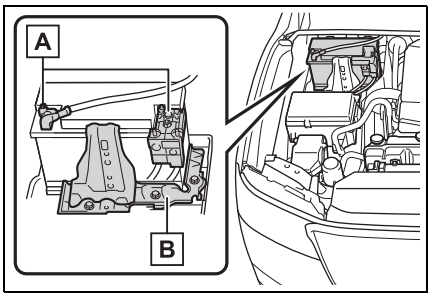
■ Keep the engine compartment cover opened or removing the cover (if equipped)

→P.583

■ Battery exterior

Make sure that the battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.

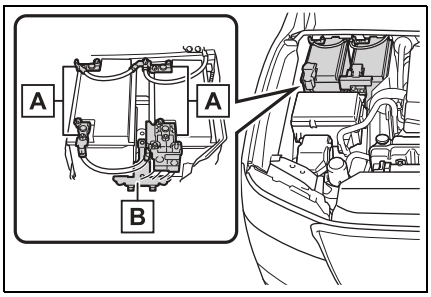
▶ Type A



A Terminals

B Clamp

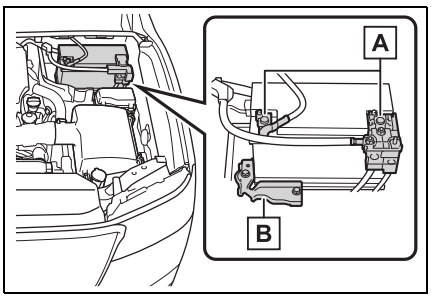
▶ Type B



A Terminals

B Clamp

▶ Type C

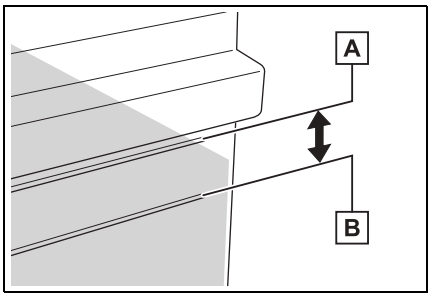


A Terminals

B Clamp

■ **Checking battery fluid**

Check that the level is between the upper and lower lines.



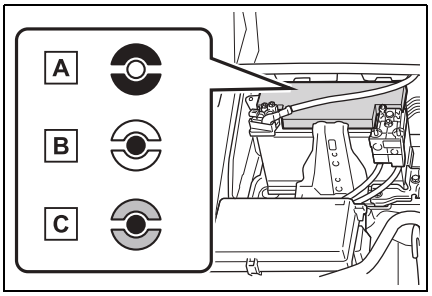
A Upper line

B Lower line

If the fluid level is at or below the lower line, add distilled water.

■ **Checking the battery condition (vehicles with battery indicator)**

Check the battery condition by indicator color.



A Red and clear: Insufficient fluid level. Have the battery checked by your Toyota dealer.

B Clear and red: Charging is necessary. Have the vehicle inspected by your Toyota dealer.

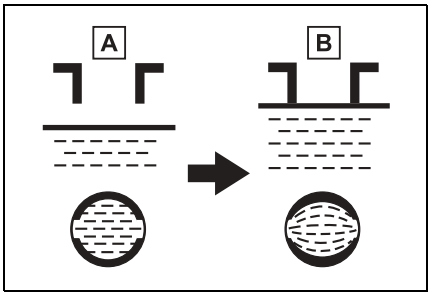
C Blue and red: Good condition

■ **Adding distilled water**

1 Remove the vent plug.

2 Add distilled water.

If the upper line cannot be seen, check the fluid level by looking directly at the cell.



A LOW

B O.K.

3 Put the vent plug back on and close it securely.

■ Install the engine compartment cover (if equipped)

→P.583

■ Before recharging

When recharging, the battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following precautions before recharging:

- If recharging with the battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the battery.

■ After recharging/reconnecting the battery

The engine 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 engine.

- Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the engine with the engine switch in ACC*. The engine may not start with the engine switch turned off. However, the engine will operate normally from the second attempt.
- The engine switch mode is recorded by the vehicle. If the battery is reconnected, the vehicle will return the engine switch mode to the status it was in before the battery was disconnected. Make sure to turn off the engine before disconnect the battery. Take extra care when connecting the battery if the engine switch mode prior to discharge is unknown.

If the engine will not start even after multiple attempts, contact your Toyota dealer.

*: ACC mode can be enabled/disabled on the customize menu. (vehicles with navigation system) (→P.711)

WARNING

■ Chemicals in the battery

A battery contains poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the battery:

- Do not cause sparks by touching the battery terminals with tools.
- Do not smoke or light a match near the battery.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the battery.
- Keep children away from the battery.

■ Where to safely charge the battery

Always charge the battery in an open area. Do not charge the battery in a garage or closed room where there is not sufficient ventilation.

■ Emergency measures regarding electrolyte

- If electrolyte gets in your eyes
  Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.

WARNING

- If electrolyte gets on your skin
  Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
  It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
  Drink a large quantity of water or milk. Get emergency medical attention immediately.

NOTICE

When recharging the battery

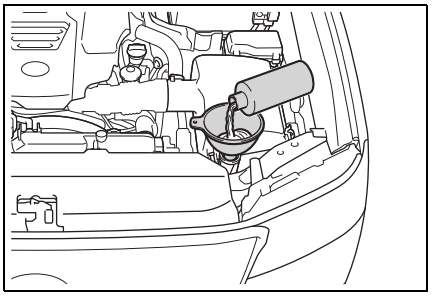
Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

When adding distilled water

Avoid overfilling. Water spilled during battery recharging may cause corrosion.

Adding the washer fluid

If any washer does not work or “Windshield Washer Fluid Low” is shown 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 engine is hot or running as washer fluid contains alcohol and may catch fire if spilled on the engine, etc.

NOTICE

Do not use any fluid other than washer fluid

Do not use soapy water or engine antifreeze instead of washer fluid. Doing so may cause streaking on the vehicle’s painted surfaces, as well as damaging the pump leading to problems of the washer fluid not spraying.

Diluting washer fluid

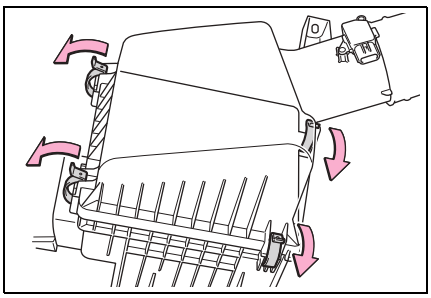
Dilute washer fluid with water as necessary.
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

Checking the air cleaner filter

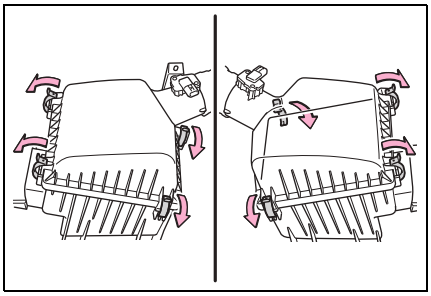
Check the air cleaner filter as follows:

1. Use compressed air to remove dust or sand etc. from the area surrounding the air cleaner filter case.
2. Release the clips.

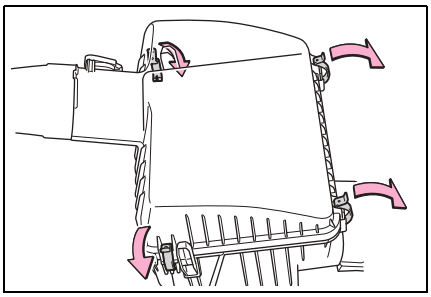
▶ 1GR-FE engine



▶ V35A-FTS engine



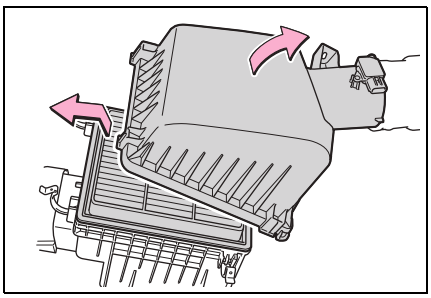
▶ F33A-FTV engine



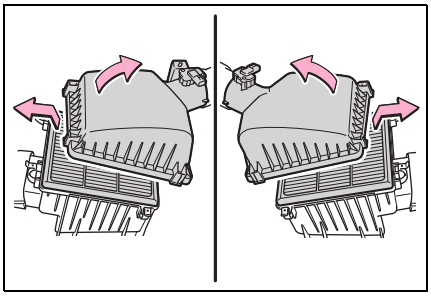
3 Lift the cover and take out the air cleaner filter.

Inspect the outer surface of the filter, and replace the filter if it is extremely dirty. If the filter is only moderately dusty, use compressed air to blow dust out of the filter.

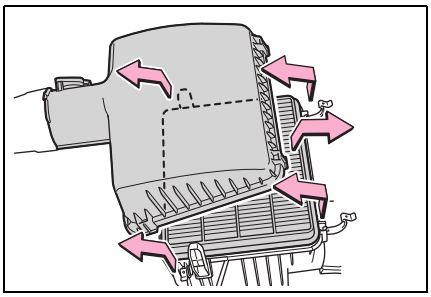
▶ 1GR-FE engine



▶ V35A-FTS engine

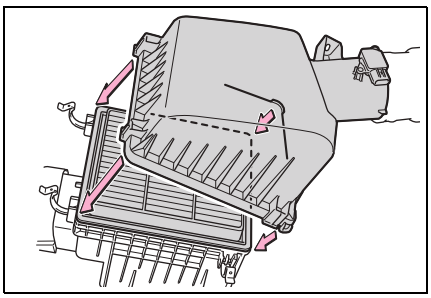


▶ F33A-FTV engine

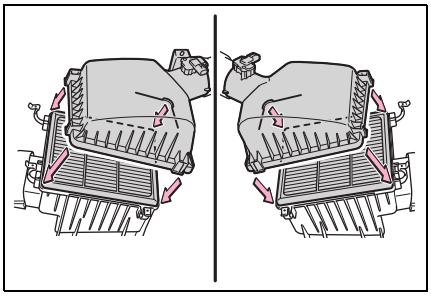


4 After checking, make sure the filter is set properly. Fully engage the claws and then secure the upper cover of the air cleaner case.

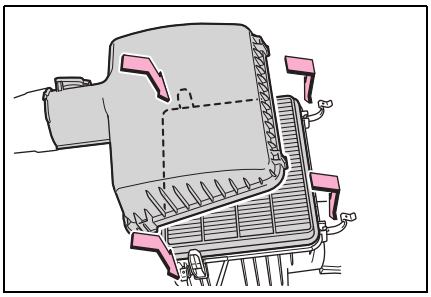
▶ 1GR-FE engine



▶ V35A-FTS engine



▶ F33A-FTV engine



WARNING

■ To prevent inhaling dust

Wear a respirator when using compressed air to clean the air cleaner filter.

NOTICE

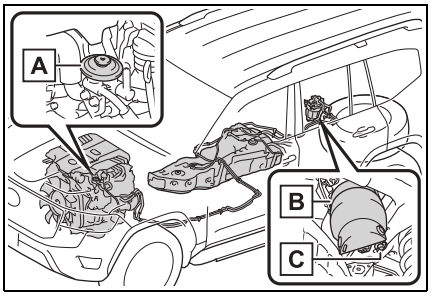
■ To prevent damaging the engine

- Do not drive with the air cleaner filter removed. Doing so causes excessive engine wear.
- Do not hit or drop the filter, as it may contain dust or sand etc.

Draining the fuel filter water (diesel engine only)

You may drain the fuel filter yourself. However, as the operation is difficult, we recommend having it drained by your Toyota dealer. Even if you decide to drain it yourself, contact your Toyota dealer.

Components



A Priming pump

B Fuel filter

C Drain plug

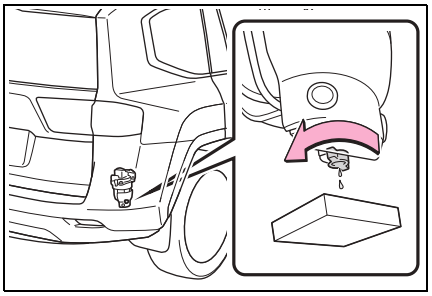
Draining the water

The water in the fuel filter needs to be drained if the warning message is shown on the multi-information display and a buzzer sounds (if equipped). (→P.646)

1 Turn the engine switch off.

2 Place a small tray under the drain plug to catch the water and any fuel that comes out.

3 Turn the drain plug counter-clockwise about 2 to 2 1/2 turns and then drain the water.



4 After draining, tighten the drain plug by hand.

AdBlue™*

*: If equipped

AdBlue™ is used to reduce the amount of nitrogen oxides in exhaust gas. Make sure to observe the following precautions regarding AdBlue™.

- AdBlue™ is consumed in the process of driving.
- When AdBlue™ is depleted, the engine cannot be restarted.
- When AdBlue™ needs to be refilled, have it refilled at your Toyota dealer or nearest AdBlue™ retailer.

It may be a criminal offence to use a vehicle that does not consume any reagent if it is required for the reduction of emissions.

Possible driving range

The amount of AdBlue™ that is consumed while driving differs according to the driving conditions and driving environment. When the amount of AdBlue™ that is consumed increases, the possible driving range until it is necessary to refill AdBlue™ decreases.

Possible driving range		
Short*1		Long
[High-load driving] • When your vehicle is towing a trailer • When firmly depressing the accelerator pedal • When driving on long uphill slopes • When the DPF system is operating	[Normal driving]*2	[Low-load driving] • When driving short distances • When in traffic congestion

*1: When the vehicle is used at high elevations and in low temperatures, the amount of AdBlue™ that is consumed increases.

*2: During normal driving, 1.0 L (1.1 qt., 0.9 Imp.qt.) of AdBlue™ is consumed approximately every 1000 km (621 miles). Also, after a full refill, the vehicle can

be driven for approximately 17000 km (10564 miles) before all AdBlue™ is depleted.

■ **AdBlue™ gauge**

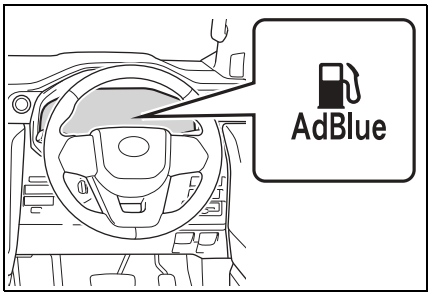
Displays the quantity of AdBlue™ remaining in the tank. (→P.146)

AdBlue™ warning light and warning message

When the AdBlue™ level is low, the low AdBlue™ level warning light turns on and a warning message appears on the multi-information display. (→P.597)

When the possible driving range based on the remaining amount of AdBlue™ reaches approximately 2400 km (1491 miles), the low AdBlue™ level warning light turns on and a warning message is displayed.

When refilling AdBlue™ by yourself in an emergency, be sure to follow the correct refilling procedures. (→P.598)



■ **Warning message**

If the following warning message is displayed on the multi-information display, follow the appropriate troubleshooting procedure.

Warning message	Details/Actions
"AdBlue level Low Fill up AdBlue in 2400km See Owner's Manual"*1	**When AdBlue™ needs to be refilled** → **Have AdBlue™ fully refilled at your Toyota dealer or nearest AdBlue™ retailer.**

Warning message	Details/Actions
"AdBlue level Low No start in 1100km Fill up AdBlue See Owner's Manual"*1, 2	**When AdBlue™ needs to be refilled** **If the displayed driving distance is exceeded, the engine cannot be restarted.** **→ Have AdBlue™ fully refilled at your Toyota dealer or nearest AdBlue™ retailer immediately.**
"AdBlue Empty Unable to restart Engine Fill up AdBlue See Owner's Manual"*2	**When AdBlue™ needs to be refilled** **→ If the engine is stopped, it cannot be restarted. Without stopping the engine, contact your Toyota dealer or nearest AdBlue™ retailer and have AdBlue™ fully refilled immediately.**

*1: Use the driving range as a reference. The possible driving range that is displayed may differ from the actual driving range depending on the refill method, driving conditions and driving environment. (→P.596)

*2: The buzzer sounds in accordance with the warning message.

NOTICE

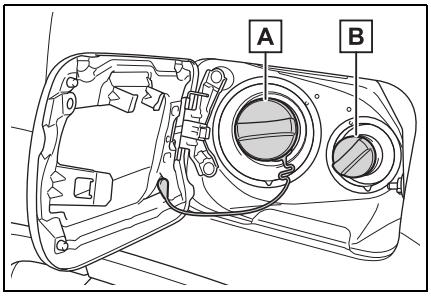
■When the AdBlue™ level is low

When AdBlue™ is depleted, the engine cannot be restarted.

Be sure to have AdBlue™ fully refilled at your Toyota dealer or nearest AdBlue™ retailer before it is completely depleted.

Refilling AdBlue™ by yourself in an emergency

■ Location of the AdBlue™ tank cap



A Fuel tank cap (→P.304)

B AdBlue™ tank cap

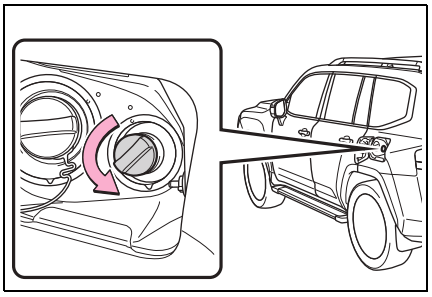
■ Refilling AdBlue™

When the engine cannot be restarted due to the depletion of AdBlue™, adding approximately 7.0 L (7.4 qt., 6.2 Imp.qt.) or more of AdBlue™ will allow the engine to be started again. Perform the following procedures to refill AdBlue™. (The AdBlue™ tank has a capacity of 17.4 L (18.4 qt., 15.3 Imp.qt.).)

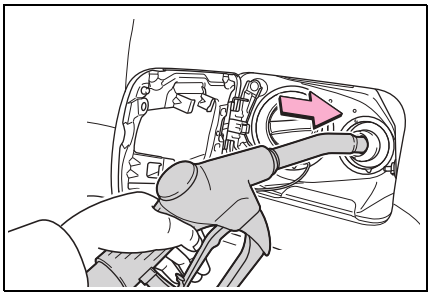
▶ Refilling with the refilling equipment

1 Park the vehicle on a level surface, turn the engine switch off, and then open the fuel filler door. (→P.304)

2 Open the AdBlue™ tank cap.

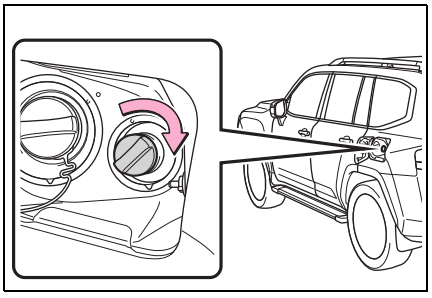


3 Insert the nozzle and refill AdBlue™.



4 Close the AdBlue™ tank cap.

Turn the cap until you hear a click.



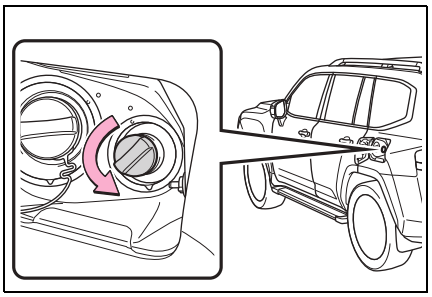
5 Check that the engine starts.

Have AdBlue™ fully refilled at your Toyota dealer or nearest AdBlue™ retailer.

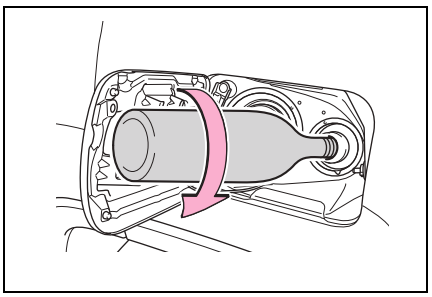
▶ Refilling with the bottle

1 Park the vehicle on a level surface, turn the engine switch off, and then open the fuel filler door. (→P.304)

2 Open the AdBlue™ tank cap.



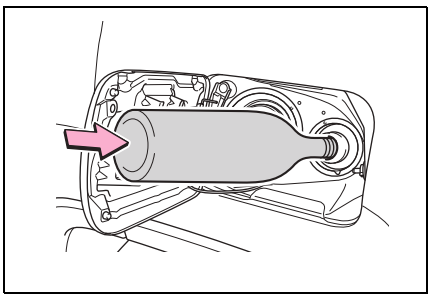
3 Insert a bottle of AdBlue™ and fully tighten it.



4 Push down on the bottle.

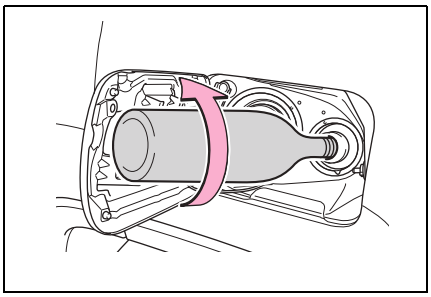
AdBlue™ will begin to be refilled. Refill AdBlue™ slowly so that it does not spill. Do not remove the bottle until it is

empty.



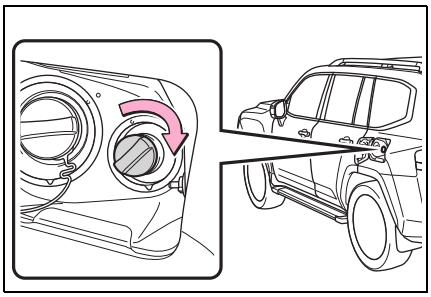
5 Check that no AdBlue™ remains in the bottle, and then remove it.

Repeat steps 3 to 5 until approximately 7.0 L (7.4 qt., 6.2 Imp.qt.) or more of AdBlue™ have been refilled.



6 Close the AdBlue™ tank cap.

Turn the cap until you hear a click.



7 Check that the engine starts.

The way of refilling may differ from those shown in the illustration.

Have AdBlue™ fully refilled at your Toyota dealer or nearest AdBlue™ retailer.

■ Refilling AdBlue™

- Use AdBlue™ (compliant with ISO 22241-1).
  AdBlue™ is a trademark of the Verband der Automobilindustrie e.V. (VDA).
- Before driving for a long period of time in an area where AdBlue™ cannot be refilled, consult your Toyota dealer.

■ When refilling AdBlue™

After refilling AdBlue™, the engine may take a few seconds longer than normal to start.

NOTICE

■ When refilling AdBlue™

Observe the following precautions. Failure to do so may result in damage to the vehicle parts, paint, etc.

- Do not use urea solution other than AdBlue™.
- If AdBlue™ comes into contact with any painted surfaces on the vehicle, immediately wash the affected areas with water.

■ When refilling AdBlue™ with the refilling equipment

Observe the following precautions to prevent AdBlue™ overflowing from the AdBlue™ tank:

- Securely insert the nozzle into the AdBlue™ filler neck.
- Stop filling the tank after the nozzle automatically clicks off.
- Do not top off the AdBlue™ tank.

NOTICE

■ When storing AdBlue™ containers

Observe the following precautions. Failure to do so may result in damage to vehicle parts, paint, etc., and changes in the chemical compounds of AdBlue™ may cause unpleasant odors.

- Do not leave AdBlue™ containers inside the vehicle.
- Tightly seal AdBlue™ containers and store them in a cool, dry location with good ventilation and no exposure to direct sunlight.

Electric winch*

*: If equipped

Maintenance

- To prevent rusting of the cable, apply Castle MP grease No.2 to the cable once a month or after it has been exposed to rainfall.
- When the winch assembly gets wet, wipe it thoroughly to dry.
- Operate the winch once a month.
- Check the winch's fluid level once a year. Fluid should reach up to 5 - 10 mm (0.2 - 0.4 in.) from the fluid hole. If the fluid level is low, add Automatic transmission fluid DEXRON® II or III. Consult your Toyota dealer for details.
- After using the winch, always replace the winch cover to protect the winch from dirt and rust.
- Before using the electric winch, check that the vehicle's battery terminals are tight and the battery fluid level is sufficient.

NOTICE

■ When replacing cable

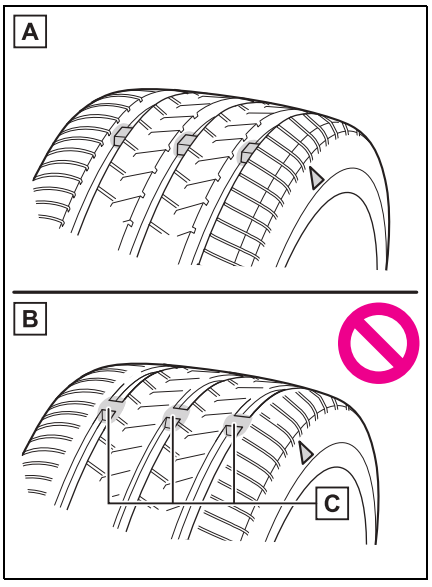
If replacing the cable with a new one, use a genuine Toyota product or equivalent.

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.

■ 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.

WARNING

- 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

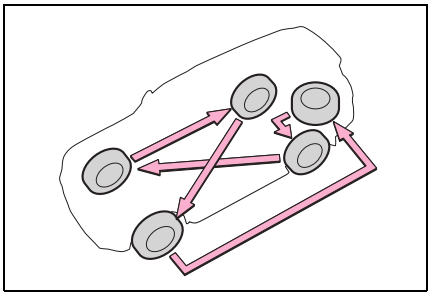
Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

■ 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.



To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 5000 km (3000 miles).

Vehicles with the tire pressure warning system: Make sure to perform wheel position registration procedure after rotating the tires.

Tire pressure warning system (if equipped)

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 warning system of this vehicle adopts a 2-type warning system

- When "Adjust Pressure" is displayed on the multi-information display (Normal Warning)

The tire pressure warning light comes on and a buzzer sounds when the tire inflation pressure becomes low due to natural air leakage or outside temperature. (Ways of coping:→P.643, 696)

- When "Immediately Check Tyre when Safe" is displayed on the multi-information display (Emergency Warning)

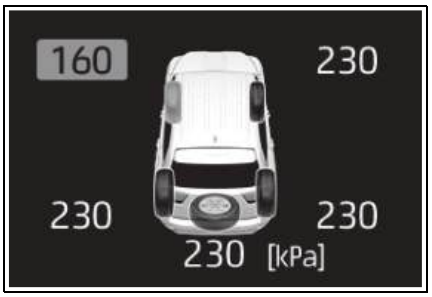
The tire pressure warning light comes on and a buzzer sounds when the tire inflation pressure becomes low suddenly due to a blowout. (Ways of coping: →P.643, 653) However, the system may not be able to detect sudden tire ruptures (bursting, etc.).

- The tire pressure detected by the tire pressure warning system can

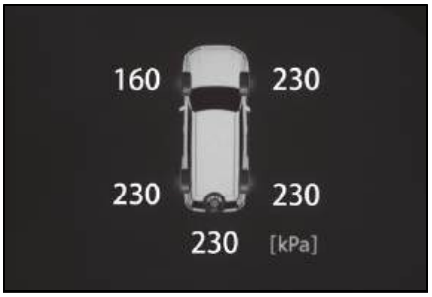
be displayed on the multi-information display.

The unit can be changed.

▶ With 7-inch display



▶ With 12.3-inch display



■ **How to change the unit**

▶ With 7-inch display

→P.146

▶ With 12.3-inch display

→P.157

■ **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.

■ **Tire inflation pressure**

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

● Tire inflation pressure changes with temperature. The displayed values may also be different from the values measured using a tire pressure gauge.

■ **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 wheels without tire pressure warning valves and transmitters are used.
- If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.

● Performance may be affected in the following situations.

- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone, cordless phone or other wireless communication device

If tire position information is not correctly displayed due to the radio wave condi-

tions, the display may be corrected by driving and changing the radio wave conditions.

- When the vehicle is parked, the time taken for the warning to start or go off could be extended.
- When tire inflation pressure declines rapidly for example when a tire has burst, the warning may not function.

Installing tire pressure warning valves and transmitters (vehicles with tire pressure warning system)

When replacing tires or wheels, tire pressure warning valves and transmitters must also be installed.

When new tire pressure warning valves and transmitters are installed, new ID codes must be registered in the tire pressure warning computer. (→P.609)

When replacing the tires and wheels

▶ Type A

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 20 minutes, the tire pressure warning light blinks for approximately 1 minute and stays on to indicate a system malfunction.

▶ Type B

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 approximately 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.

Registration the position of each wheel (vehicles with tire pressure warning system)

When to register the position of each wheel

It is necessary to register the position of each wheel after performing a tire rotation.

Wheel position registration can be performed by oneself. Wheel position registration is performed by driving forward with moderate left and right turns. However, depending on the driving conditions and driving environment, registration

may take some time to complete.

■ **Registering the position of each wheel**

1 Park the vehicle in a safe place, turn the engine switch off and wait 15 minutes or more.

2 Start the engine.

The wheel position registration procedure cannot be performed while the vehicle is moving.

3 Use the meter control switches (→P.141, 152) to select ⚙ (→P.146, 157).

4 Select 🚗⚙ .

5 Select “TPWS setting”.

6 Select “Tyre Rotation”.

7 Select “Yes”.

A message indicating that wheel position registration is being performed will be displayed on the multi-information display. “---” will be displayed for the tire inflation pressure of each tire and wheel position registration will begin.

8 Drive straight (with occasional left and right turns) at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

When wheel position registration is complete, a message indicating that registration has been completed and the inflation pressure of each tire will be displayed on the multi-information display.

Even if it is not possible to drive continuously 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, park the vehicle in a safe place and leave it with the engine switch in ON for approximately 15 minutes or more, and then perform the driving procedure again.

■ **When performing wheel position registration**

- Normally, wheel position registration can be completed within approximately 30 minutes.
- Wheel position registration is performed while driving at a vehicle speed of approximately 40 km/h (25 mph) or more.

■ **Wheel position registration procedure**

- If the engine switch is turned off while registering the wheel position, the next time the engine switch is turned to ON, the wheel position registration will resume and it will not be necessary to restart the procedure.
- While the position of each wheel is being determined and the inflation pressures are not being displayed, if the inflation pressure of a tire drops, the tire pressure warning light will come on.

■ **If the wheel position cannot be registered easily**

- In the following situations, wheel position registration may take longer than usual to be completed or may not be possible.
  - Vehicle is not driven at approximately 40 km/h (25 mph) or more
  - Vehicle is driven on unpaved roads
  - If wheel position registration does not complete after driving for 1 hour or more, park the vehicle in a safe place for approximately 15 minutes and then drive the vehicle again.
- If the vehicle is reversed during wheel position registration, all data collected until then will be cleared. Perform driving again.

Setting the tire pressure (vehicles with tire pressure warning system)

■ When you need to setting the tire pressure

In the following situations, it will be necessary to perform the tire inflation pressure setting procedure of the tire pressure warning system.

- When the specified tire inflation pressure has changed, such as due to carried load, etc.
- When the tire inflation pressure is changed such as when the tire size is changed.

If the tire inflation pressure has been adjusted to the specified level, perform the tire inflation setting procedure by selecting specified inflation pressure on the multi-information display.

When the tire inflation pressure is to be other than specified, such as when tires other than the specified size are used, etc., set the tire inflation pressure using the current pressure. Make sure to adjust the tire inflation pressure of each tire to the appropriate level before performing tire pressure setting. The tire pressure warning system operates based on this tire inflation pressure. (→P.607)

■ Setting by selecting a specified tire inflation pressure

1 Start the engine.

The tire inflation pressure cannot be set while the vehicle is moving.

2 Use the meter control switches (→P.141, 152) to select ⚙ (→P.146, 157).

3 Select 🚗⚙ .

4 Select “TPWS setting”.

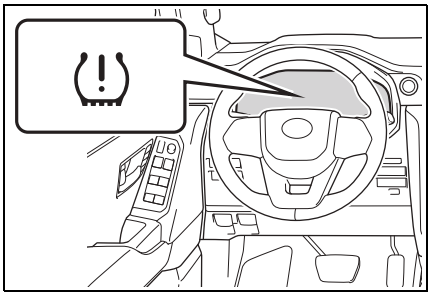
5 Select “Tyre Pressure Setting”.

6 Select “Setting by Specified Pressure” and then select the desired front and rear tire pressures.

7 Select “Yes”.

The tire pressure warning light will slowly blink 3 times.

After setting the tire inflation pressure, a message indicating that setting has been completed will be displayed on the multi-information display.



■ Setting using the current tire inflation pressure

1 Adjust the tire inflation pressure of each tire to the appropriate level.

Make sure to adjust the tire inflation pressure with the tires cold.

2 Start the engine.

The tire inflation pressure cannot be set while the vehicle is moving.

3 Use the meter control switches (→P.141, 152) to select ⚙ (→P.146, 157).

4 Select 🚗⚙ .

5 Select “TPWS setting”.

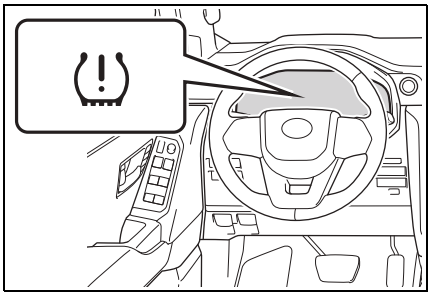
6 Select “Tyre Pressure Setting”.

7 Select “Setting by Current Pressure”.

8 Select “Yes”.

The tire pressure warning light will slowly blink 3 times and a message indicating that tire inflation pressure is being set will be displayed on the multi-information display.

After setting the tire inflation pressure, a message indicating that setting has been completed will be displayed on the multi-information display.



■ **Warning performance of the tire pressure warning system**

- When performing the tire pressure setting using the current tire inflation pressure, the warning timing of the tire pressure warning system will vary according to the conditions under which tire pressure setting was performed. Therefore, a warning may be output even if the tire inflation pressure drops slightly or if the tire inflation pressure increases above that when the tire inflation pressure was set.
- Make sure to perform the tire pressure setting procedure after adjusting the tire inflation pressure. Also, make sure the tires are cold before performing the tire pressure setting procedure or adjusting the tire inflation pressure.

■ **Tire inflation pressure setting procedure**

- If the engine switch is turned off while setting the tire inflation pressure, the next time the engine switch is turned to ON, the setting procedure will resume and it will not be necessary to restart the procedure.
- If the tire inflation pressure setting procedure is started unnecessarily, adjust the tire inflation pressure to the specified level with the tires cold and then perform setting by selecting a specified tire inflation pressure, or perform the tire inflation pressure setting procedure with the current tire inflation pressure.

■ **If the tire inflation pressure cannot be set easily**

- Normally, it takes approximately 3 minutes to complete the setting procedure to the current tire inflation pressure.
- If the tire pressure warning light does not blink 3 times when starting the tire inflation pressure setting procedure, the procedure may not have started. Perform the procedure again from the beginning.
- If tire inflation pressure setting procedure cannot be completed after performing the above procedure, contact your Toyota dealer.

WARNING

■ When setting using the current tire inflation pressure

Make sure to adjust the tire inflation pressure of each tire to the appropriate level before performing tire pressure setting. Otherwise, the tire pressure warning light may not illuminate even if the tire inflation pressure drops or may illuminate even though the tire inflation pressure is normal.

Registering ID codes (vehicles with tire pressure warning system)

■ When to register ID codes

The tire pressure warning valve and transmitter is equipped with a unique ID code. When new tire pressure warning valves and transmitters are installed, new ID codes must be registered in the tire pressure warning computer.

■ How to registration ID code

Before performing ID code registration, make sure that no wheels with tire pressure warning valve and transmitters installed are near the vehicle.

1 Park the vehicle in a safe place, turn the engine switch off and wait 15 minutes or more.

2 Start the engine.

The ID code registration procedure cannot be performed while the vehicle is moving.

3 Use the meter control switches (→P.141, 152) to select ⚙ (→P.146, 157).

4 Select 🚗⚙ .

5 Select “TPWS setting”.

6 Select “Tyre Set Switching”.

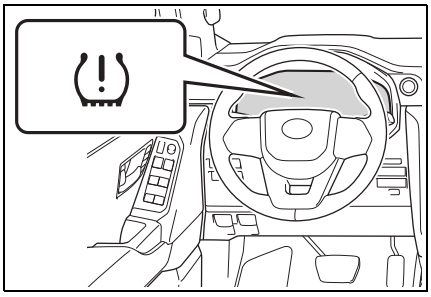
7 Select “Register Valve / ID”.

8 Select the wheel set (“Tyre Set 1” or “Tyre Set 2”) you wish to register.

9 Select “Yes”.

The tire pressure warning light will slowly blink 3 times and a message indicating that ID code registration is being performed will be displayed on the multi-information display.
Wheel set changing will be canceled and registration will begin.

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.



10 Drive straight (with occasional left and right turns) at approximately 40 km/h (25 mph) or more for approximately 10 to 30 minutes.

When registration is complete, the tire pressure warning light will turn off and a

message indicating that registration has been completed will be displayed on the multi-information display.

Registration may take longer than normal to complete if the vehicle speed cannot be maintained at approximately 40 km/h (25 mph) or more. If registration cannot be completed after driving for 1 hour or more, perform the registration procedure again from the beginning.

11 If the tire inflation pressure of the wheel set installed differs from that of the previous set, it will be necessary to perform the tire inflation pressure setting procedure of the tire pressure warning system. (→P.607)

If the specified tire inflation pressure is the same, it will not be necessary to perform the tire inflation pressure setting procedure.

■ When registering ID codes

- Normally, ID codes registration can be completed within approximately 30 minutes.
- ID code registration is performed while driving at a vehicle speed of approximately 40 km/h (25 mph) or more.
- ID codes can be registered by yourself, but depending on the driving conditions and driving environment, registration may take some time to complete.
- When using a wheel set which all of the ID codes have already been registered, the wheel set can be changed in a short amount of time. (→P.611)

■ If ID codes are not registered easily

- In the following situations, ID code registration may take longer than usual to be completed or may not be possible.
  - When the vehicle has not been parked for approximately 15 minutes or more before being driven
  - 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 the vehicle is reversed during registration, all data collected until then will be cleared. Perform driving again.
- If the tire pressure warning light does not blink 3 times when starting ID code registration procedure, the procedure may not have started. Perform the procedure again from the beginning.
- If registration does not complete after driving for 1 hour or more, perform the ID code registration procedure again from the beginning.
- If the ID codes cannot be registered even when performing the above procedure, contact your Toyota dealer.

Canceling ID code registration (vehicles with tire pressure warning system)

To cancel ID code registration after it has been started, select “Register New Valve / ID” again on the multi-information display.

If ID code registration has been canceled, the tire pressure warning light will turn off.

If the warning light does not turn off, ID code registration may not have been cancelled correctly. To cancel registration, select “Register New Valve / ID” on the multi-information display.

Selecting wheel set (vehicles with tire pressure warning system)

Your vehicle is equipped with a tire pressure warning system with a function to register two sets of ID codes. This allows for registration of a second wheel set, for example a winter set.

- The wheel set can be changed only if a second wheel set has been registered to the system.

ID codes can be registered by yourself. (→P.609)

- Only a change between both registered wheel set is possible, mixing between these wheel sets is not supported.
- While registering ID codes, it may not be possible to change between wheel sets normally. Cancel registration before changing between wheel sets.

■ Changing ID codes between different wheel sets

1 Install the desired wheel set.

2 Use the meter control switches (→P.141, 152) to select ⚙ (→P.146, 157).

3 Select 🚗⚙ .

4 Select “TPWS setting”.

5 Select “Tyre Set Switching”.

6 Select “Register Valve / ID”.

7 Select the wheel set (“Tyre Set 1” or “Tyre Set 2”) you wish to register.

8 Select “Yes”.

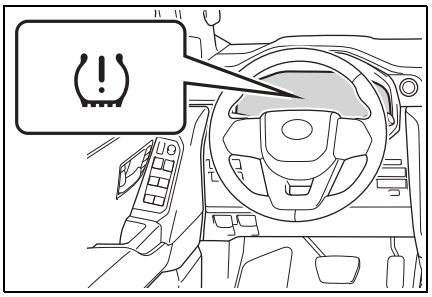
The tire pressure warning light will slowly blink 3 times, a message indicating that change is occurring will be displayed, and the wheel set change will begin.

Wheel set change will begin and the tire pressure warning light will blink for approximately 1 minute and then illuminate. Also, while the change is being performed, “---” will be displayed for the tire inflation pressure of each tire on the multi-information display.

After approximately 2 minutes, the wheel set change will complete, the tire pressure warning light will turn off, and a completion message will be displayed on the multi-information display.

If changing does not complete after approximately 4 minutes, a message indicating that the change could not be completed will be displayed.

Check which wheel set is installed and perform the change procedure again from the beginning.



9 If the specified tire inflation pressure of the wheel set installed differs from that of the previous set, it will be necessary to perform the tire inflation pressure setting procedure of the tire

pressure warning system. (→P.607)

If the specified tire inflation pressure is the same, it will not be necessary to perform the tire inflation pressure setting procedure.

10 Register the position of each wheel. (→P.605)

Tire inflation pressure

Make sure to maintain the 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.

■ 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 refilling, have it checked by your Toyota dealer.

■ Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold. If your vehicle has been parked for at least 3 hours or has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge. It is difficult to judge if a tire is properly inflated based only on its appearance.
- It is normal for the tire inflation pressure to be higher after driving as heat is generated in the tire. Do not reduce tire inflation pressure after driving.
- Passengers and luggage weight should be placed so that the vehicle is balanced.

WARNING

■ **Proper inflation is critical to save tire performance**

Keep your tires properly inflated.
If the tires are not properly inflated, the following conditions may occur which could lead to an accident resulting in death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Air leaking from between tire and wheel
- Wheel deformation and/or tire damage
- Greater possibility of tire damage while driving (due to road hazards, expansion joints, sharp edges in the road, etc.)

NOTICE

■ **When inspecting and adjusting tire inflation pressure**

Be sure to put the tire valve caps back on.
If a valve cap is not installed, dirt or moisture may get into the valve and cause an air leak, resulting in decreased tire inflation pressure.

Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause a loss of handling control.

Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width and inset*.

Replacement wheels are available at your Toyota dealer.

*: Conventionally referred to as offset.

Toyota does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

■ **When replacing wheels (vehicles with tire pressure warning system)**

The wheels of your vehicle are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advance warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, tire pressure warning valves and transmitters must be installed. (→P.605)

WARNING

■ When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in a loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire. Doing so may result in an accident, causing death or serious injury.

■ When installing the wheel nuts

- Be sure to install the wheel nuts with the tapered ends facing inward. (→P.660) Installing the nuts with the tapered ends facing outward can cause the wheel to break and eventually cause the wheel to come off while driving, which could lead to an accident resulting in death or serious injury.
- Never use oil or grease on the wheel bolts or wheel nuts. Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

■ Use of defective wheels prohibited

Do not use cracked or deformed wheels.

Doing so could cause the tire to leak air during driving, possibly causing an accident.

NOTICE

■ Replacing tire pressure warning valves and transmitters (vehicles with tire pressure warning system)

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by your Toyota dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at your Toyota dealer.
- Ensure that only genuine Toyota wheels are used on your vehicle. Tire pressure warning valves and transmitters may not work properly with non-genuine wheels.

Aluminum wheel precautions (if equipped)

- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

Air conditioning filter

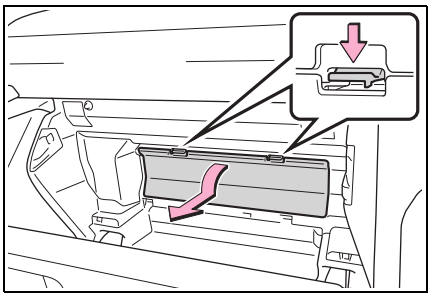
The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

Removal method

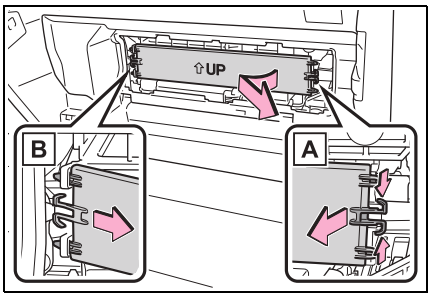
1 Turn the engine switch off.

2 Open the glove box and remove the partition. (→P.533)

3 Remove the panel.

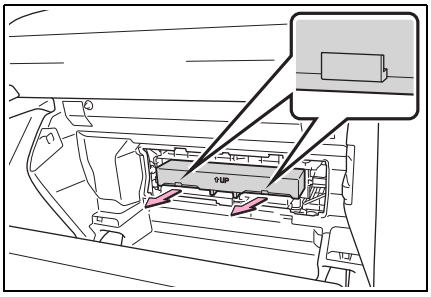


4 Unlock the filter cover (A), pull the filter cover out of the claws (B), and remove the filter cover.



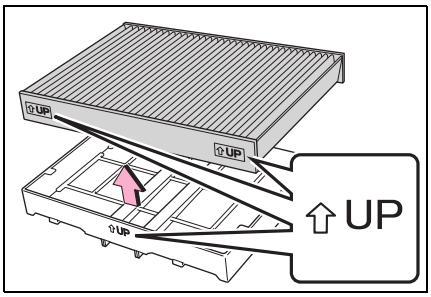
▶ Vehicles with the air conditioning filter case

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.

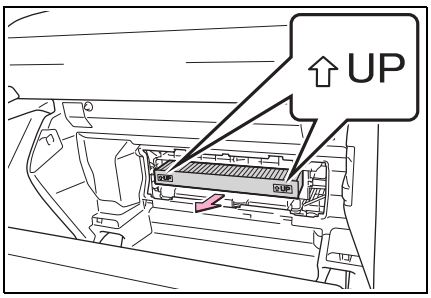


▶ Vehicles without the air conditioning filter case

5 Remove the air conditioning filter and replace it with a new one.

The "⇧ UP" marks shown on the filter

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.567)

■ If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.

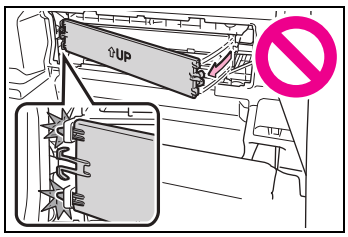
NOTICE

■ When using the air conditioning system

Make sure that a filter is always installed. Using the air conditioning system without a filter may cause damage to the system.

■ To prevent damage to the filter cover

When moving the filter cover in the direction of arrow to release the fitting, pay attention not to apply excessive force to the claws. Otherwise, the claws may be damaged.



Electronic key battery

Replace the battery with a new one if it is depleted. As the key may be damaged if the following procedure is not performed properly, it is recommended that key battery replacement be performed by your Toyota dealer.

■ If the 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.

Items to prepare

Prepare the following before replacing the battery:

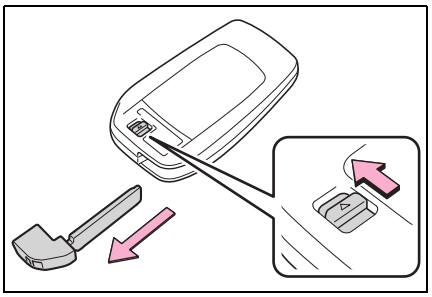
- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery CR2450

■ Use a CR2450 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.

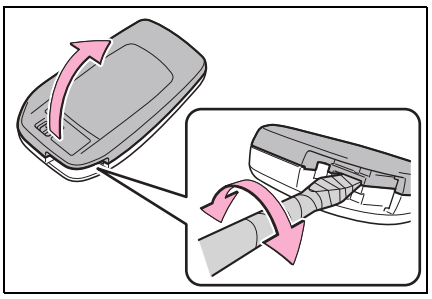
Replacing the battery

1 Release the lock and remove the mechanical key.



2 Remove the cover.

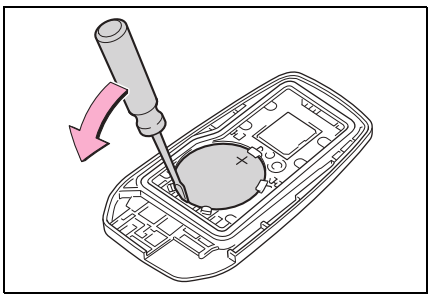
To prevent damage to the key, cover the tip of the flathead screwdriver with a rag.



3 Remove the depleted battery using a small flathead screwdriver.

When removing the cover, the electronic key module may stick to the cover and the battery may not be visible. In this case, remove the electronic key module in order to remove the battery.

Insert a new battery with the "+" terminal facing up.



4 When installing, reverse the steps listed.

WARNING

■ Battery precautions

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

- Do not swallow the battery. Doing so may cause chemical burns.
- A coin battery or button battery is used in the electronic key. If a battery is swallowed, it may cause severe chemical burns in as little as 2 hours and may result in death or serious injury.
- Keep away new and removed batteries from children.
- If the cover cannot be firmly closed, stop using the electronic key and stow the key in the place where children cannot reach, and then contact your Toyota dealer.
- If you accidentally swallow a battery or put a battery into a part of your body, get emergency medical attention immediately.

■ To prevent battery explosion or leakage of flammable liquid or gas

- Replace the battery with a new battery of the same type. If a wrong type of battery is used, it may explode.

WARNING

- Do not expose batteries to extremely low pressure due to high altitude or extremely high temperatures.
- Do not burn, break or cut a battery.

NOTICE

■ When replacing the battery

Use a flathead screwdriver of appropriate size. Applying excessive force may deform or damage the cover.

■ For normal operation after replacing the battery

Observe the following precautions to prevent accidents:

- Always work with dry hands. Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.
- Do not bend either of the battery terminals.

Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

Checking and replacing fuses

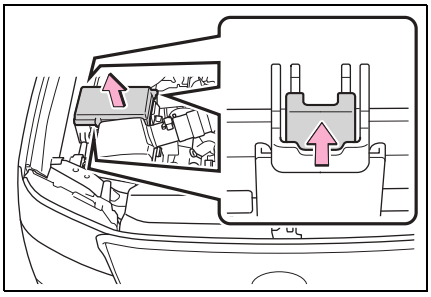
1 Turn the engine switch off.

2 Open the fuse box cover.

▶ Engine compartment (1GR-FE engine)

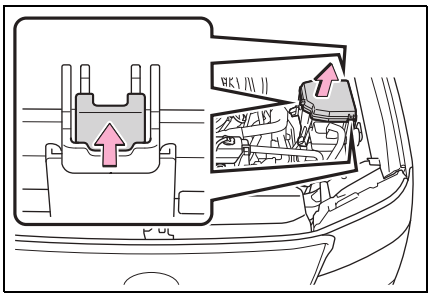
Type A:

Push the tab in and lift the lid off.



Type B:

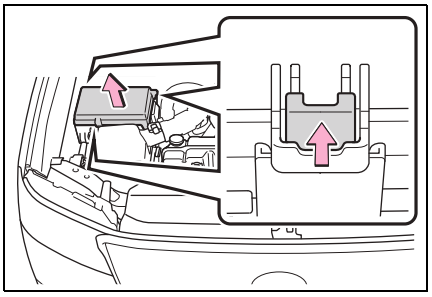
Push the tab in and lift the lid off.



▶ Engine compartment (V35A-FTS engine)

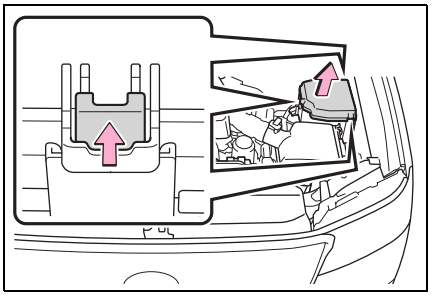
Type A:

Keep the engine compartment cover opened or removing the cover (→P.583) and push the tab in and lift the lid off.



Type B:

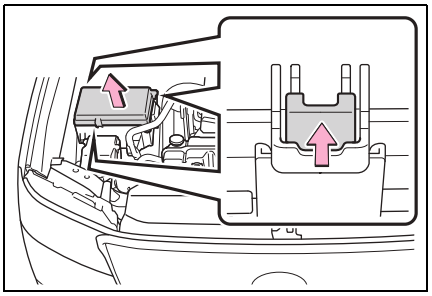
Keep the engine compartment cover opened or removing the cover (→P.583) and push the tab in and lift the lid off.



▶ Engine compartment (F33A-FTV engine)

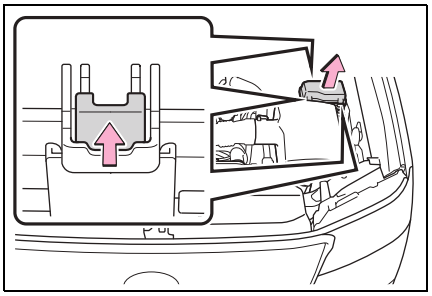
Type A:

Keep the engine compartment cover opened or removing the cover (→P.583) and push the tab in and lift the lid off.



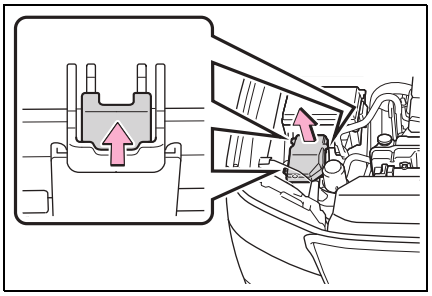
Type B:

Keep the engine compartment cover opened or removing the cover (→P.583) and push the tab in and lift the lid off.



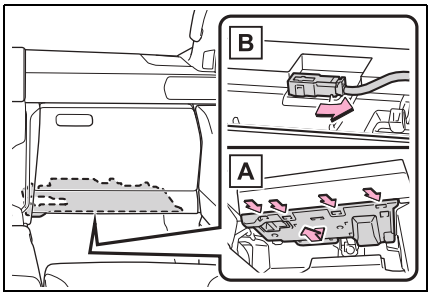
Type C:

Push the tab in and lift the lid off.

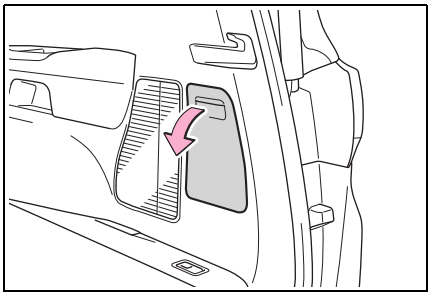


▶ Instrument panel (left-hand drive vehicles)

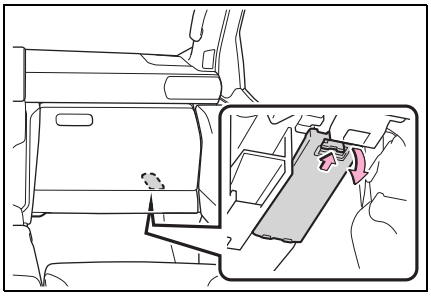
Remove the cover A and then remove the footwell light connector B (if equipped).



Remove the lid.

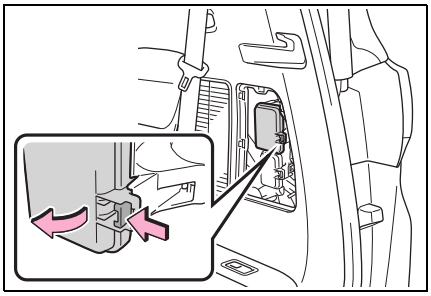


Remove the lid.



▶ Instrument panel (right-hand drive vehicles)

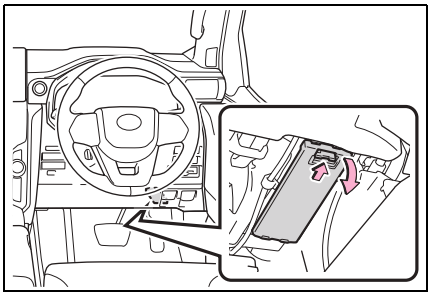
Remove the lid.



3 Remove the fuse with the pull-out tool.

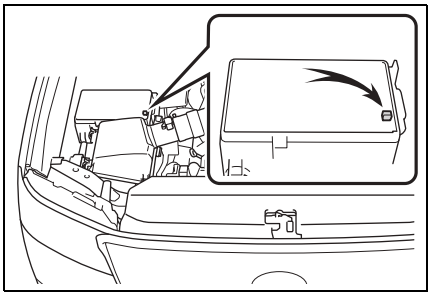
▶ 1GR-FE engine

Only type A fuse can be removed using the pullout tool.



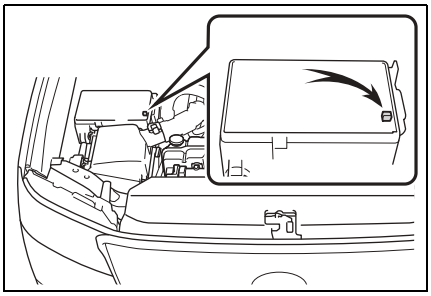
▶ Luggage compartment (if equipped)

Remove the cover.



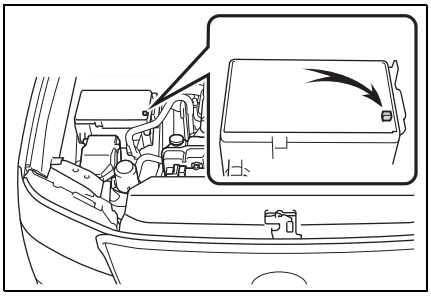
▶ V35A-FTS engine

Only type A fuse can be removed using the pullout tool.



▶ F33A-FTV engine

Only type A fuse can be removed using the pullout tool.

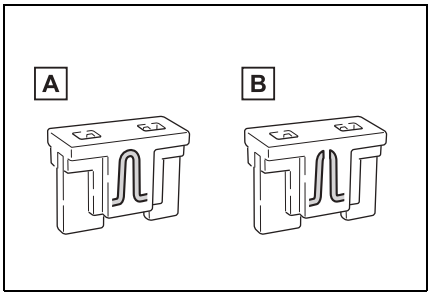


4 Check if the fuse is blown.

Type A and B:
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 C and D:
Contact your Toyota dealer.

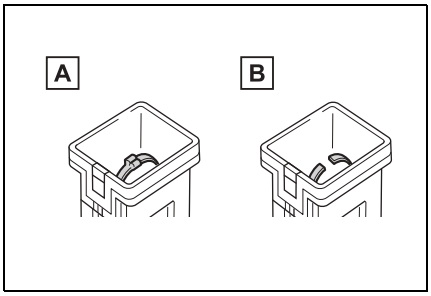
▶ Type A



A Normal fuse

B Blown fuse

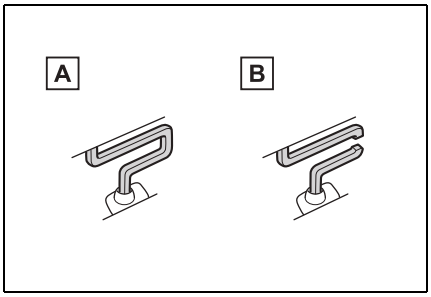
▶ Type B



A Normal fuse

B Blown fuse

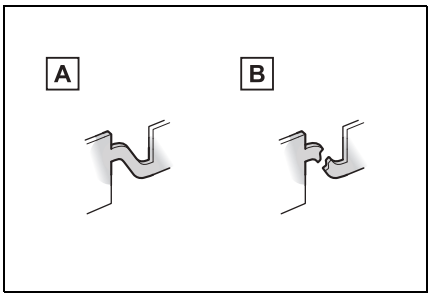
▶ Type C



A Normal fuse

B Blown fuse

▶ Type D



A Normal fuse

B Blown fuse

■ **After a fuse is replaced**

- When installing the lid, make sure that the tab is installed securely.
- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P.623)
- 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 an electronic component, such as a lights, etc.**

Toyota recommends that you use genuine Toyota products designed for this vehicle. Because certain electronic components are connected to circuits designed to prevent overload, non-genuine parts or parts not designed for this vehicle may be unusable.

WARNING

■ **To prevent system breakdowns and vehicle fire**

Observe the following precautions. Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
  Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuses or fuse boxes.

NOTICE

■ **Before replacing fuses**

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

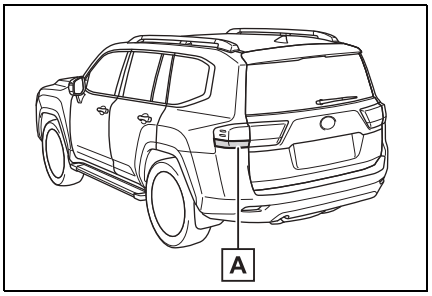
Light bulbs

You may replace the following bulb by yourself. Before replacing, check the wattage of the light bulb to be replaced. As there is a danger that components may be damaged, we recommend that replacement is carried out by your Toyota dealer.

Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P.697)

Bulb location



A Rear turn signal lights (bulb type) (if equipped)

■ **Lights that need to be replaced by your Toyota dealer**

- Headlights
- Front position lights and daytime running lights
- Front turn signal lights
- Front fog lights (if equipped)
- Cornering lights (if equipped)
- Side turn signal lights
- Tail lights
- Stop lights
- Rear turn signal lights (LED type) (if equipped)
- Rear fog lights (if equipped)
- Back-up lights
- High mounted stoplight
- License plate lights
- Outer foot lights (if equipped)
- Running board lights (if equipped)

■ **LED lights**

The lights other than the rear turn signal lights (bulb type) (if equipped) 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.

■ **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.

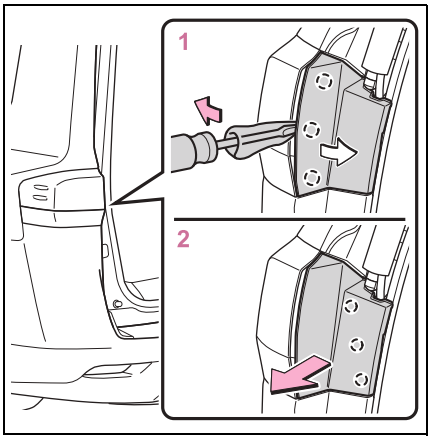
■ **When replacing an electronic component, such as a lights, etc.**

→P.622

Replacing light bulb

■ Rear turn signal lights (bulb type) (if equipped)

1 Open the back door and remove the cover.



1 Remove the 3 claws of the cover using a flathead screwdriver as shown in the illustration.

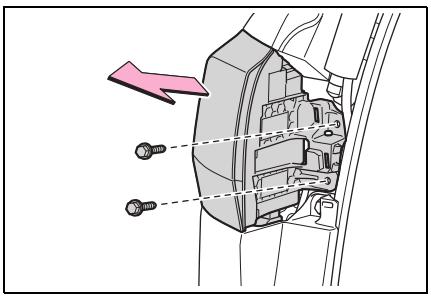
To prevent damage to the unit, cover the tip of the flathead screwdriver with a rag.

When removing the cover, use a screwdriver of an appropriate size.

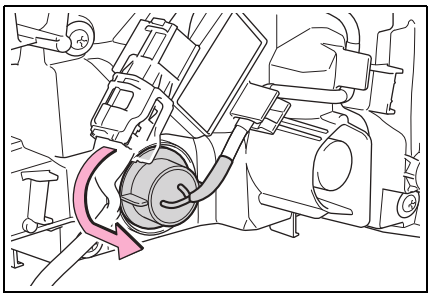
2 Remove the 3 claws by pulling the cover backward.

2 Remove the securing screws and remove the light unit.

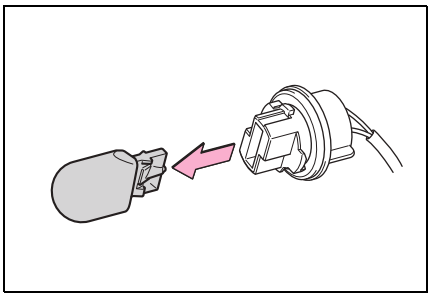
Remove the light unit by pulling it directly backward from the rear of the vehicle.



3 Turn the bulb base counterclockwise.

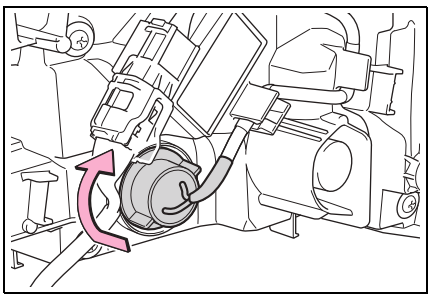


4 Remove the light bulb.



5 Install a new light bulb then install the bulb base to the light

unit by inserting it and turning the bulb base clockwise.

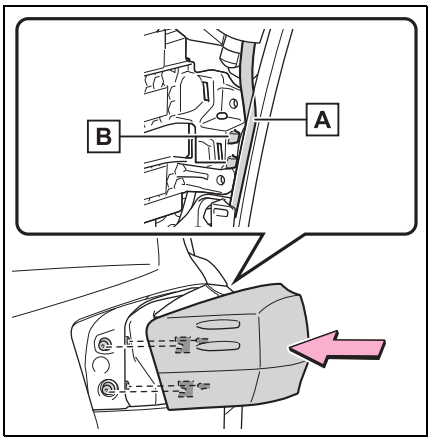


6 Reinstall the light unit.

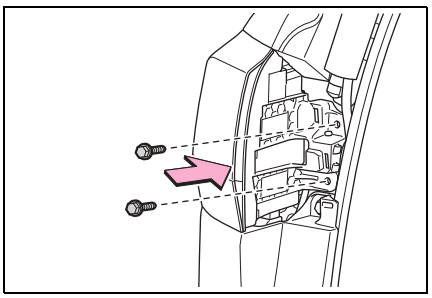
Align the grooves on the light unit with the claws, and insert the light unit straight so that the pin on the light unit fit into the hole.

Confirm that the light unit is completely secured.

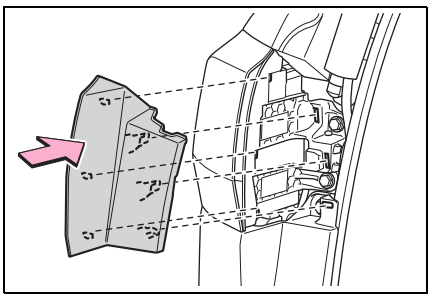
Vehicles with power back door: Confirm that the wiring of the spindle unit A is fixed securely by the claw B.



7 Reinstall the screws.



8 Reinstall the cover.



WARNING

■ Replacing light bulb

- Turn off the light. Do not attempt to replace the bulb immediately after turning off the light.
  The bulb 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 bulb and any parts used to secure it. Failure to do so may result in heat damage, fire, or water entering the light unit. This may damage the light or cause condensation to build up on the lens.

WARNING

- 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 bulb is fully seated and locked.
- Check the wattage of the bulb before installing to prevent heat damage.

7-1. Essential information

Emergency flashers.....628

If your vehicle has to be stopped in an emergency 628

If the vehicle is submerged or water on the road is rising 629

7-2. Steps to take in an emergency

If your vehicle needs to be towed.....631

If you think something is wrong 634

Fuel pump shut off system (gasoline engine only) 635

If a warning light turns on or a warning buzzer sounds...636

If a warning message is displayed.....646

If you have a flat tire 653

If the engine will not start..663

If you lose your keys.....665

If the electronic key or fingerprint authentication system does not operate properly 665

If the vehicle battery is discharged 667

If your vehicle overheats...674

If you run out of fuel and the engine stalls (diesel engine only).....677

If the vehicle becomes stuck 677

Emergency flashers

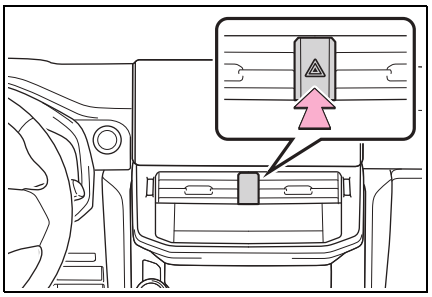
The emergency flashers are used to warn other drivers when the vehicle has to be stopped in the road due to a breakdown, etc.

Operating instructions

Press the switch.

All the turn signal lights will flash.

To turn them off, press the switch once again.



■ Emergency flashers

- If the emergency flashers are used for a long time while the engine is not running, the battery may discharge.
- If any of the SRS airbags deploy (inflate) or in the event of a strong rear impact, the emergency flashers will turn on automatically.
  The emergency flashers will turn off automatically after operating for approximately 20 minutes. To manually turn the emergency flashers off, press the switch twice. (The emergency flashers may not turn on automatically depending on the force of the impact and conditions of the collision.)

If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

Stopping the vehicle

1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

2 Shift the shift lever to N.

▶ If the shift lever is shifted to N

3 After slowing down, stop the vehicle in a safe place by the road.

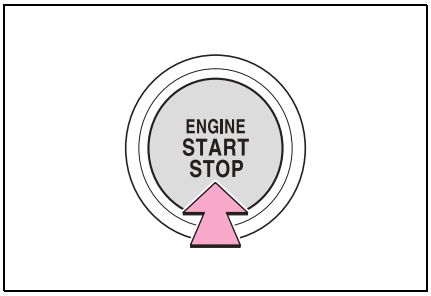
4 Stop the engine.

▶ If the shift lever cannot be shifted to N

3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.

4 To stop the engine, press and hold the engine switch for 2 consecutive seconds or more, or

press it briefly 3 times or more in succession.



5 Stop the vehicle in a safe place by the road.

If emergency stopped

The functions of the air conditioning, etc. may be partially limited in order to reduce the power consumption of the battery.

WARNING

If the engine has to be turned off while driving

Turning the engine off while driving will not cause loss of steering or braking control. However, power assist for these systems may be lost making it difficult to steer or brake before stopping the vehicle depending on the remaining charge in the battery or usage conditions. Decelerate as much as possible before turning off the engine.

If the vehicle is submerged or water on the road is rising

This vehicle is not designed to be able to drive on roads that are deeply flooded with water. Do not drive on roads where the roads may be submerged or the water may be rising. It is dangerous to remain in the vehicle, if it is anticipated that the vehicle will be flooded or set adrift. Remain calm and follow the following.

- If the door can be opened, open the door and exit the vehicle.
- If the door cannot be opened, open the window using the power window switch and ensure an escape route.
- If the window can be opened, exit the vehicle through the window.
- If the door and window cannot be opened due to the rising water, remain calm, wait until the water level inside the vehicle rises to the point that the water pressure inside of the vehicle equals the water pressure outside of the vehicle and then open the door after waiting for the rising water to enter the vehicle, and exit the vehicle.

When the outside water level exceeds half the height of the door, the door cannot be opened from the inside due

to water pressure.

Water level exceeds the floor

When the water level exceeds the floor and time has passed, the electrical equipment will get damaged, the power windows will not operate, the engine stop, and the vehicle may not be able to get moving.

Using an emergency escape hammer*1

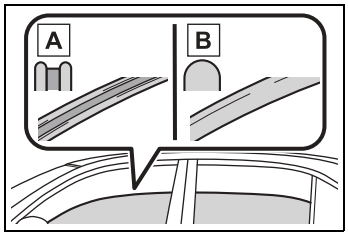
Laminated glass*2 is used in the windshield and the windows on this vehicle. Laminated glass cannot be shattered with an emergency hammer*1.

*1: Contact your Toyota dealer or aftermarket accessory manufacturer for further information about an emergency hammer.

*2: If equipped

How to distinguish laminated glass

When looking from the cross-sectional view point, laminated glass is two sheets of glass pasted together.



A Laminated glass

B Tempered glass

WARNING

Caution while driving

Do not drive on roads where the roads may be submerged or the water may be rising. Otherwise the vehicle may be damaged and cannot move, as well as become flooded and set adrift, which may lead to death.

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Toyota dealer or commercial towing service, using a wheel-lift type truck or flatbed truck.

Use a safety chain system for all towing, and abide by all state/provincial and local laws.

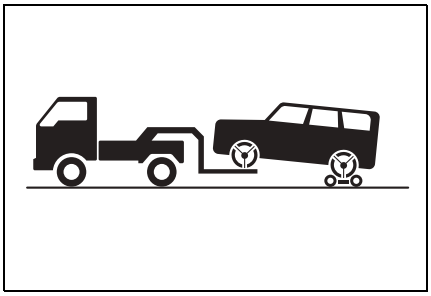
Situations when it is necessary to contact dealers before towing

The following may indicate a problem with your transmission. Contact your Toyota dealer or commercial towing service before towing.

- The engine is running but the vehicle does not move.
- The vehicle makes an abnormal sound.

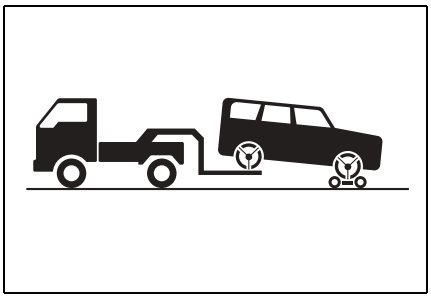
Towing with a wheel-lift type truck

▶ From the front



Use a towing dolly under the rear wheels.

▶ From the rear



Use a towing dolly under the front wheels.

WARNING

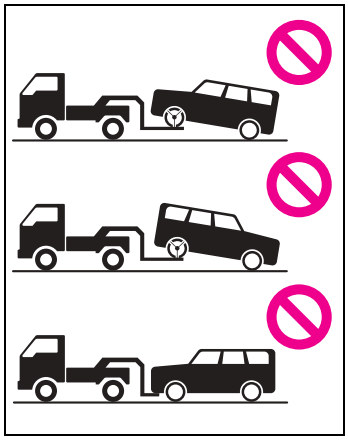
Observe the following precautions.

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

WARNING

■When towing the vehicle

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.



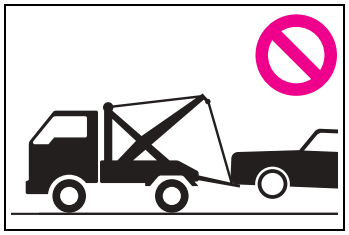
NOTICE

■To prevent damage to the vehicle when towing using a wheel-lift type truck

- Do not tow the vehicle from the rear when the engine switch is off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

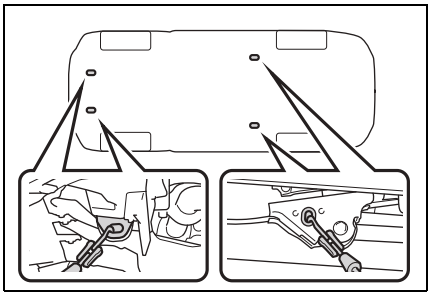
■Towing with a sling-type truck

Do not tow with a sling-type truck to prevent body damage.

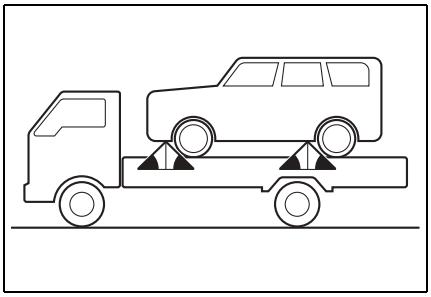


Using a flatbed truck

If your vehicle is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.



If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.



If you cannot tie down the vehicle using the method above, use tire

strapping belts.

NOTICE

■ Using a flatbed truck

Do not overly tighten the tie downs or the vehicle may be damaged.

Emergency towing

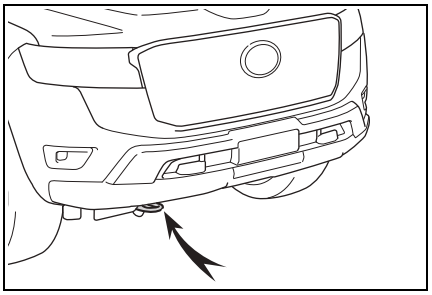
If a tow truck is not available in an emergency, your vehicle may be temporarily towed using cables or chains secured to the emergency towing hooks. This should only be attempted on hard surfaced roads for at most 80 km (50 miles) at under 30 km/h (18 mph).

A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.

Emergency towing procedure

1 Securely attach cables or chains to the towing hook.

Take care not to damage the vehicle body.



2 Enter the vehicle being towed and start the engine.

If the engine does not start, turn the engine switch to ON.

3 Put the four-wheel drive control switch in "H4". (The front, center and rear differentials are unlocked.)

4 Shift the shift lever to N and release the parking brake.

Turn automatic mode off. (→P.279)

When the shift lever cannot be shifted: →P.271, 275

■ While towing

If the engine is not running, the power assist for the brakes and steering will not function, making steering and braking more difficult.

WARNING

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

■ While towing

- When towing using cables or chains, avoid sudden starts, etc. which place excessive stress on the towing hooks, cables or chains. The towing hooks, cables or chains may become damaged, broken debris may hit people, and cause serious damage.
- Do not turn the engine switch off. There is a possibility that the steering wheel is locked and cannot be operated.

NOTICE

■ **To prevent damage to the vehicle when towing with a sling-type truck**

Do not tow with a sling-type truck, either from the front or rear.

■ **To prevent damage to the vehicle during emergency towing**

Do not secure cables or chains to the suspension components.

■ **When towing a vehicle equipped with a Stop & Start system**

If it is necessary to tow the vehicle with all 4 wheels on the ground, perform the following procedure before towing the vehicle, in order to protect the system.
Turn the engine switch off and then start the engine or turn the engine switch to ON.

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.
- Engine oil pressure gauge continually points lower than normal.
- Voltmeter continually points higher or lower than normal.

Audible symptoms

- Changes in exhaust sound
- Excessive tire squeal when cornering
- Strange noises related to the suspension system
- Pinging or other noises related to the engine

Operational symptoms

- Engine missing, stumbling or

running roughly

- Appreciable loss of power
- Vehicle pulls heavily to one side when braking
- Vehicle pulls heavily to one side when driving on a level road
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

Fuel pump shut off system (gasoline engine only)

To minimize the risk of fuel leakage when the engine stalls or when an airbag inflates upon collision, the fuel pump shut off system stops the supply of fuel to the engine.

Restarting the engine

Follow the procedure below to restart the engine after the system is activated.

1 Turn the engine switch to ACC or OFF.

2 Restart the engine.

NOTICE

■ Before starting the engine

Inspect the ground under the vehicle.

If you find that fuel has leaked onto the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

If a warning light turns on or a warning buzzer sounds

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Toyota dealer.

Actions to the warning lights or warning buzzers

■ **Brake system warning light (warning buzzer)**

Warning light	Details/Actions
 (Red)	Indicates that: ● The brake fluid level is low; or ● The brake system is malfunctioning → **Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.**

■ **Brake system warning light (warning buzzer)**

Warning light	Details/Actions
 (Yellow)	Indicates a malfunction in: ● The parking brake system; or ● The electronically controlled brake system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ **Charging system warning light* (warning buzzer)**

Warning light	Details/Actions
	Indicates a malfunction in the vehicle's charging system → **Immediately stop the vehicle in a safe place and contact your Toyota dealer.**

*: This light illuminates on the multi-information display with a message.

■ Low engine oil pressure warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates that the engine oil pressure is too low → **Immediately stop the vehicle in a safe place and contact your Toyota dealer.**

*: This light illuminates on the multi-information display with a message.

■ High coolant temperature warning light* (warning buzzer)

Warning light	Details/Actions
	Indicates that the engine is overheating → **Immediately stop the vehicle in a safe place. Handling method (→P.674)**

*: This light illuminates on the multi-information display with a message.

■ Malfunction indicator lamp

Warning light	Details/Actions
	Indicates a malfunction in: ● The electronic engine control system; ● The electronic throttle control system; ● The emission control system (if equipped); ● The electronic automatic transmission control system; or ● The DPF system (if equipped) → **Have the vehicle inspected by your Toyota dealer immediately.**

■ SRS warning light

Warning light	Details/Actions
	Indicates a malfunction in: ● The SRS airbag system; or ● The seat belt pretensioner system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ **ABS warning light**

Warning light	Details/Actions
	Indicates a malfunction in: ● The ABS; or ● The brake assist system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ **Power steering system warning light**

Warning light	Details/Actions
 (If equipped)	Indicates a malfunction in the power steering system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ **PCS warning light (warning buzzer)**

Warning light	Details/Actions
 (if equipped)	When a buzzer sounds simultaneously: Indicates a malfunction in the PCS (Pre-Collision System) → **Follow the instructions displayed on the multi-information display.** If the PCS (Pre-Collision System) or VSC (Vehicle Stability Control) system is disabled, the PCS warning light will illuminate.

■ **LTA indicator (warning buzzer)**

Warning light	Details/Actions
 (Yellow) (if equipped)	Indicates a malfunction in the LTA (Lane Tracing Assist) → **Follow the instructions displayed on the multi-information display.**

■ **LDA indicator (warning buzzer)**

Warning light	Details/Actions
 (Yellow) (if equipped)	Indicates a malfunction in the LDA (Lane Departure Alert) → **Follow the instructions displayed on the multi-information display.**

■ Cruise control indicator (warning buzzer)

Warning light	Details/Actions
 (Yellow) (if equipped)	Indicates a malfunction in the cruise control system. → **Follow the instructions displayed on the multi-information display.**

■ Dynamic radar cruise control indicator (warning buzzer)

Warning light	Details/Actions
 (Yellow) (if equipped)	Indicates a malfunction in the dynamic radar cruise control system. → **Follow the instructions displayed on the multi-information display.**

■ Driving assist information indicator

Warning light	Details/Actions
 (Yellow)	Indicates either of the following systems may be malfunctioning. ● PCS (Pre-Collision System) (if equipped) ● LDA (Lane Departure Alert) (if equipped) ● Automatic Rear Flashing Hazard Lights (if equipped) ● Rear Vehicle Approaching Indication (if equipped) ● Secondary Collision Brake (Rear Impacts while Stopped) (if equipped) → **Follow the instructions displayed on the multi-information display.** Indicates any of the following systems are malfunctioning, disabled, or turned off. ● PKSB (Parking Support Brake) (if equipped) ● RCD (Rear Camera Detection) (if equipped) ● BSM (Blind Spot Monitor) (if equipped) ● RCTA (Rear Cross Traffic Alert) (if equipped) ● Safe Exit Assist (if equipped) → **Follow the instructions displayed on the multi-information display.**

■ **Toyota parking assist-sensor OFF indicator (warning buzzer)**

Warning light	Details/Actions
 (If equipped)	Indicates a malfunction in the Toyota parking assist-sensor function → **Have the vehicle inspected by your Toyota dealer immediately.** Indicates that the system is temporarily unavailable, possibly due to a sensor being dirty or covered with ice, etc. → **Follow the instructions displayed on the multi-information display. (→P.646)**

■ **Inappropriate pedal operation warning light* (warning buzzer)**

Warning light	Details/Actions
	When a buzzer sounds: ● Brake Override System is malfunctioning ● Drive-Start Control is malfunctioning ● Drive-Start Control is operating → **Follow the instructions displayed on the multi-information display.** When a buzzer does not sound: Brake Override System is operating. → **Release the accelerator pedal and depress the brake pedal.**

*: This light illuminates on the multi-information display with a message.

■ **Stop & Start cancel indicator**

Warning light	Details/Actions
 (Flashes) (If equipped)	Indicates a malfunction in the Stop & Start system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Slip indicator light

Warning light	Details/Actions
	Indicates a malfunction in: ● The VSC system; ● The Trailer Sway Control system (If equipped); ● The Active TRC system; ● The hill-start assist control system; ● The downhill assist control system (if equipped) ● The Multi-terrain Select (If equipped); or ● The Crawl Control (If equipped) → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Low speed four-wheel drive indicator light

Warning light	Details/Actions
 (Flashes)	Indicates a malfunction in the four-wheel drive system when the light flashes rapidly. → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Front differential lock indicator

Warning light	Details/Actions
 (Flashes) (If equipped)	Indicates a malfunction in the front differential lock system when the light flashes rapidly. → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Center differential lock indicator

Warning light	Details/Actions
 (Flashes)	Indicates a malfunction in the center differential lock system when the light flashes rapidly. → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Rear differential lock indicator

Warning light	Details/Actions
 (Flashes) (If equipped)	Indicates a malfunction in the rear differential lock system when the light flashes rapidly. → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Parking brake indicator

Warning light	Details/Actions
 (Flashes)	It is possible that the parking brake is not fully engaged or released → **Operate the parking brake switch once again.** This light comes on when the parking brake is not released. If the light turns off after the parking brake is fully released, the system is operating normally.

■ Brake hold operated indicator (warning buzzer)

Warning light	Details/Actions
 (Flashes)	Indicates a malfunction in the brake hold system → **Have the vehicle inspected by your Toyota dealer immediately.**

■ Low fuel level warning light

Warning light	Details/Actions
	▶ Vehicles without sub fuel tank system Indicates that remaining fuel is approximately 12.0 L (3.2 gal., 2.6 Imp.gal.) or less ▶ Vehicles with sub fuel tank system Indicates that remaining fuel is approximately 16.5 L (4.4 gal., 3.6 Imp.gal.) or less → **Refuel the vehicle.**

■ Low AdBlue™ level warning light (warning buzzer)

Warning light	Details/Actions
 (If equipped)	Indicates that the engine may not be restarted due to AdBlue™ level is low. → **Refill AdBlue™. (→P.598)**

■ Tire pressure warning light

Warning light	Details/Actions
 (If equipped)	When the light comes on: ● Low tire inflation pressure from natural causes → **After the temperature of the tires has lowered sufficiently, check the inflation pressure of each tire and adjust them to the specified level.** ● Low tire inflation pressure from flat tire → **Immediately stop the vehicle in a safe place and perform the necessary actions.** When the light comes on after blinking for approximately 1 minute (a buzzer does not sounds): Malfunction in the tire pressure warning system → **Have the system checked by your Toyota dealer.**

■ Driver's and front passenger's seat belt reminder light (warning buzzer)*1, 2

Warning light	Details/Actions
	Warns the driver and/or front passenger to fasten their seat belts → **Fasten the seat belt.** **If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) turn off.**

*1: Driver's seat belt warning buzzer (for GCC countries*3, Iraq, Jordan, Lebanon, and Yemen):
The driver's seat belt warning buzzer sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to 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 (for GCC countries*3, Iraq, Jordan, Lebanon, and Yemen:
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.

*2: Driver's and passenger's seat belt warning buzzer (except for GCC countries*3, Iraq, Jordan, Lebanon, and Yemen):
The driver's and front passenger's seat belt warning buzzer sounds to alert the driver and front passenger that his or her seat belt is not fastened. If the seat belt

is unfastened, the buzzer sounds intermittently for a certain period of time after the vehicle reaches a certain speed.

*3: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar and Kuwait

■ Rear passengers' seat belt reminder light (warning buzzer)*

Warning light	Details/Actions
 (If equipped)	Warns the rear passengers to fasten their seat belts → **Fasten the seat belt.**

*: Rear passengers' seat belt warning buzzer:
The rear passengers' seat belt warning buzzer sounds to alert the rear passenger that his or her seat belt is not fastened. If the seat belt is unfastened, the buzzer sounds intermittently for a certain period of time, after the seat belt is fastened and unfastened and the vehicle reaches a certain speed.

■ Warning buzzer

In some cases, the buzzer may not be heard because of noisy place or an 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.

■ Speed warning buzzer (for India)

The buzzer sounds when your vehicle speed reaches or exceeds 80 km/h (50 mph). Then, the buzzer sounds when your vehicle speed reaches or exceeds 120 km/h (75 mph) in a different tone.

■ If the malfunction indicator lamp comes on while driving

For some models, 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.

■ Power steering system warning light (if equipped)

When the battery charge becomes insufficient or the voltage temporarily drops, the power steering system warning light may come on.

■ When the tire pressure warning light comes on (vehicles with tire pressure warning system)

Inspect the tires to check if a tire is punctured.

If a tire is punctured: →P.653

If none of the tires are punctured:

Turn the engine switch to 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 approximately 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.

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.607)

■ The tire pressure warning light may come on due to natural causes (vehicles with tire pressure warning system)

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

■ When a tire is replaced with a spare tire (vehicles with tire pressure warning system)

The spare tire is also equipped with the 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, even though the flat tire is replaced with the spare tire, the tire pressure warning light does not turn off. Replace the spare tire with the repaired tire and adjust the proper tire inflation pressure. The tire pressure warning light will turn off after a few minutes.

■ Conditions that the tire pressure warning system may not function properly

→P.604

⚠ WARNING

■ If a warning light comes on or a warning buzzer sounds when a warning message is shown on the multi-information display

Check and follow the message shown on the multi-information display.

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

■ 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 power steering system warning light comes on (if equipped)

The assist to the power steering is restricted and handling operations of the steering wheel become extremely heavy.
If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

■ If the tire pressure warning light comes on (vehicles with tire pressure warning system)

Be sure to observe the following precautions. Failure to do so could cause a loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.

WARNING

- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If a tire is flat, change it with the spare tire and have the flat tire repaired by the nearest Toyota dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ If a blowout or sudden air leakage should occur (vehicles with tire pressure warning system)

The tire pressure warning system may not activate immediately.

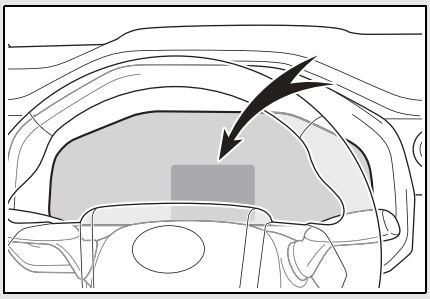
NOTICE

■ To ensure the tire pressure warning system operates properly (vehicles with tire pressure warning system)

Do not install tires with different specifications or manufacturers, 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.



If a warning message is displayed again after the appropriate actions have been performed, contact your Toyota dealer.

Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected by your Toyota dealer immediately.

Warning light	Warning buzzer*	Warning
—	Sounds	• Indicates an important situation, such as when a system related to driving is malfunctioning or that danger may result if the correction procedure is not performed • Indicates a situation, such as when damage to the vehicle or danger may result
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	• Indicates a condition, such as malfunction of electrical components, their condition, or indicates the need for maintenance • Indicates a situation, such as when an operation has been performed incorrectly, or indicates how to perform an operation correctly

*: 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 because of noisy place or an audio sound.

■ 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 about an operation is shown

● If a message about an operation of the accelerator pedal or brake pedal is shown

- A warning message about an operation of the brake pedal may be shown while the driving assist systems such as PCS (Pre-Collision system) (if equipped) or the dynamic radar cruise control (if equipped) is operating. If a warning message is shown, be sure to decelerate the vehicle or follow an instruction shown on the multi-information display.
- A warning message is shown when Brake Override System operates. (→P.240)
- A warning message is shown when Drive-Start Control (→P.245) operates. Follow the instructions on the multi-information display.

● If a message about an operation of the engine switch is shown

An instruction for operation of the engine switch is shown when the incorrect procedure for starting the engine is performed or the engine switch is operated incorrectly. Follow the instructions shown on the multi-information display to operate the engine switch again.

● If a message about a shift lever operation is shown

To prevent the shift lever from being operated incorrectly or the vehicle from moving unexpectedly, a message that requires shifting the shift lever may be shown on the multi-information display. In that case, follow the instruction of the message and shift the shift lever.

● If a message or image about an open/close state of a part or replenishment of a consumable is shown

Confirm the part indicated by the multi-information display or a warning light, and then perform the coping method such as closing the open door or replenishing a consumable.

■ If a message that indicates the need for referring to Owner's Manual is displayed

● If the following messages are shown, follow the instructions, accordingly.

- "Engine Coolant Temp High" (→P.674)
- "AdBlue level Low Fill up AdBlue in 2400km" (→P.597)
- "AdBlue level Low No start in 1100km" (→P.597)
- "AdBlue empty Unable to restart engine Fill up AdBlue" (→P.597)
- "DPF full" (→P.492)

● If the following messages are shown, there may be a malfunction. Immediately have the vehicle inspected by your Toyota dealer.

- "Transmission Oil Temp High Stop in a Safe Place and See Owner's Manual"
- "Smart Entry & Start System Malfunction"
- "Brake Hold Unavailable"

● If the following messages are shown, there may be a malfunction. Immediately stop the vehicle in a safe place and contact your Toyota dealer. Continuing to drive the vehicle may be dangerous.

- "Oil Pressure Low"
- "Braking Power Low"

● "12-Volt Battery Charging System Malfunction Stop in a Safe Place See Owner's Manual" is displayed

Indicates a malfunction in the vehicle's charging system. Pull over and stop the vehicle as soon as it is safe to do so.

While the message is displayed, the functions of the air conditioning, etc. may be partially limited in order to reduce the power consumption of the battery.

■ If "Shift into P before exiting vehicle" is displayed

Message is displayed when the driver's door is opened without turning the engine switch to OFF with the shift lever in any position other than P.

Shift the shift lever to P.

■ If "Auto Power OFF to Conserve Battery" is displayed

Power was turned off due to the automatic power off function.

Next time when starting the engine, increase the engine speed slightly and maintain that level for approximately 5 minutes to recharge the battery.

■ If "Engine Oil Level Low Add or Replace" is displayed

The engine oil level may be low. Check the level of the engine oil, and add engine oil if necessary. (→P.585) This message may be displayed if the vehicle is stopped on a slope. Move the vehicle to a level surface and check if the message disappears.

■ If "Oil Maintenance Required Soon" is displayed (if equipped)

Indicates that the engine oil should be scheduled to be changed.

Check the engine oil and change it if necessary. After changing the engine oil, make sure to reset the message. (→P.586)

■ **If “Oil Maintenance Required” is displayed (if equipped)**

Indicates that the engine oil should be changed.

Check and change the engine oil, and oil filter by your Toyota dealer. After changing the engine oil, make sure to reset the message. (→P.586)

■ **If “DPF FULL MANUAL REGENERATION REQUIRED SEE OWNER’S MANUAL” is displayed**

The deposit collected in the filter needs to be regenerated.

→P.492

■ **If “DPF regeneration in progress” is displayed**

Regeneration is being automatically carried out by the DPF system.

→P.492

■ **If “Parking Assist Unavailable Sensor Blocked” is displayed on the multi-information display**

A sensor may be covered with water drops, ice, snow, dirt, etc. Remove the water drops, 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 sensor is dirty, the position of the dirty sensor will be shown on the display.

If an abnormality is displayed even though there are no water drops, ice, snow or dirt, the sensor may be operating abnormally. Have the vehicle inspected by your Toyota dealer.

■ **If “Parking Assist Unavailable Low Visibility See Owner’s Manual” is displayed**

Indicates one of the following systems is disabled.

- RCD (Rear Camera Detection) (if equipped)
- PKSB (Parking Support Brake) (if equipped)

Remove any dirt or foreign matter from the rear cameras.

■ **If “System Malfunction Visit Your Dealer” is displayed**

Indicates one of the following systems is disabled.

- PCS (Pre-Collision System) (if equipped)
- LDA (Lane Departure Alert) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- AHB (Automatic High Beam) (if equipped)
- AHS (Adaptive High-beam System) (if equipped)
- Dynamic radar cruise control (if equipped)
- RSA (Road Sign Assist) (if equipped)
- BSM (Blind Spot Monitor) (if equipped)
- RCTA (Rear Cross Traffic Alert) (if equipped)
- Safe Exit Assist (if equipped)
- Toyota parking assist-sensor (if equipped)
- PKSB (Parking Support Brake) (if equipped)
- RCD (Rear Camera Detection) (if equipped)

Have the vehicle inspected by your Toyota dealer immediately.

■ **If "System Stopped See Owner's Manual" is displayed**

Indicates one of the following systems is disabled.

Check the displayed icon, and follow the following correction methods.

- PCS (Pre-Collision System) (if equipped)
- LDA (Lane Departure Alert) (if equipped)
- LTA (Lane Tracing Assist)
- AHB (Automatic High Beam) (if equipped)
- AHS (Adaptive High-beam System) (if equipped)
- Dynamic radar cruise control (if equipped)
- RSA (Road Sign Assist) (if equipped)
- BSM (Blind Spot Monitor) (if equipped)
- RCTA (Rear Cross Traffic Alert) (if equipped)
- Safe Exit Assist (if equipped)
- Toyota parking assist-sensor (if equipped)
- PKSB (Parking Support Brake) (if equipped)
- RCD (Rear Camera Detection) (if equipped)

Follow the following correction methods.

- Check the voltage of the battery
- Vehicles with Toyota Safety Sense: Check the sensors that the Toyota Safety Sense uses for foreign matter covering them. Remove them if any. (→P.307)
- Vehicles with RCD: Check if the back door is open.
- Check the situations in which the sensors may not operate properly, and improve the situation if applicable. (→P.368, 371, 374, 376, 380, 385, 391, 395)
- Check if there is any foreign matter attached to the rear bumper near the radar sensor and remove it if there is. (→P.365)
- Check the sensors including camera sensors for foreign matter covering them. Remove them if any. (→P.382)
- When problems are solved and the sensors are operational, this indication may disappear by itself.

■ **If "System Stopped Front Camera Low Visibility See Owner's Manual" is displayed**

Indicates one of the following systems is disabled.

- PCS (Pre-Collision System) (if equipped)
- LDA (Lane Departure Alert) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- AHB (Automatic High Beam) (if equipped)
- AHS (Adaptive High-beam System) (if equipped)
- Dynamic radar cruise control (if equipped)
- RSA (Road Sign Assist) (if equipped)

Follow the following correction methods.

- Using the windshield wipers, remove the dirt or foreign matter from the

windshield.
- Using the air conditioning system, defog the windshield.
- Close the hood, remove any stickers, etc. to clear the obstruction in front of the front camera.

■ If "System Stopped Front Camera Out of Temperature Range Wait until Normal Temperature" is displayed

Indicates one of the following systems is disabled.

- PCS (Pre-Collision System) (if equipped)
- LDA (Lane Departure Alert) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- AHB (Automatic High Beam) (if equipped)
- AHS (Adaptive High-beam System) (if equipped)
- Dynamic radar cruise control (if equipped)
- RSA (Road Sign Assist) (if equipped)

Follow the following correction methods.
- If the front camera is hot, such as after the vehicle is 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

■ If "System Stopped Front Radar Sensor Blocked Clean Radar Sensor" is displayed

Indicates one of the following systems is disabled.

- PCS (Pre-Collision System) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- Dynamic radar cruise control (if equipped)

Follow the following correction methods.
- Check if there is any foreign matter attached to the radar sensor or radar sensor cover and clean them if necessary (→P.308)
- This message may be displayed when driving in an open area with few nearby vehicles or structures, such as a desert, grasslands, suburbs, etc. The message may be cleared by driving the vehicle in an area with structures, vehicles, etc. nearby.

■ If "System Stopped Front Radar Sensor Out of Temperature Range Wait until Normal Temperature" is displayed

Indicates one of the following systems is disabled.

- PCS (Pre-Collision System) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- Dynamic radar cruise control (if equipped)

The temperature of the radar sensor is outside of the operating range. Wait for the temperature to become appropriate.

■ If "System Stopped Front Radar In Self Calibration See Owner's Manual" is displayed

Indicates one of the following systems is

disabled.

- PCS (Pre-Collision System) (if equipped)
- LTA (Lane Tracing Assist) (if equipped)
- Dynamic radar cruise control (if equipped)

Follow the following correction methods.

- Check if there is any foreign matter attached to the radar sensor or radar sensor cover and clean them if necessary (→P.308)
- The radar sensor may be misaligned and will be adjusted automatically while driving. Continue driving for a while.

■ If "Cruise Control Unavailable See Owner's Manual" is displayed

Indicates one of the following systems is disabled.

- Dynamic radar cruise control (if equipped)
- Cruise control

A message is displayed when the driving assist switch is pushed repeatedly.

Press the driving assist switch quickly and firmly.

■ If a following message is shown, take appropriate action and confirm that the message has disappeared.

- "Drive Mode Select Unavailable See Owner's Manual" (→P.473)
- "DAC Unavailable See Owner's Manual" (→P.489)
- "CRAWL Unavailable See Owner's Manual" (→P.483)
- "MTS Unavailable See Owner's Manual" (→P.486)
- "Turn Assist Function Unavailable Check System Operation Conditions" (→P.485)
- "Turn Assist Function Unavailable Activate CRAWL" (→P.482)

■ If "Speed Limit Exceeded" is displayed (on some models)

The vehicle speed has reached or exceeded 120 km/h (75 mph). At this time, a buzzer also sounds. The buzzer will stop sounding after 6 seconds or if you decelerate to below 120 km/h (75 mph). Reduce your vehicle speed.

WARNING

■ If a warning light comes on or a warning buzzer sounds when a warning message is shown on the multi-information display

Check and follow the message displayed on the multi-information display. Failure to do so may result in death or serious injury.

NOTICE

■ While the engine oil level warning is displayed

Continued engine operation with low engine oil will damage the engine.

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.602

WARNING

■ If you have a flat tire

Do not continue driving with a flat tire.

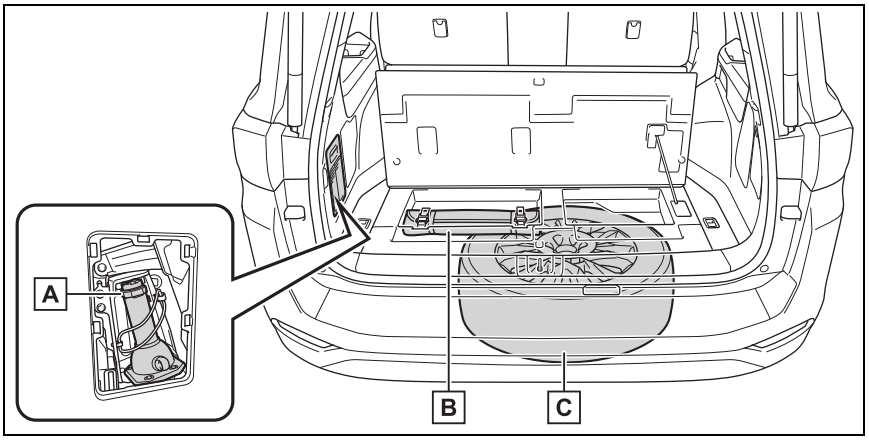
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair, which could result in an accident.

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.
- Turn off the intrusion sensor and tilt sensor (if equipped) (→P.113)
- Stop the engine.
- Turn on the emergency flashers. (→P.628)

Location of the spare tire, jack and tools

▶ 5-passenger models

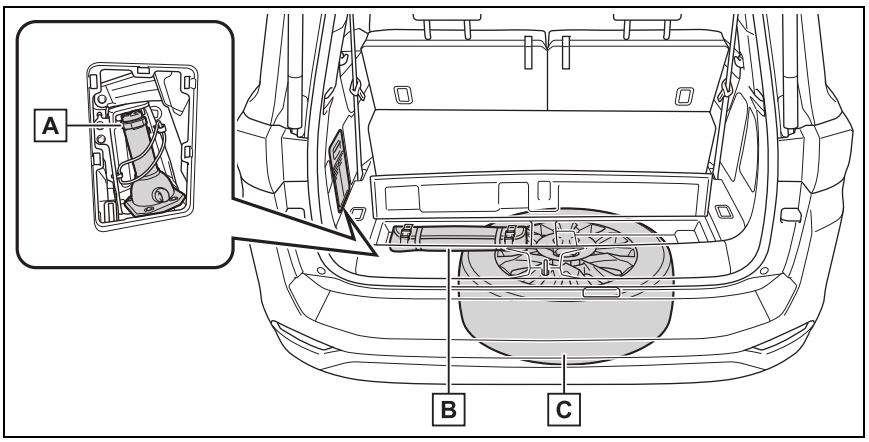


A Jack

B Tool bag

C Spare tire

▶ 7-passenger models

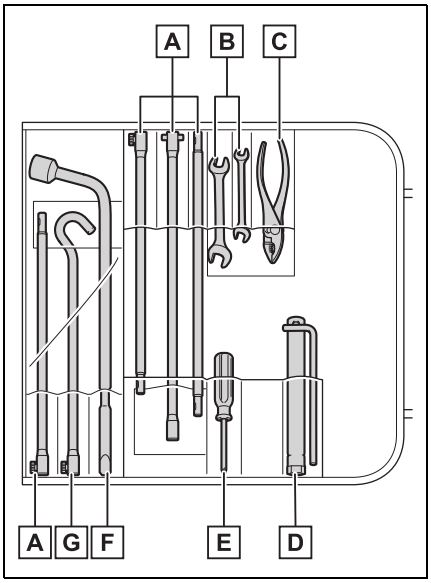


A Jack

B Tool bag

C Spare tire

Tools



A Jack handle extension bar

B Spanner

C Plier

D Spark plug wrench (if equipped)

E Screwdriver

F Wheel nut wrench

G Jack handle bar

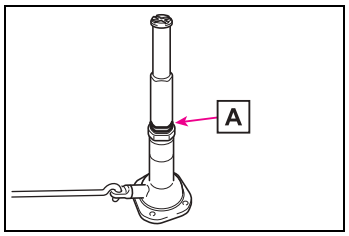
WARNING

■ Using the tire jack

Observe the following precautions.

Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire.
  Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Put the jack properly in its jack point.
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start the engine or drive the vehicle while the vehicle is supported by the jack.
- 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.
- Do not continue jacking up once the yellow caution line A has appeared.



- Use a jack stand if it is necessary to get under the vehicle.

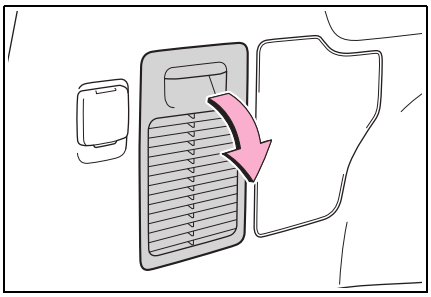
Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle will be injured.

■ Using the jack handle

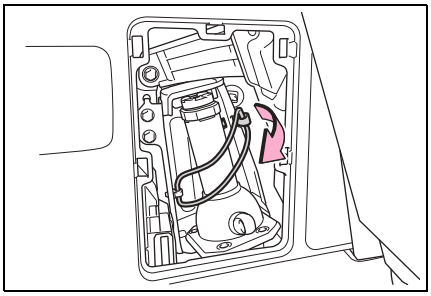
Tighten all the jack handle bolts securely using the wheel nut wrench, to prevent the extension parts from coming apart unexpectedly.

Taking out the jack

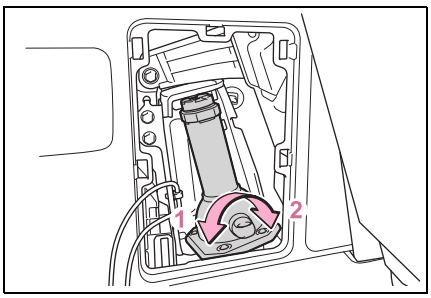
1 Remove the cover.



2 Unhook the rubber strap.



3 Take out the jack.



1 Loosen

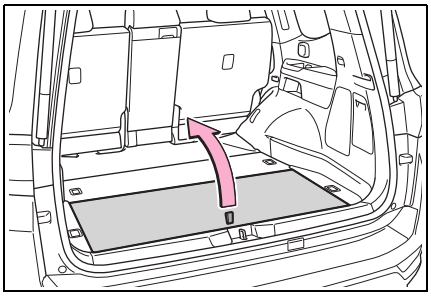
2 Tighten

After using the jack, install the jack in the exact reverse order from which it was removed. Also, the jack should be properly secured using a rubber strap.

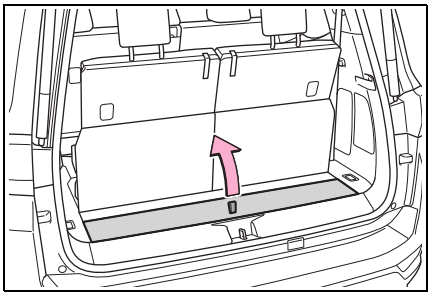
Taking out the tool bag

1 Lift the deck board.

▶ 5-passenger models

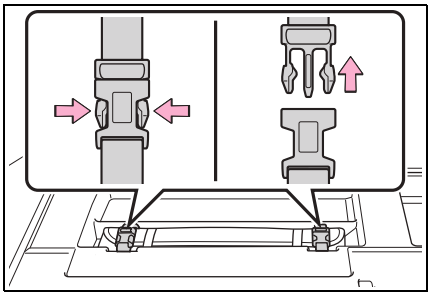


▶ 7-passenger models

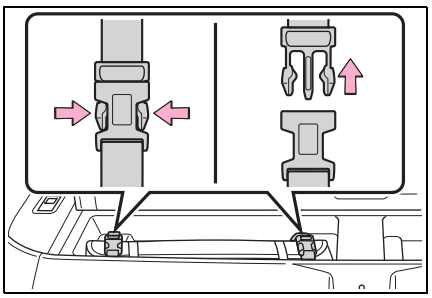


2 Take out the tool bag.

▶ 5-passenger models



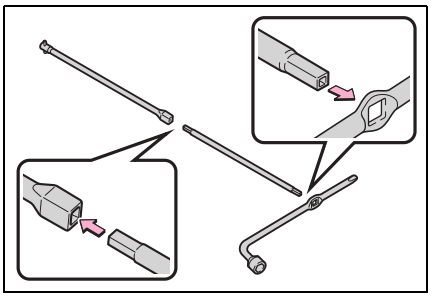
▶ 7-passenger models



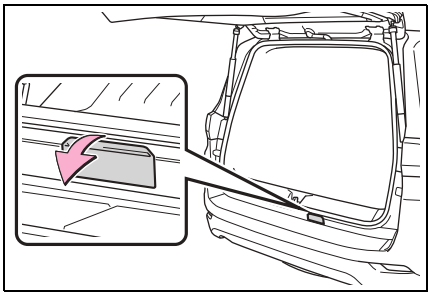
Taking out the spare tire

1 Assembling the jack handle.

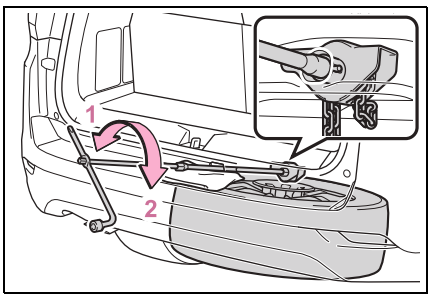
Remove the jack handle extension bar and wheel nut wrench from the tool bag and assemble by following these steps.



2 Remove the cover.



3 Insert the jack handle into the lowering screw.

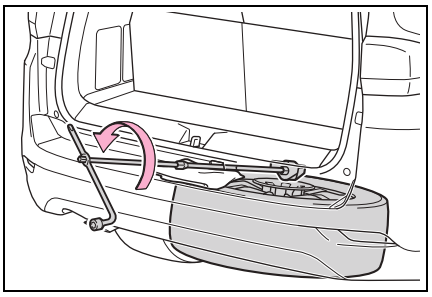


1 Lower

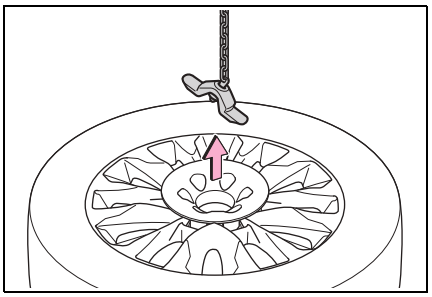
2 Raise

Place a rag under the jack handle to protect the rear bumper.

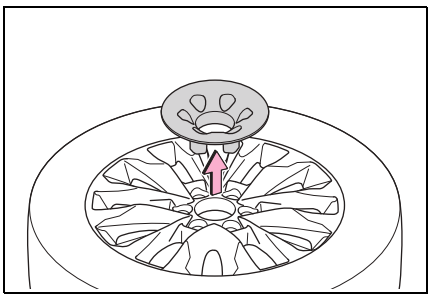
4 Lower the spare tire completely to the ground.



5 Pull out the spare tire and remove the holding bracket.

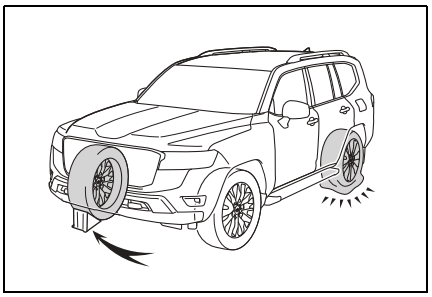


6 Vehicles with aluminum wheels: Remove the spare wheel cover.



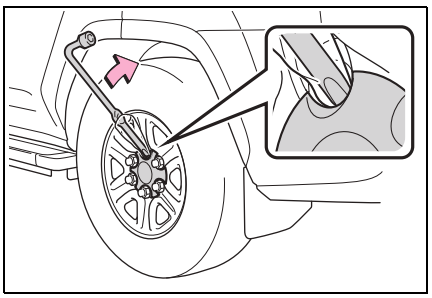
Replacing a flat tire

1 Chock the tires.

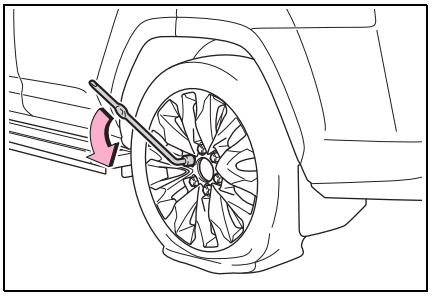


Flat tire	Wheel chock positions
Front left-hand side	Behind the rear right-hand side tire
Front right-hand side	Behind the rear left-hand side tire
Rear left-hand side	In front of the front right-hand side tire
Rear right-hand side	In front of the front left-hand side tire

2 Vehicles with steel wheels: Pry off the wheel ornament, using the beveled end of the wheel ornament remover as shown.

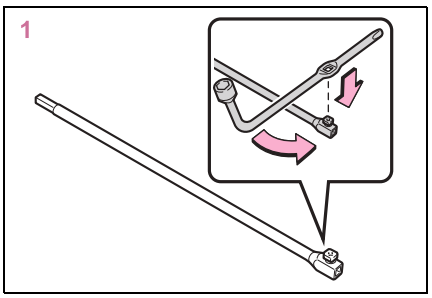


3 Slightly loosen the wheel nuts (one turn).



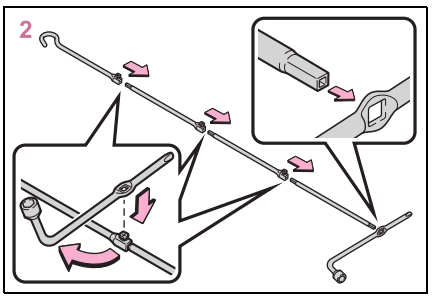
4 Assembling the jack handle.

Remove the jack handle bar, jack handle extension bar and wheel nut wrench from the tool bag and assemble by following these steps.



1 Loosen the bolt using a wheel

nut wrench.

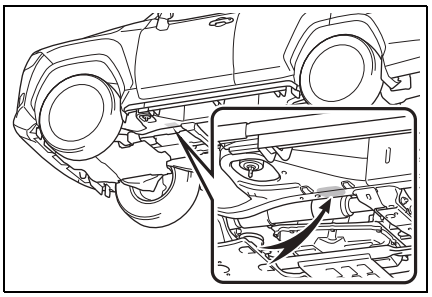


2 Assemble the jack handle bar, jack handle extension bar and wheel nut wrench and tighten the bolts.

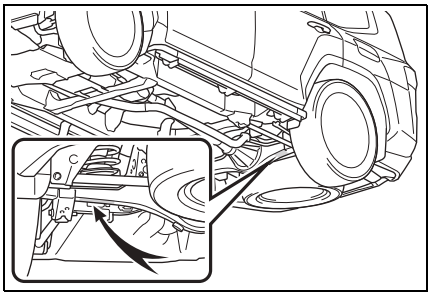
Check that the bolts are firmly tightened.

5 Position the jack at the jack points as shown.

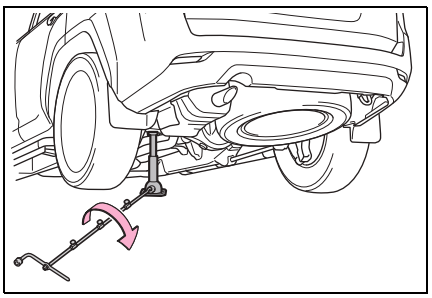
▶ Front



▶ Rear

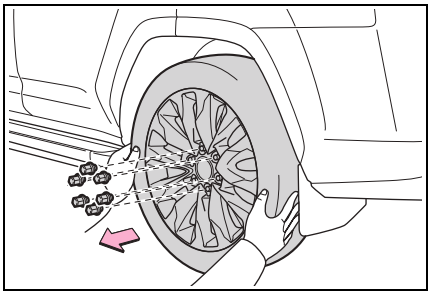


6 Raise the vehicle until the tire is slightly raised off the ground.



7 Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.



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.
- Observe the following precautions. Failure to do so may result in serious injury:

WARNING

- Lower the spare tire completely to the ground before removing it from under the vehicle.
- Do not try to remove the wheel ornament by hand. Take due care in handling the ornament to avoid unexpected personal injury.

● Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.

- After replacing a tire, check the tightening torque as soon as possible.
  Wheel nut torque (steel wheel): 209 N•m (21.3 kgf•m, 154 ft•lbf)
  Wheel nut torque (aluminum wheel): 131 N•m (13.4 kgf•m, 97 ft•lbf)
- 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.
- When installing the wheel nuts, be sure to install them with the tapered ends facing inward.

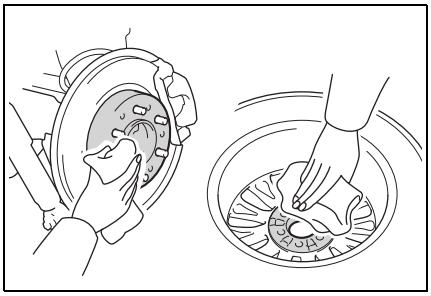
■ **Replacing a flat tire for vehicles with power back door**

In cases such as when replacing tires, make sure to cancel the power back door system. (→P.194) 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

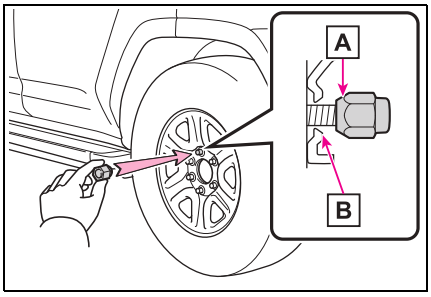
1 Remove any dirt or foreign matter from the wheel contact surface.

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.



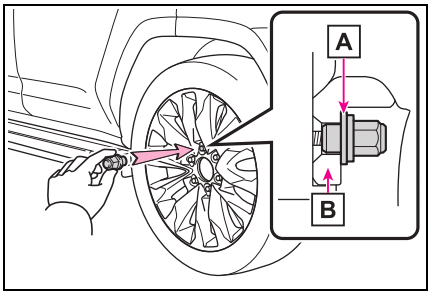
2 Install the spare tire and loosely tighten each wheel nut by hand by approximately the same amount.

When replacing a steel wheel with a steel wheel, tighten the nuts until the tapered portion A comes into loose contact with the disc wheel seat B .

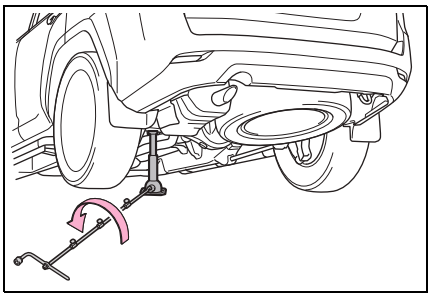


When replacing an aluminum wheel with an aluminum wheel, turn the wheel nuts until the washers A come into

contact with the disc wheel B .

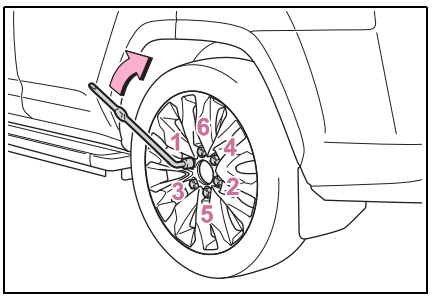


3 Lower the vehicle.



4 Securely tighten the wheel nuts two or three times in the order shown in the illustration using a wheel nut wrench.

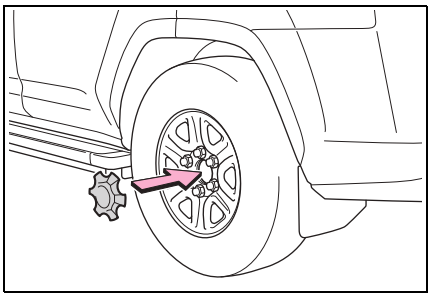
Tightening torque:
Steel wheels
209 N•m (21.3 kgf•m, 154 ft•lbf)
Aluminum wheels
131 N•m (13.4 kgf•m, 97 ft•lbf)



5 Reinstall the wheel ornament.

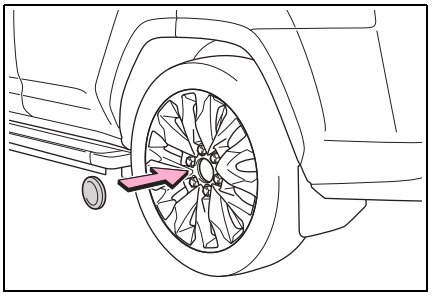
▶ Vehicles with steel wheels

Reinstall the wheel ornament.



▶ Vehicles with aluminum wheels

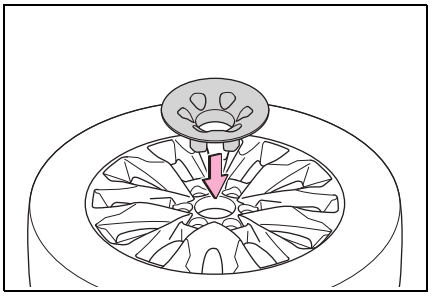
Remove the center wheel ornament from the flat tire by pushing from the reverse side, and reinstall it.



Stowing the flat/spare tire, jack and tools

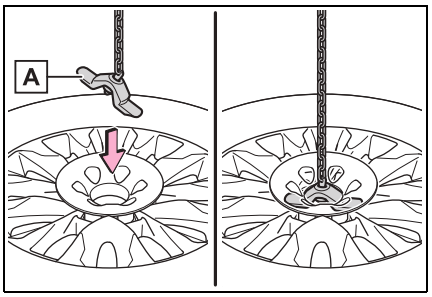
1 Lay down the tire with the valve stem facing up

2 Aluminum wheels: Install the spare wheel cover.



3 Install the holding bracket A . Turn the jack handle extension clockwise to take up slack in the chain.

Then, check to ensure the holding bracket is centered in the wheel hub.



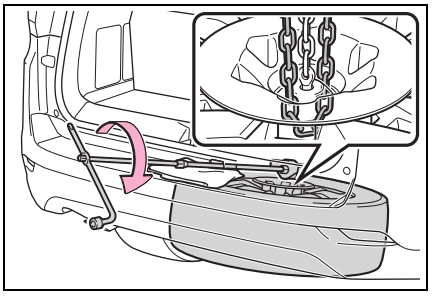
4 Raise the tire.

Place a rag under the jack handle to protect the rear bumper.

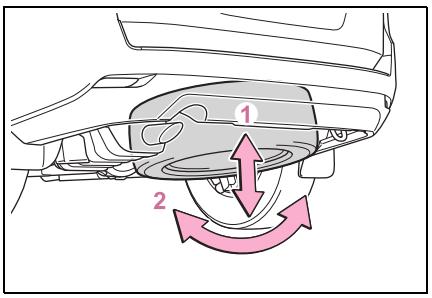
While raising, secure the tire, taking care that the tire goes straight up without catching on any surrounding part, to prevent it from flying forward during a collision or sudden braking.

After the tire goes half way up, check that the suspended chain is able to enter the tire hole, for proper storage.

Tightening torque:
47 N•m (4.8 kgf•m, 34.7 ft•lbf)



5 Confirm that the tire is not loose after tightening:



1 Push and pull the tire

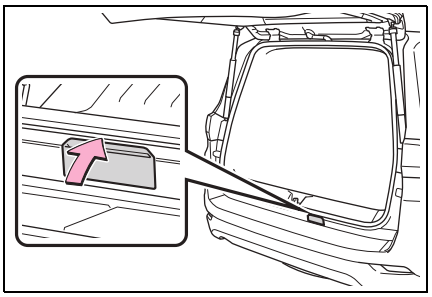
2 Try rotating

Visually check to ensure the tire is not hung on surrounding parts.

If looseness or misassembly exists, repeat step 4 and step 5.

6 Repeat step 5, any time the tire is lowered or disturbed.

7 Install the cover as shown in the illustration.



8 Stow the tools and jack securely.

■ After completing the tire change (vehicles with the tire pressure warning system)

The tire pressure warning system must be reset. (→P.603)

WARNING

■ Stowing the flat tire

Failure to follow the proper steps listed under stowing the tire may result in damage to the spare tire carrier and loss of the tire, which could result in death or serious injury.

■ After using the tools and jack

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

NOTICE

■ When stowing the flat tire

Ensure that there is no object caught between the tire and the vehicle underbody.

■ When replacing the tires (vehicles with the tire pressure warning system)

When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Toyota dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

■ To avoid damage to the tire pressure warning valves and transmitters (vehicles with the tire pressure warning system)

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Toyota dealer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. (→P.605)

If the engine will not start

If the engine will not start even though correct starting procedures are being followed (→P.265), consider each of the following points:

The engine will not start even though the starter motor operates normally

One of the following may be the cause of the problem:

- There may not be sufficient fuel in the vehicle's tank.
  Gasoline engine:
  Refuel the vehicle.
  Diesel engine: →P.677
- The engine may be flooded. (gasoline engine)
  Try to restart the engine again following correct starting procedures. (→P.265)
- There may be a malfunction in the engine immobilizer system. (→P.110)

The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume

One of the following may be the cause of the problem:

- The battery may be discharged. (→P.667)
- The battery terminal connections may be loose or corroded.

The starter motor does not turn over

- Vehicles with fingerprint authentication system: When the fingerprint authentication system is on, fingerprint authentication may have failed or the fingerprint sensor may be malfunctioning. (→P.116)
- The engine starting system may be malfunctioning due to an electrical problem such as electronic key battery depletion or a blown fuse. However, an interim measure is available to start the engine. (→P.664)

The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound

One of the following may be the cause of the problem:

- The battery may be discharged. (→P.667)
- One or both of the battery terminals may be disconnected.
- There may be a malfunction in the steering lock system.

Contact your Toyota dealer if the problem cannot be repaired, or if repair procedures are unknown.

Emergency start function

When the engine does not start, the following steps can be used as an interim measure to start the engine if the engine switch is functioning normally:

1 Pull the parking brake switch to check that the parking brake is set. (→P.278)

Parking brake indicator will come on.

2 Shift the shift lever to P.

3 Turn the engine switch to ACC.*1, 2

4 Press and hold the engine switch for about 15 seconds while depressing the brake pedal.

Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

*1: ACC mode can be enabled/disabled on the customize menu. (vehicles with a multimedia system) (→P.711)

*2: When ACC is disabled, turn the engine switch to ON then OFF, and perform the following step within 5 seconds.

If you lose your keys

New genuine keys can be made by your Toyota dealer using the other 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 electronic key or fingerprint authentication system* does not operate properly

*: If equipped

If communication between the electronic key and vehicle is interrupted (→P.197) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors can be opened and the engine can be started by following the procedure below.

Vehicles with fingerprint authentication system: When the engine cannot be started without successfully performing fingerprint authentication, or when the fingerprint sensor has malfunctioned, the engine can be started using the following procedure.

■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.706)
- Check if battery-saving mode is set. If it is set, cancel the function. (→P.197)
- The electronic key function may have stopped. (→P.197)

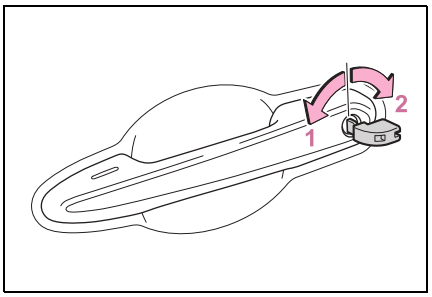
NOTICE

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

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

Locking and unlocking the doors

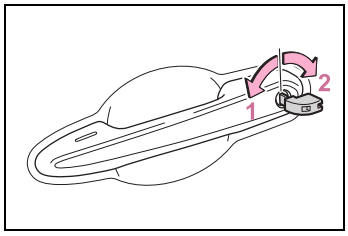
Use the mechanical key (→P.172) in order to perform the following operations.



1 Locks all the doors

2 Unlocks all the doors

■ Key linked functions (if equipped)



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

WARNING

■ When using the mechanical key and operating the power windows or the moon roof (if equipped)

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

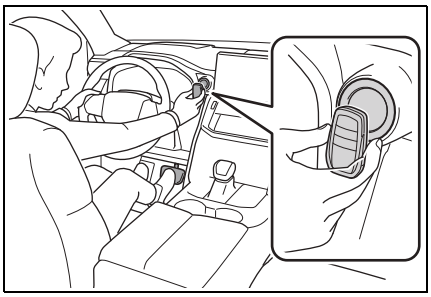
Starting the engine

1 Ensure that the shift lever is in P and depress the brake pedal.

2 Touch the area behind the buttons on the electronic key to engine switch.

When the electronic key is detected, a buzzer sounds and the engine switch will turn to ON.

When the smart entry & start system is deactivated in customization setting and ACC customization is in on, the engine switch will turn to ACC.



3 Firmly depress the brake pedal and check that  and a message are displayed on the multi-information display.

4 Press the engine switch shortly and firmly.

Vehicles with fingerprint authentication system: Use the customization function to turn the fingerprint authentication system off. The engine can be started even in this state, as long as you are holding the electronic key.

In the event that the engine still cannot be started, contact your Toyota dealer.

■ Stopping the engine

Shift the shift lever to P, set the parking brake and press the engine switch as you normally do when stopping the engine.

■ Replacing the key battery

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P.616)

■ Alarm (if equipped)

Using the mechanical key to lock the doors will not set the alarm system.

If a door is unlocked using the mechanical key when the alarm system is set, the alarm may be triggered. (→P.112)

■ Changing engine switch modes

Release the brake pedal and press the engine switch in step 3 above.
The engine does not start and modes will be changed each time the switch is pressed. (→P.268)

If the vehicle battery is discharged

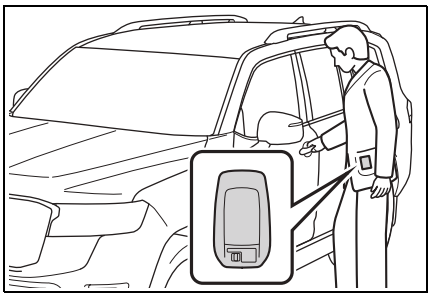
The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can also call your Toyota dealer or a qualified repair shop.

Restarting the engine

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

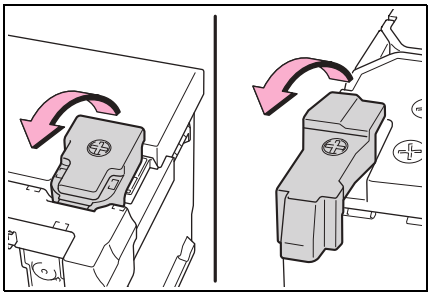
1 Confirm that the electronic key is being carried.

When connecting the jumper (or booster) cables, depending on the situation, the alarm may activate and the doors locked. (→P.113)

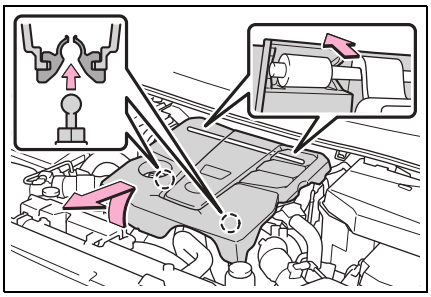


2 Open the hood (→P.579) and keep the engine compartment cover opened or removing the cover (if equipped). (→P.583)

3 Open the positive (+) battery terminal cover.



Lift the edge of the cover to disengage the fixed pins, and then pull the cover towards you to remove it.

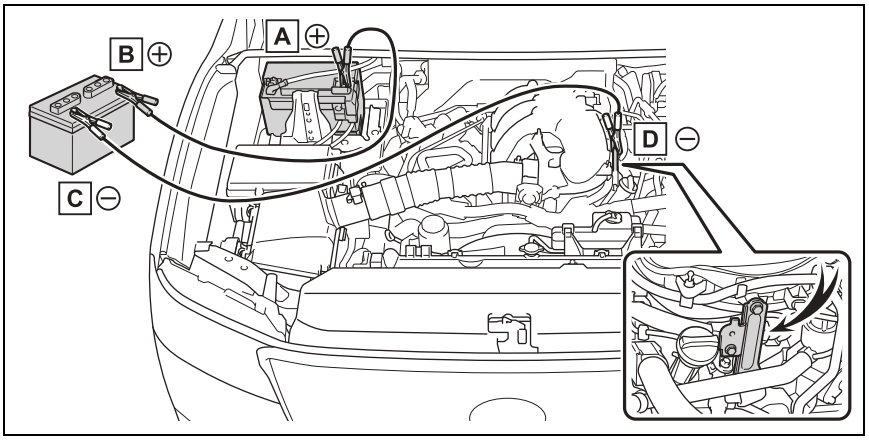


4 V35A-FTS engine: Remove the engine cover.

5 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 .

Use jumper cables that can reach the specified terminals and connecting point.

▶ 1GR-FE engine



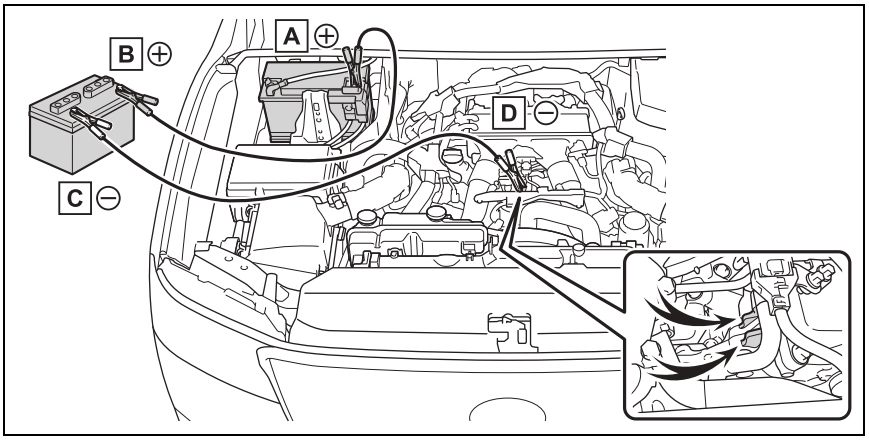
A Positive (+) battery terminal (your vehicle)

B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Metallic point shown in the illustration

▶ V35A-FTS engine (left-hand drive vehicles)



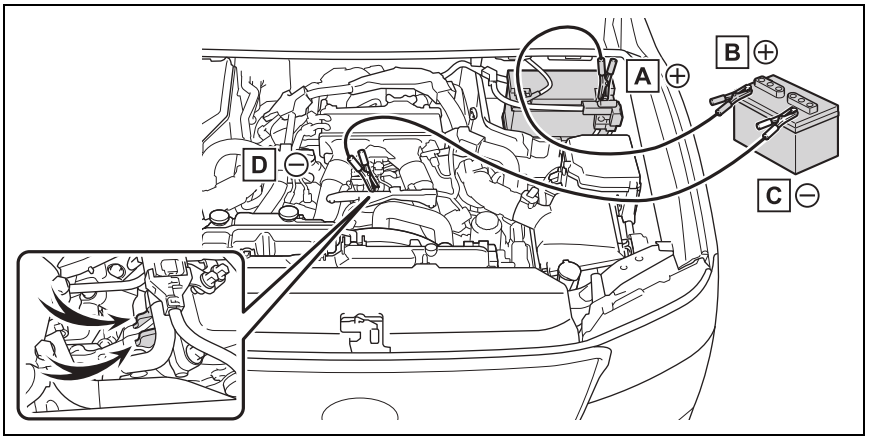
A Positive (+) battery terminal (your vehicle)

B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Metallic point shown in the illustration

▶ V35A-FTS engine (right-hand drive vehicles)



A Positive (+) battery terminal (your vehicle)

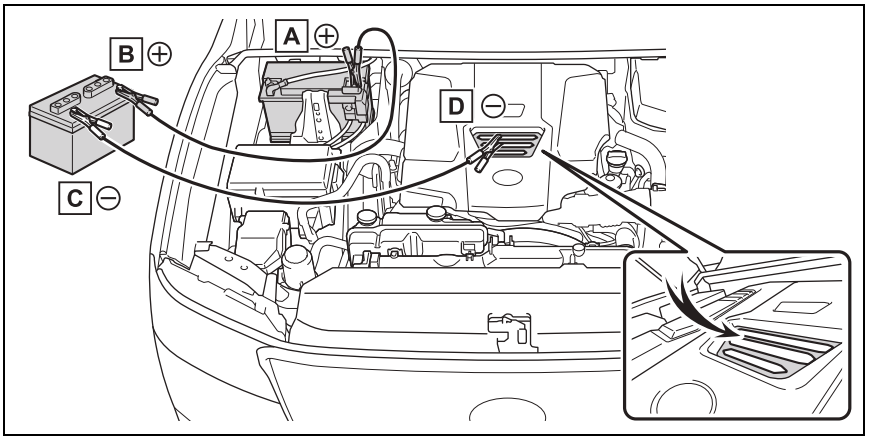
B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Metallic point shown in the illustration

▶ F33A-FTV engine (left-hand drive vehicles)

Type A:



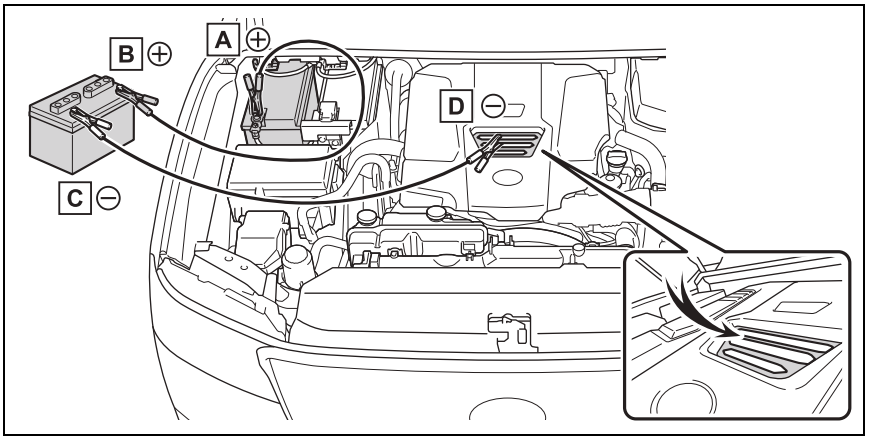
A Positive (+) battery terminal (your vehicle)

B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Metallic point shown in the illustration

Type B:



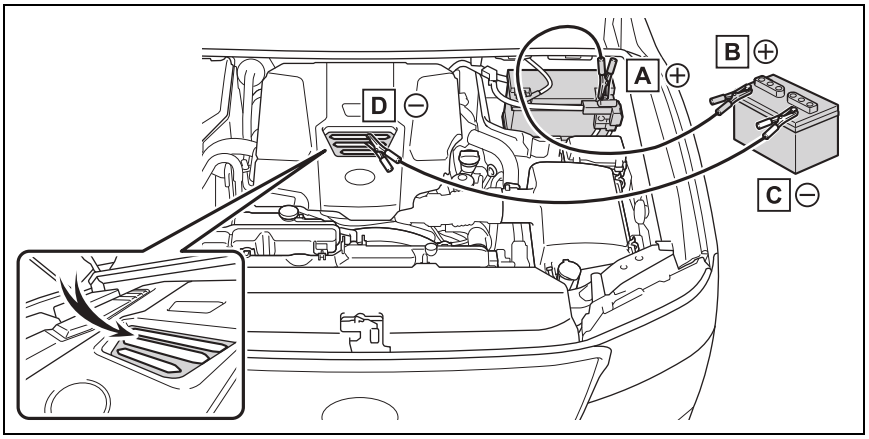
A Positive (+) battery terminal (your vehicle)

B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Metallic point shown in the illustration

▶ F33A-FTV engine (right-hand drive vehicles)



A Positive (+) battery terminal (your vehicle)

B Positive (+) battery terminal (second vehicle)

C Negative (-) battery terminal (second vehicle)

D Metallic point shown in the illustration

6 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.

7 Open and close any of the doors of your vehicle with the engine switch off.

8 Maintain the engine speed of the second vehicle and start the engine of your vehicle by turning the engine switch to ON.

9 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order from which they were connected.

Gasoline engine: To install the engine cover, conduct the removal procedure in reverse. After installing, check that the fixed pins are inserted securely.

Once the engine starts, have the vehicle inspected at your Toyota dealer as soon as possible.

■ Starting the engine when the battery is discharged

The engine cannot be started by push-starting.

■ To prevent battery discharge

● Turn off the headlights and the audio system while the engine is stopped.

- 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 ACC customization is in off, power is still provided to the multimedia system even though the engine switch is off.
  To turn off the multimedia system, use the multimedia system power switch. For details, refer to the “Multimedia Owner’s Manual”.

■ When the battery is removed or discharged

Some systems may require initialization. (→P.720)

■ When removing the battery terminals

When the battery terminals are removed, the information stored in the ECU is cleared. Before removing the battery terminals, contact your Toyota dealer.

■ Charging the battery

The electricity stored in the battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the battery may discharge, and the engine may be unable to start. (The battery recharges automatically during driving.)

■ Replacing the battery

- Vehicles with Stop & Start system:
  Use a genuine battery specifically designed for use with the Stop & Start system or a battery with equivalent specifications to a genuine battery. If an unsupported battery is used, Stop & Start system functions may be restricted to protect the battery. Also, battery performance may decrease and the engine may not be able to restart. Contact your Toyota dealer for details.
- Use a battery that conforms to European regulations.

Type A: Use a battery that the case size is same as the previous one (LN3), 20 hours rate capacity (20HR) is equivalent (70Ah) or greater, and performance rating (CCA) is equivalent (600A) or greater.

Type B: Use a battery that the case size is same as the previous one (LN4), 20 hours rate capacity (20HR) is equivalent (80Ah) or greater, and performance rating (CCA) is equivalent (689A) or greater.

Type C: Use a battery that the case size is same as the previous one (LN4), 20 hours rate capacity (20HR) is equivalent (75Ah) or greater, and performance rating (CCA) is equivalent (776A) or greater.

- If the sizes differ, the battery cannot be properly secured.
- If the 20 hour rate capacity is low, even if the time period where the vehicle is not used is a short time, the battery may discharge and engine may not be able to start.

■ When recharging or replacing the battery (vehicles with Stop & Start system)

The Stop & Start system may not automatically stop the engine for up to an hour.

⚠ WARNING

■ When removing the battery terminals

Always remove the negative (-) terminal first. If the positive (+) terminal contacts any metal in the surrounding area when the positive (+) terminal is removed, a spark may occur, leading to a fire in addition to electrical shocks and death or serious injury.

WARNING

■ Avoiding battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery:

- Make sure each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the other end of the jumper cable connected to the "+" terminal to come into contact with any other parts or metal surfaces in the area, such as brackets or unpainted metal.
- Do not allow the + and - clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the battery.

■ Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery:

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention.
  Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

■ When replacing the battery

For information regarding battery replacement, contact your Toyota dealer.

NOTICE

■ When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fan or engine drive belt.

■ When connecting jumper cables

Make sure to connect jumper cables to the specified terminals and connecting point. Failure to do so may adversely affect the electronic devices or damage to them.

If your vehicle overheats

The following may indicate that your vehicle is overheating.

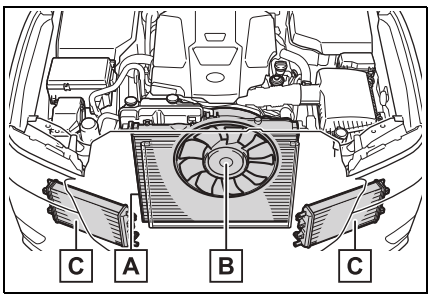
- The needle of the engine coolant temperature gauge (→P.130, 135) enters the red zone or a loss of engine power is experienced. (For example, the vehicle speed does not increase.)
- “Engine Coolant Temp High Stop in a Safe Place See Owner’s Manual” is shown on the multi-information display.
- Steam comes out from under the hood.

Correction procedures

1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the engine.

2 If you see steam:
Carefully lift the hood after the steam subsides.
If you do not see steam:
Carefully lift the hood.

3 After the engine has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.



A Engine radiator

B Cooling fan

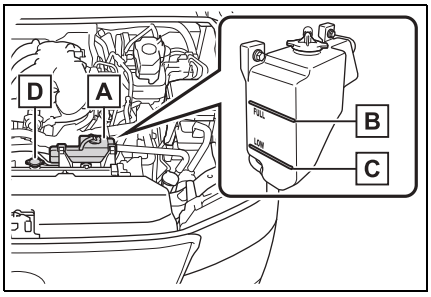
C Intercooler radiators (if equipped)

If a large amount of coolant leaks, immediately contact your Toyota dealer.

4 The coolant level is satisfactory if it is between the “FULL” and “LOW”/“F” and “L” lines on the reservoir.

▶ Engine coolant

1GR-FE engine:



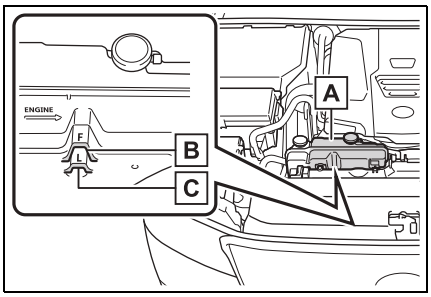
A Reservoir

B “FULL” or “F” line

C “LOW” or “L” line

D Radiator cap

V35A-FTS and F33A-FTV engines:

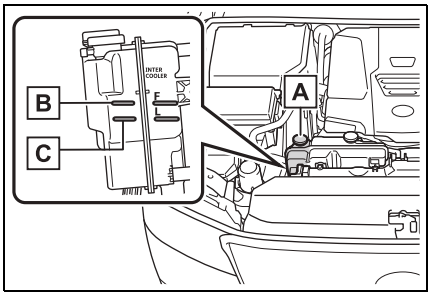


A Reservoir

B “F” line

C “L” line

▶ Intercooler coolant (if equipped)



A Reservoir

B “F” line

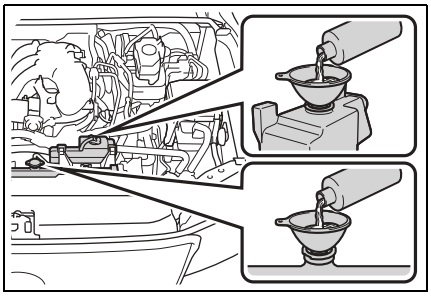
C “L” line

5 Add coolant if necessary.

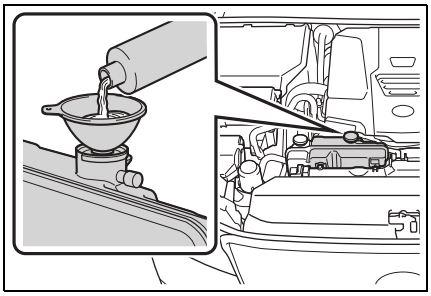
Water can be used in an emergency if coolant is unavailable.

▶ Engine coolant

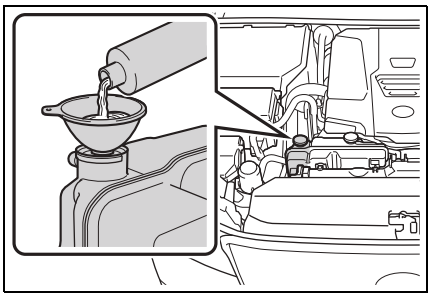
1GR-FE engine:



V35A-FTS and F33A-FTV engines:



▶ Intercooler coolant (if equipped)



6 Start the engine to check that the radiator cooling fan operates and to check for coolant leaks from the radiators or hoses.

7 If the fans are not operating:
Stop the engine immediately and contact your Toyota dealer.
If the fans are operating:
Have the vehicle inspected at the nearest Toyota dealer.

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 engine and contact your Toyota dealer.

If the message is not displayed: Have the vehicle inspected at the nearest Toyota dealer.

WARNING

■When inspecting under the hood of your vehicle

Observe the following precautions.

Failure to do so may result in serious injury such as burns.

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot.
- Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fans and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.
- Do not loosen the radiator cap (if equipped) or the engine coolant reservoir cap while the engine and engine radiator are hot. High temperature steam or coolant could spray out.

NOTICE

■When adding engine coolant

Add coolant slowly after the engine has cooled down sufficiently. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

■To prevent damage to the cooling system

Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use any coolant additive.

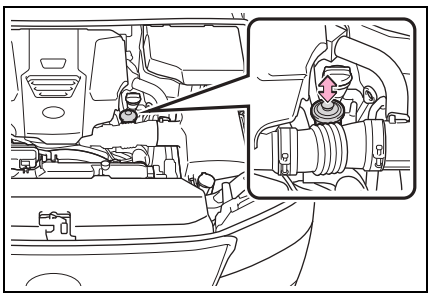
If you run out of fuel and the engine stalls (diesel engine only)

Operating procedure

If you run out of fuel and the engine stalls:

1 Refuel your vehicle.

2 To bleed the fuel system, operate the priming pump until you feel more resistance.



3 Start the engine. (→P.265)

If the engine does not start after the above steps have been performed, wait for 10 seconds and try steps **2** and **3** again. If the engine still does not start, contact your Toyota dealer.

After starting the engine, depress the accelerator pedal lightly until the engine runs smoothly.

NOTICE

■ When restarting the engine

- Do not crank the engine before refueling and operating the priming pump. This may damage the engine and fuel system.
- Do not crank the engine for more than 30 seconds at a time. This may overheat the starter and wiring system.

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

Recovering procedure

1 Stop the engine. Set the parking brake and shift the shift lever to P.

Do not press the shift release button after shifting the shift lever to P.

2 Remove the mud, snow or sand from around the rear wheels.

3 Place wood, stones or some other material under the rear wheels to help provide traction.

4 Restart the engine.

5 Shift the shift lever to D or R and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

■ When it is difficult to free the vehicle

Try the followings.

- Turn off the Active TRC (→P.496)
- Switching the four-wheel drive control switch (→P.475)
- Using the center differential lock (→P.476)
- Using the front differential lock* (→P.478)
- Using the rear differential lock* (→P.480)

- Using Crawl Control (with Turn Assist function)* (→P.481)
- Using Multi-terrain Select* (→P.486)

*: If equipped

WARNING

■When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

■When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed.

This may lead to unexpected rapid acceleration of the vehicle that may cause an accident resulting in death or serious injury.

NOTICE

■To avoid damaging the transmission and other components

- Avoid spinning the 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.
- When a warning message for the automatic transmission fluid temperature is displayed while attempting to free a stuck vehicle, immediately remove your foot from the accelerator pedal and wait until the warning message disappears. Otherwise, the transmission may become damaged. (→P.646)

Vehicle specifications 8

8-1. Specifications

Maintenance data (fuel, oil level, etc.) 680

Fuel information 698

8-2. Customization

Customizable features 700

8-3. Initialization

Items to initialize 720

Maintenance data (fuel, oil level, etc.)

Dimensions

▶ For vehicles with model code* that has “A”, “G”, “V” or “Z” as the 4th letter from “-”

*: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

Vehicles without aero rear bumper:

Overall length	Vehicles without pintle hook and hitch cover (type A) (→P.251)	4950 mm (194.9 in.)*1 4965 mm (195.5 in.)*2, 3, 5 4995 mm (196.7 in.)*2, 4, 5 5000 mm (196.9 in.)*2, 6
	Vehicles with hitch cover (type A) (→P.251)	4980 mm (196.1 in.)
	Vehicles with pintle hook	5115 mm (201.4 in.)*1 5130 mm (202.0 in.)*2, 3, 5 5160 mm (203.1 in.)*2, 4, 5 5165 mm (203.3 in.)*2, 6

*1: Vehicles without license bracket

*2: Vehicles with license bracket

*3: Vehicles without bumper guard

*4: Vehicles with bumper guard

*5: Vehicles without electric winch

*6: Vehicles with electric winch

Vehicles with aero rear bumper (sport type):

Overall length	4985 mm (196.3 in.)*1, 4, 5 5005 mm (197.0 in.)*1, 6 5015 mm (197.4 in.)*2 5140 mm (202.4 in.)*3

*1: Vehicles without pintle hook and hitch cover (type A) (→P.251)

*2: Vehicles with hitch cover (type A) (→P.251)

*3: Vehicles with pintle hook

*4: Vehicles without license bracket

*5: Vehicles with license bracket (except for EU license plate model)

*6: Vehicles with license bracket (for EU license plate model)

Vehicles with aero rear bumper (urban sport type):

Overall length	5020 mm (197.6 in.)*1 5030 mm (198.0 in.)*2 5165 mm (203.3 in.)*3

*1: Vehicles without pintle hook and hitch cover (type A) (→P.251)

*2: Vehicles with hitch cover (type A) (→P.251)

*3: Vehicles with pintle hook

▶ For vehicles with model code* that has “S” as the 4th letter from “-”

*: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

Overall length*1	▶ Vehicles with license bracket except for EU license plate model 4960 mm (195.3 in.)*2 4990 mm (196.5 in.)*3 5125 mm (201.8 in.)*4 ▶ Vehicles with license bracket for EU license plate model 4965 mm (195.5 in.)*2 4995 mm (196.7 in.)*3 5130 mm (202.0 in.)*4

*1: Unladen vehicle

*2: Vehicles without pintle hook and hitch cover (type A) (→P.251)

*3: Vehicles with hitch cover (type A) (→P.251)

*4: Vehicles with pintle hook

Overall width	1980 mm (78.0 in.)*1
	1990 mm (78.3 in.)*2

*1: For vehicles with model code*3 that has “A”, “G”, “V” or “Z” as the 4th letter from “-”

*2: For vehicles with model code*3 that has “S” as the 4th letter from “-”

*3: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

Overall height	1920 mm (75.6 in.)*1 1955 mm (77.0 in.)*2

*1: Vehicles with Certification Regulation label

*2: Vehicles without Certification Regulation label

Wheelbase		2850 mm (112.2 in.)
Tread	Front	1687 mm (66.4 in.)
	Rear	1688 mm (66.5 in.)

Weights (with towing hitch)

Gross vehicle mass		▶ 1GR-FE engine 3120 kg (6878 lb.) ▶ V35A-FTS engine 3230 kg (7121 lb.) ▶ F33A-FTV engine 3230 kg (7121 lb.)*1 3280 kg (7231 lb.)*2
Maximum permissible axle capacity	Front	1630 kg (3594 lb.)
	Rear	1930 kg (4255 lb.)
Drawbar load		140 kg (309 lb.)*1, 3 350 kg (772 lb.)*2 100 kg (221 lb.)*4
Towing capacity	With brake	2500 kg (5512 lb.)*4 3500 kg (7716 lb.)*3
	Without brake	750 kg (1653 lb.)

*1: Except for vehicles with model code*5 that has “Q” as the last letter

*2: For vehicles with model code*5 that has “Q” as the last letter

*3: Except for vehicles with model code*5 that has “V” as the last letter

*4: For vehicles with model code*5 that has “V” as the last letter

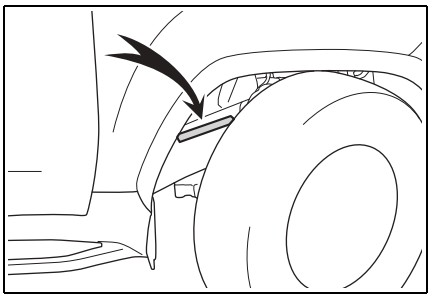
*5: The model code is indicated on the manufacturer's label. (→P.683)

Vehicle identification

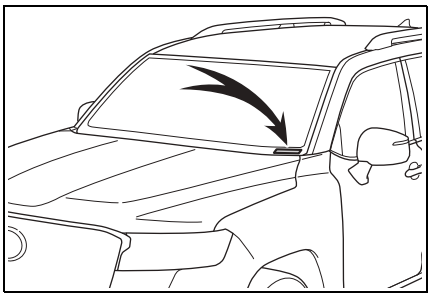
■ Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

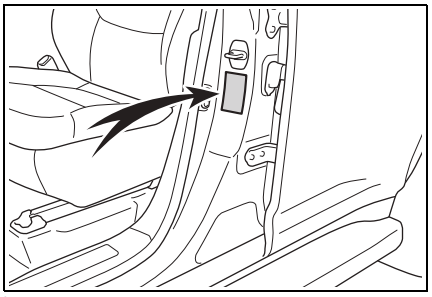
This number is stamped on the front right frame.



On some models, this number is also on the top left of the instrument panel.



This number is also on the manufacturer's label (except GCC countries*, Yemen, Iraq, Lebanon and Jordan) or the Certification Regulation label (GCC countries*, Yemen, Iraq, Lebanon and Jordan).



*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

■ Year of manufacture and country of origin (GCC countries*, Yemen, Iraq, Lebanon and Jordan)

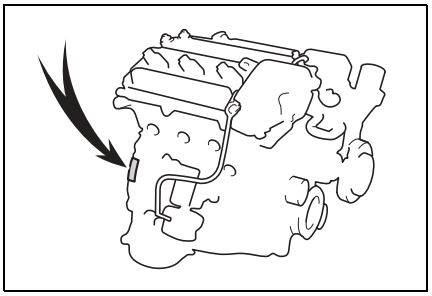
The year of the manufacture and country of origin are shown on the Certification Regulation label.

*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

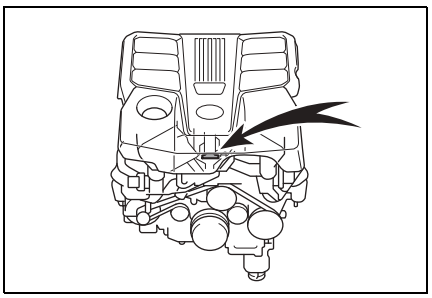
■ Engine number

The engine number is stamped on the engine block as shown.

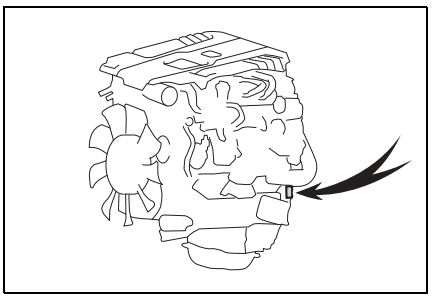
▶ 1GR-FE engine



▶ V35A-FTS engine



▶ F33A-FTV engine



Engine

▶ 1GR-FE engine

Model	1GR-FE
Type	6-cylinder V type, 4-cycle, gasoline
Bore and stroke	94.0 × 95.0 mm (3.70 × 3.74 in.)
Displacement	3956 cm^3 (241.4 cu.in.)
Valve clearance	Automatic adjustment
Drive belt tension	Automatic adjustment
Maximum vehicle speed *1	190 km/h (118 mph)
Maximum torque (NET)*1	385 N•m @ 4400 rpm
Maximum output (NET)*1	202 kW @ 5600 rpm

*1: For vehicles with model code*2 that has “V” as the last letter

*2: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

▶ V35A-FTS engine

Model	V35A-FTS
Type	6-cylinder V type, 4-cycle, gasoline (with turbocharger)
Bore and stroke	85.5 × 100.0 mm (3.37 × 3.94 in.)
Displacement	3445 cm^3 (210.2 cu.in.)
Valve clearance	Automatic adjustment

Drive belt tension	Automatic adjustment
Maximum vehicle speed *1	210 km/h (130 mph)
Maximum torque (NET)*1	650 N•m @ 2000-3600 rpm
Maximum output (NET)*1	305 kW @ 5200 rpm

*1: For vehicles with model code*2 that has “V” as the last letter

*2: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

▶ F33A-FTV engine

Model		F33A-FTV
Type		6-cylinder V type, 4-cycle, diesel (with turbocharger)
Bore and stroke		86.0 × 96.0 mm (3.39 × 3.78 in.)
Displacement		3346 cm^3 (204.2 cu.in.)
Valve clearance		Automatic adjustment
Drive belt tension		Automatic adjustment
Maximum vehicle speed *1		210 km/h (130 mph)
Maximum torque (NET)*1		700 N•m @ 1600 - 2600 rpm
Maximum output (NET)*1	Vehicles without DPF system	225 kW @ 4000 rpm
	Vehicles with DPF system	227 kW @ 4000 rpm

*1: For vehicles with model code*2 that has “V” as the last letter

*2: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

Fuel

▶ Gasoline engine

Fuel type		Unleaded gasoline only
Research Octane Number		95 (octane rating 91) or higher
Fuel tank capacity (Reference)	Vehicles without sub fuel tank system	80 L (21.1 gal., 17.6 Imp.gal.)
	Vehicles with sub fuel tank system	110 L (29.1 gal., 24.2 Imp.gal.)

▶ Diesel engine

Fuel type		▶ Except for Indonesia (for EURO IV models[*1]) and Argentina Vehicles without DPF system: Diesel fuel only Vehicles with DPF system: Diesel fuel that contains 10 ppm or less of sulfur ▶ For Indonesia (for EURO IV models[*1]) Diesel fuel that contains 50 ppm or less of sulfur ▶ For Argentina Diesel fuel Grade 3[*2] with sulfur content less than 10 ppm only
Cetane number	Vehicles without DPF system	44 or higher
	Vehicles with DPF system	▶ Except for India 48 or higher ▶ For India 51 or higher
Fuel tank capacity (Reference)	Vehicles without sub fuel tank system	80 L (21.1 gal., 17.6 Imp.gal.)
	Vehicles with sub fuel tank system	110 L (29.1 gal., 24.2 Imp.gal.)

[*1]: EURO IV is an emission standards. If it is not clear that your vehicle meets relevant standards, contact your Toyota dealer.

[*2]: In accordance with the latest Resolution of Secretary of Energy.

Lubrication system

▶ Gasoline engine

■ Oil capacity (Drain and refill [Reference*])

With filter	1GR-FE engine: 6.1 L (6.4 qt., 5.4 Imp.qt.) V35A-FTS engine: 7.3 L (7.7 qt., 6.4 Imp.qt.)
Without filter	1GR-FE engine: 5.6 L (5.9 qt., 4.9 Imp.qt.) V35A-FTS engine: 7.0 L (7.4 qt., 6.2 Imp.qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. When actually adding the engine oil, make sure that the oil level is between the low level mark and refill upper limit mark (→P.585). Warm up and turn off the engine, wait about 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

Oil grade:

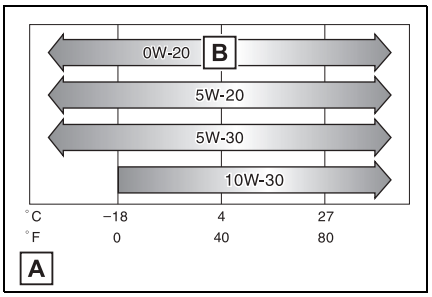
0W-20, 5W-20, 5W-30 and 10W-30:

API grade SL “Energy-Conserving”, SM “Energy-Conserving”, SN “Resource-Conserving”, SN PLUS “Resource-Conserving” or SP “Resource-Conserving”; or ILSAC GF-6A multigrade engine oil

Recommended viscosity (SAE):

SAE 0W-20 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 0W-20, 5W-20 or 5W-30 engine oil is recommended.



A Temperature range anticipated before next oil change

B Preferred

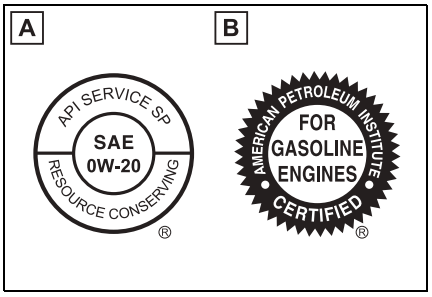
Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may

be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



A API Service Symbol

Top portion: “API SERVICE SP” means the oil quality designation by American Petroleum Institute (API).

Center portion: “SAE 0W-20” means the SAE viscosity grade.

Lower portion: “Resource-Conserving” means that the oil has fuel-saving and environmental protection capabilities.

B ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

▶ Diesel engine

■ **Oil capacity (Drain and refill [Reference*])**

With filter	6.6 L (7.0 qt., 5.8 Imp.qt.)
Without filter	6.2 L (6.6 qt., 5.5 Imp.qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. When actually adding the engine oil, make sure that the oil level is between the low level mark and refill upper limit mark (→P.585). Warm up and turn off the engine, wait about 5 minutes, and check the oil level on the dipstick.

■ **Engine oil selection (except for EURO V and VI models*)**

*: EURO V and VI are emission standards. If it is not clear that your vehicle meets relevant standards, contact your Toyota dealer

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

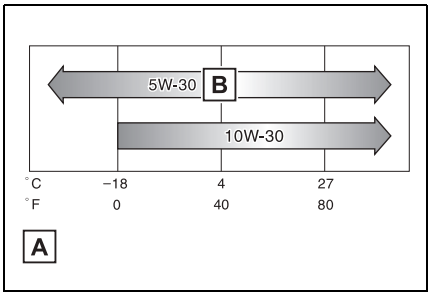
Oil grade:

API CF-4, CF or ACEA B3, B4, B5 or JASO DL-0

Recommended viscosity (SAE):

SAE 5W-30 is the best choice for good fuel economy and good starting in cold weather.

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 engine oil is recommended.



A Temperature range anticipated before next oil change

B Preferred

Oil viscosity (5W-30 is explained here as an example):

- The 5W in 5W-30 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 30 in 5W-30 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 label:

The Japanese Automotive Standards Organization (JASO) DL-0 Mark is added to some oil containers to help you select the oil you should use.



■ Engine oil selection (for EURO V and VI models*)

*: EURO V and VI are emission standards. If it is not clear that your vehicle meets relevant standards, contact your Toyota dealer

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Toyota recommends the use of approved "Toyota Genuine Motor Oil". Another motor oil of matching quality can also be used

Oil grade:

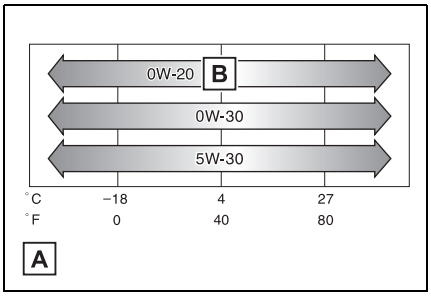
0W-20: ACEA C5
0W-30 and 5W-30: ACEA C2 or JASO DL-1

NOTICE

Using engine oil other than ACEA C5, C2 or JASO DL-1 may damage the catalytic converter.

Recommended viscosity (SAE):

SAE 0W-20 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

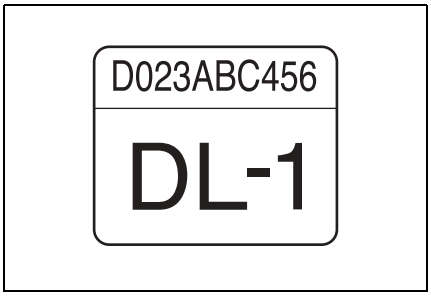


A Temperature range anticipated before next oil change

B Preferred

How to read oil container label:

The Japanese Automotive Standards Organization (JASO) DL-1 Mark is added to some oil containers to help you select the oil you should use.



Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

Cooling system

▶ 1GR-FE engine

Capacity*1	11.6 L (12.3 qt., 10.2 Imp.qt.)*2 13.8 L (14.6 qt., 12.1 Imp.qt.)*3
Coolant type	Use either of the following: • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

*1: The coolant capacity is the quantity of reference. If replacement is necessary,

contact your Toyota dealer.

*2: Vehicles without rear air conditioning system

*3: Vehicles with rear air conditioning system

▶ V35A-FTS engine

Capacity*1	Intercooler coolant	3.8 L (4.0 qt., 3.3 Imp.qt.)
	Engine coolant	12.4 L (13.1 qt., 10.9 Imp.qt.)*2, 4 12.6 L (13.3 qt., 11.1 Imp.qt.)*2, 5 14.6 L (15.4 qt., 12.8 Imp.qt.)*3, 4 14.7 L (15.5 qt., 12.9 Imp.qt.)*3, 5
Coolant type		Use either of the following: • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

*1: The coolant capacity is the quantity of reference. If replacement is necessary, contact your Toyota dealer.

*2: Vehicles without rear air conditioning system

*3: Vehicles with rear air conditioning system

*4: Vehicles without Stop & Start system

*5: Vehicles with Stop & Start system

▶ F33A-FTV engine

Capacity[*1]	Intercooler coolant	Except for EURO V and VI models[*2] and except for India: 3.8 L (4.0 qt., 3.3 Imp.qt.) For EURO V models[*2]: 3.9 L (4.1 qt., 3.4 Imp.qt.) For EURO VI models[*2] and for India: 4.0 L (4.2 qt., 3.5 Imp.qt.)
	Engine coolant	Left-hand drive vehicles: 13.2 L (13.9 qt., 11.6 Imp.qt.)[*3, 5, 7] 13.3 L (14.1 qt., 11.7 Imp.qt.)[*3, 5, 8] 13.7 L (14.5 qt., 12.1 Imp.qt.)[*3, 6, 7] 13.9 L (14.7 qt., 12.2 Imp.qt.)[*3, 6, 8] 15.3 L (16.2 qt., 13.5 Imp.qt.)[*4, 5, 7] 15.5 L (16.4 qt., 13.6 Imp.qt.)[*4, 5, 8] 15.8 L (16.7 qt., 13.9 Imp.qt.)[*4, 6, 7] 16.0 L (16.9 qt., 14.1 Imp.qt.)[*4, 6, 8] Right-hand drive vehicles: 13.1 L (13.8 qt., 11.5 Imp.qt.)[*3, 5] 13.7 L (14.5 qt., 12.1 Imp.qt.)[*3, 6] 15.3 L (16.2 qt., 13.5 Imp.qt.)[*4, 5] 15.8 L (16.7 qt., 13.9 Imp.qt.)[*4, 6]
Coolant type		Use either of the following: • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

[*1]: The coolant capacity is the quantity of reference. If replacement is necessary, contact your Toyota dealer.

[*2]: EURO V and VI are emission standards. If it is not clear that your vehicle meets relevant standards, contact your Toyota dealer.

*3: Vehicles without rear air conditioning system

*4: Vehicles with rear air conditioning system

*5: Vehicles without exhaust gas recirculation system

*6: Vehicles with exhaust gas recirculation system

*7: Vehicles without power heater

*8: Vehicles with power heater

Ignition system (gasoline engine only)

Spark plug

	V35A-FTS engine	1GR-FE engine
Make	DENSO EC22HPR-D7	DENSO SK16HR11
Gap	0.7 mm (0.028 in.)	1.1 mm (0.043 in.)

NOTICE

Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust gap when tuning engine.

Electrical system

Specific gravity reading at 20°C (68°F):		1.250 or higher
Charging rates	Quick charge	15 A max.
	Slow charge	5 A max.

Differential

▶ Front

Oil capacity	Without front differential lock system: 1.16 L (1.23 qt., 1.02 Imp.qt.) With front differential lock system: 1.32 L (1.39 qt., 1.16 Imp.qt.)
Oil type and viscosity	Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent

▶ Rear

Oil capacity	1GR-FE engine	Without rear differential lock system: 5.47 L (5.78 qt., 4.81 Imp.qt.) With rear differential lock system: 4.91 L (5.19 qt., 4.32 Imp.qt.)
	V35A-FTS and F33A-FTV engines	Without rear differential lock system and Limited-slip differential: 5.45 L (5.76 qt., 4.80 Imp.qt.) With rear differential lock system: 5.18 L (5.47 qt., 4.56 Imp.qt.) With rear Limited-slip differential: 5.25 L (5.55 qt., 4.62 Imp.qt.)
Oil type and viscosity	Without Limited-slip differential	Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent
	With Limited-slip differential	Toyota Genuine Differential Gear Oil LX 75W-85 GL-5 or equivalent

Your Toyota vehicle is filled with “Toyota Genuine Differential Gear Oil” at the factory.

Use Toyota approved “Toyota Genuine Differential Gear Oil” or an equivalent of matching quality to satisfy the above specification. Please contact your Toyota dealer for further details.

Automatic transmission

Fluid capacity (Reference)	V35A-FTS engine	Without Stop & Start system: 11.40 L (12.05 qt, 10.03 Imp.qt) With Stop & Start system: 11.48 L (12.13 qt, 10.10 Imp.qt)
	1GR-FE engine	9.8L (10.36 qt, 8.62 Imp.qt)
	F33A-FTV engine	Without Stop & Start system: 12.50 L (13.21 qt, 11.00 Imp.qt) With Stop & Start system: 12.28 L (12.98 qt, 10.81 Imp.qt)
Fluid type		Toyota Genuine ATF WS

The fluid capacity is the quantity of reference. If replacement is necessary, contact your Toyota dealer.

NOTICE

■ Automatic transmission fluid type

Using transmission fluid other than the above type may cause abnormal noise or vibration, or damage the transmission of your vehicle.

Transfer

Oil capacity	1.78 L (1.88 qt., 1.57 Imp. qt.)
Oil type*	Toyota Genuine Transfer Gear oil LF or equivalent
Recommended oil viscosity	SAE 75W

*: Your Toyota vehicle is filled with “Toyota Genuine Transfer Gear oil LF” at the factory. Use Toyota approved “Toyota Genuine Transfer Gear oil LF” or an equivalent of matching quality to satisfy the above specification. Please contact your Toyota dealer for further details.

Brakes

Pedal clearance*	Left-hand drive vehicles: 129 mm (5.08 in.) Min. Right-hand drive vehicles: 145 mm (5.71 in.) Min.
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3 SAE J1704 or FMVSS No. 116 DOT 4

*: Minimum pedal clearance when depressed with a force of 300 N (31 kgf, 67 lbf) while the engine is running

Chassis lubrication (propeller shafts)

▶ Front

Spider	Lithium base chassis grease, NLGI No.2
Slide yoke	Molybdenum-disulfide lithium base chassis grease, NLGI No.2 or lithium base chassis grease, NLGI No.2

▶ Rear

Spider	Lithium base chassis grease, NLGI No.2

Steering

Free play	Less than 30 mm (1.18 in.)
Power steering fluid type	Automatic transmission fluid DEXRON® II or III

Electrical winch (if equipped)

Capacity	9806 N (1000 kgf, 2204 lbf)
Fluid capacity	1.0 L (1.1 qt., 0.9 Imp.qt.)
Fluid type	Automatic transmission fluid DEXRON® II or III

Tires and wheels

▶ 20-inch tires

Tire size	265/55R20 113V		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	230 (2.3, 33)	260 (2.6, 38)
	160 km/h (99 mph) or less	230 (2.3, 33)	230 (2.3, 33)
Wheel size	20 × 8 J		
Wheel nut torque	131 N•m (13.4 kgf•m, 97 ft•lbf)		

▶ 18-inch tires

Tire size	265/65R18 114V	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	230 (2.3, 33)	230 (2.3, 33)

Wheel size	18 × 7 1/2J
Wheel nut torque	131 N•m (13.4 kgf•m, 97 ft•lbf)

▶ 17-inch tires

Tire size	245/75R17 112H	
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tire kPa (kgf/cm^2 or bar, psi)	Rear tire kPa (kgf/cm^2 or bar, psi)
	230 (2.3, 33)	230 (2.3, 33)
Wheel size	17 × 7J	
Wheel nut torque	209 N•m (21.3 kgf•m, 154 ft•lbf)	

■ Certification

The tires fitted on this vehicle meet the requirements of Indian Standard IS 15633 and they comply with the requirements of Rule 95 as specified under Central Motor Vehicle Rules (CMVR) 1989.

Light bulbs

	Light bulbs	W	Type
Exterior	Rear turn signal lights (bulb type)*	21	A
Interior	Vanity lights (bulb type)*	8	A
	Rear interior lights (bulb type)*/rear personal lights (bulb type)*		
	Without overhead console	8	B
	With overhead console	5	A
	Rear personal lights (bulb type)*	8	B
	Luggage compartment light (bulb type)*	5	A

A: Wedge base bulbs

B: Double end bulbs

*: If equipped

Fuel information

▶ Gasoline engine

You must only use unleaded gasoline.

Select premium unleaded gasoline with a Research Octane Number of 95 (octane rating 91) or higher for optimum engine performance.

If this premium type cannot be obtained, you may temporarily use unleaded gasoline with a Research Octane Number as low as 91 (octane rating 87). In this case, engine performance may be decreased.

▶ Diesel engine (except for Indonesia [for EURO IV models*1] and Argentina)

Vehicles without DPF system:

You must only use diesel fuel with a cetane number of 44 or higher.

Vehicles with DPF system:

You must only use diesel fuel that contains 10 ppm or less of sulfur with a cetane number of 48 or higher.

▶ Diesel engine (for Indonesia [for EURO IV models*1])

You must only use diesel fuel that contains 50 ppm or less of sulfur with a cetane number of 48 or higher.

▶ Diesel engine (for Argentina)

You must only use diesel fuel Grade 3*2 with sulfur content less than 10 ppm.

*1: EURO IV is an emission standards. If it is not clear that your vehicle meets relevant standards, contact your Toyota dealer.

*2: In accordance with the latest Resolution of Secretary of Energy.

■ 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 you plan to drive in foreign countries (vehicles with DPF system)

Low sulfur diesel fuel may not be available, so please check the availability with your distributor.

■ 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 gasoline 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.

NOTICE

- Do not add aftermarket fuel additives which contain metallic additives.
- Do not use the methanol blended gasoline such as M15, M85, M100. The use of gasoline containing methanol may cause engine damage or failure.
- For Ukraine: Bioethanol fuel sold under names such as “E50” or “E85” and fuel containing a large amount of ethanol should not be used. Your vehicle can use gasoline mixed with 10% max ethanol. The use of fuel with more than 10% ethanol content (E10) will damage the vehicle’s fuel system. You must ensure that refueling is carried out only from a source where fuel specification and quality can be guaranteed.

■ Notice on diesel fuel quality

- Do not use improper fuels. If improper fuels are used, the engine will be damaged.
- Vehicles with DPF system: Do not use a diesel fuel containing sulfur content above 10 ppm. The repetitive use of a diesel fuel of sulfur content above 10 ppm can cause damage in the engine and the exhaust system and affect the durability of your vehicle.
- FAME (Fatty Acid Methyl Ester) fuel sold under names such as “B40” or “B100” and fuel containing a large amount of FAME should not be used, or the fuel system may be damaged. Your vehicle can use diesel mixed with 5% max biodiesel FAME (B5). If the engine is operated with more than 5% FAME (B5), fuel filter replacement intervals tend to become shorter. You must ensure that refueling is carried out only from a source where fuel specification and quality can be guaranteed. In case of any doubt, ask your Toyota dealer.
- For Argentina: Observe the following INFORMATION

FUEL QUALITY: Use only diesel fuel Grade 3* with sulfur content less than 10 ppm.

Do not use a diesel fuel containing sulfur content above 10 ppm.

The repetitive use of a diesel fuel of sulfur content above 10 ppm can cause damage in the engine and the exhaust system and affect the durability of your vehicle.

TOYOTA ARGENTINA SA assumes no liability for damages due to the use of diesel fuel with sulfur content above 10 ppm.

Check this information at the service station before refueling.

*: In accordance with the latest Resolution of Secretary of Energy.

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, multimedia system, or at your Toyota dealer.

Some of the customizable features are changed in conjunction with the settings of My Settings. (→P.231)

Customizing vehicle features

■ Changing by using the multimedia display (on some models)

▶ Changing by ⚙ on the main menu

1 Select ⚙ on the main menu.

2 Select “Vehicle customize”.

3 Select the item to change the settings of from the list.

▶ Changing by 🚗 on the main menu

1 Select 🚗 on the main menu.

2 Select “Customize”.

3 Select the item to change the settings of from the list.

▶ Changing the Multi-terrain Monitor setting (if equipped)

1 Press the camera switch.

2 Select ⚙ on the multimedia display, and then select “Multi Terrain Monitor”.

■ Changing using the multi-information display

Use the meter control switches to change settings. (→P.141, 152)

1 Operate the meter control switch to select ⚙. (→P.146, 157)

2 Operate the meter control switches to select the desired item to be customized.

3 According to the display, select the desired setting.

To go back to the previous screen or exit the customize mode, press ⮌.

■ When customizing using the multimedia system or multi-information display

Stop the vehicle in a safe place, apply the parking brake, and shift the shift lever to P. Also, to prevent battery discharge, leave the engine running while customizing the features.

WARNING

■ During customization

As the engine 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 battery discharge, ensure that the engine is running while customizing features.

Customizable Features

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

A Settings that can be changed using the multimedia system (on some models)

B Settings that can be changed using the multi-information display

C Settings that can be changed by your Toyota dealer

Definition of symbols: O = Available, – =Not available

■ Alarm* (→P.112)

Function	Default setting	Customized setting	A	B	C
Cancellation when the mechanical key is used to unlock	Off	On	–	–	O

*: If equipped

■ Fingerprint authentication system*1 (→P.116)

Function	Default setting	Customized setting	A	B	C
Fingerprint authentication system function*2	Off*3	On	O	–	O

*1: If equipped

*2: The setting cannot be changed if fingerprint information is not registered.

*3: It will automatically switch to “ON” when fingerprint information is registered.

■ **Gauges, meters and multi-information display (with 7-inch display) (→P.130, 141)**

Function[*1]	Default setting	Customized setting	A	B	C
Language[*2, 3, 4]	English	Except English[*5]	–	O	–
Units[*2, 3]	L/100 km	km/L	–	O	–
Meter Style[*4]	“Smart”	“Tough”	–	O	–
		“Sporty”			
Dial Type[*4]	Tachometer	Speedometer	–	O	–
		Simple (non-dial)			
Eco Driving Indicator Light[*4]	On	Off	–	O	–
Fuel Economy	The average fuel economy after starting	The average fuel economy since the function was reset	–	O	–
		The average fuel economy after refuel			
Audio system linked display[*4, 6]	On	Off	–	O	–
Traction monitor display[*4]	On	Off	–	O	–
Drive information items (first item)[*4]	Distance	Average Speed	–	O	–
		Total Time			
Drive information items (second item)[*4]	Total Time	Average Speed	–	O	–
		Distance			
TRIP A Items (first item)[*4]	Distance	Average Speed	–	O	–
		Total Time			
TRIP A Items (second item)[*4]	Total Time	Average Speed	–	O	–
		Distance			
TRIP B Items (first item)[*4]	Distance	Average Speed	–	O	–
		Total Time			

Function[*1]	Default setting	Customized setting	A	B	C
TRIP B Items (second item)[*4]	Total Time	Average Speed	–	O	–
		Distance			
Pop-up display[*4, 6]	On	Off	–	O	–
Clock (time adjustment)[*7]	—	—	–	O	–
Clock (display type)[*7]	12-hour display	24-hour display	–	O	–
Suggestion function[*4]	On	On (when the vehicle is stopped)	O	–	O
		Off			

[*1]: For details about each function: →P.146

[*2]: The default setting varies according to country.

[*3]: The customized setting varies according to country.

[*4]: The default setting is changed in conjunction with the settings of My Settings.

[*5]: Available languages may differ depending on the target region.

[*6]: If equipped

[*7]: Vehicles without navigation system

■ Gauges, meters and multi-information display (with 12.3-inch display) (→P.135, 150)

Function[*1]	Default setting	Customized setting	A	B	C
Language[*2, 3, 4]	English	Except English[*5]	–	O	–
Units[*2, 3]	L/100 km	km/L	–	O	–
Meter Type[*4]		 [*6]	–	O	–
		 [*6]			
Meter Style[*4]	“Smart”	“Casual”	–	O	–
		“Tough”			
		“Sporty”			

Function[*1]	Default setting	Customized setting	A	B	C
Dial Type[*4]	Tachometer[*7]	Speedometer[*7]	–	O	–
Eco Driving Indicator Light[*4]	On	Off	–	O	–
Fuel Economy	The average fuel economy after starting	The average fuel economy since the function was reset	–	O	–
Drive information items (first item)[*4]	Distance	Average Speed	–	O	–
		Total Time			
Drive information items (second item)[*4]	Total Time	Average Speed	–	O	–
		Distance			
TRIP A Items (first item)[*4]	Distance	Average Speed	–	O	–
		Total Time			
TRIP A Items (second item)[*4]	Total Time	Average Speed	–	O	–
		Distance			
TRIP B Items (first item)[*4]	Distance	Average Speed	–	O	–
		Total Time			
TRIP B Items (second item)[*4]	Total Time	Average Speed	–	O	–
		Distance			
Pop-up display[*4, 8]	On	Off	–	O	–
Clock (time adjustment)[*9]	—	—	–	O	–
Clock (display type)[*9]	12-hour display	24-hour display	–	O	–
Suggestion function[*4]	On	On (when the vehicle is stopped)	O	–	O
		Off			

[*1]: For details about each function: →P.157

[*2]: The default setting varies according to country.

[*3]: The customized setting varies according to country.

[*4]: The default setting is changed in conjunction with the settings of My Settings.

[*5]: Available languages may differ depending on the target region.

*6: The on/off operation of the widget can be changed.

*7: The setting items may not be displayed depending on the meter type

*8: If equipped

*9: Vehicles without multimedia system

■ Head-up Display*1 (→P.162)

Function	Default setting	Customized setting	A	B	C
Head-up display*2	On	Off	–	O	–
Head-up display type*2	Standard	Full	–	O	–
		Minimum			
Head-up display brightness*2	Standard	Desired brightness	–	O	–
Head-up display location*2	Standard	Desired location	–	O	–
Head-up display angle adjustment*2	Standard	Desired angle	–	O	–

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

■ Door lock (→P.174, 665)

Function	Default setting	Customized setting	A	B	C
Unlocking using a mechanical key	All doors unlocked in first step	Driver's door unlocked in first step, all doors unlocked in second step	–	–	O
Speed linked door locking function*1, 2	On	Off	O	–	O
Shift position linked door locking function*1, 2	Off	On	O	–	O
Shift position linked door unlocking function*1, 2	Off	On	O	–	O
Driver's door linked door unlocking function*1, 2, 3	On	Off	O	–	O

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

*3: The default setting varies according to country.

■ **Rear seat reminder (→P.176)**

Function	Default setting	Customized setting	A	B	C
Rear seat reminder function*	On	Off	–	O	–

*: The default setting is changed in conjunction with the settings of My Settings.

■ **Smart entry & start system and wireless remote control (→P.171, 196)**

Function	Default setting	Customized setting	A	B	C
Operation signal (Emergency flashers)*1, 2	On	Off	O	–	O
Operating signal (Buzzers)*1, 2	Standard	Desired volume	O	–	O
Time elapsed before the automatic door lock function is activated if a door is not opened after being unlocked*2	30 seconds	60 seconds	–	–	O
		120 seconds			
Open door reminder buzzer (When locking the vehicle)	On	Off	–	–	O

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

■ **Smart entry & start system (→P.196)**

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

Function	Default setting	Customized setting	A	B	C
Time elapsed before unlocking all the door when gripping and holding the driver's door handle*	2 seconds	1.5 seconds	–	–	O
		2.5 seconds			
		Off			
Engine switch illumination	On	Off	–	–	O

*: This setting can be changed when the smart door unlocking setting is set to "Driver's door".

■ **Wireless remote control (→P.171)**

Function	Default setting	Customized setting	A	B	C
Wireless remote control	On	Off	–	–	O
Unlocking operation*1	All doors unlocked in first step	Driver's door unlocked in first step, all doors unlocked in second step	O	–	O
The function that activates the switch of the wireless remote control when locking the door (→P.182)*2, 3	Off	On (Unlocking all the door)	–	–	O
		On (Unlocking back door only)			
Alarm (panic mode)*2	On	Off	–	–	O

*1: The default setting is changed in conjunction with the settings of My Settings.

*2: If equipped

*3: The default setting varies according to country.

■ **Power back door*1 (→P.182)**

Function	Default setting	Customized setting	A	B	C
Power back door operations	On	Off	–	O	–
Back door opener switch operations	Press and hold	One short press	–	–	O

Function	Default setting	Customized setting	A	B	C
switch of the wireless remote control operation	Press and hold	One short press	–	–	O
		Push twice			
		Off			
Operation buzzer volume	Level 3	Level 1	–	O	–
		Level 2			
Operation buzzer while the back door is operating*2, 3	On	Off	–	–	O
Opening angle	5	1 to 4	–	O	–
		User setting*4			
Automatic closing of the back door when lowered	On	Off	–	–	O
Automatic opening of the back door using the back door opener switch	On	Off	–	–	O
Close & lock (Walk-Away) function	Off	On	–	–	O
Hands free power back door*1	On	Off	–	O	–
Kick sensor sensitivity*1	+1	+0	–	–	O
		+2			
Buzzer when the kick sensor detects a foot*1	On	Off	–	–	O
Hands Free close & lock (Walk-Away) function*1	Off	On	–	–	O

*1: If equipped

*2: The operation buzzer that sounds when the back door begins to operate cannot be turned off.

*3: The default setting varies according to country.

*4: The open position is set by the power back door switch. (→P.194)

■ **Driving position memory*** **(→P.226)**

Function	Default setting	Customized setting	A	B	C
Function to prevent contact between the head restraint and ceiling (while moving to memory location)	On	Off	–	–	O

*: If equipped

■ **Enabling easier driver entry and exit (power easy access system)*1 (→P.226)**

Function	Default setting	Customized setting	A	B	C
Driver's seat slide movement when exiting the vehicle*2	Full	Off	O	–	O
		Partial			
Steering wheel movement when exiting the vehicle*2	Tilt only	Off	O	–	–
		Telescopic only			
		Tilt and telescopic			

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

■ **Outside rear view mirrors (→P.217)**

Function	Default setting	Customized setting	A	B	C
Automatic folding and extending operation*	Linked to locking/unlocking of the doors	Off	–	–	O
		Linked to operation of engine switch modes			

*: If equipped

■ **Power windows and moon roof*1 (→P.220, 223)**

Function	Default setting	Customized setting	A	B	C
Mechanical key linked operation*1, 2	Off	On	–	–	O
Wireless remote control linked operation*1, 2	Off	On	–	–	O
Wireless remote control linked operation signal (buzzer)	On	Off	–	–	O

*1: If equipped

*2: The settings of the moon roof are changed in conjunction with the settings of the power windows.

■ **Moon roof* (→P.223)**

Function	Default setting	Customized setting	A	B	C
Linked operation of components when mechanical key is used*	Slide only	Tilt only	–	–	O
Linked operation of components when wireless remote control is used*	Slide only	Tilt only	–	–	O

*: If equipped

■ **My Settings (→P.231)**

Function	Default setting	Customized setting	A *1	B *2	C
My Settings function	On	Off	–	O	–
Switching drivers	Guest	Driver1	O	O	–
		Driver2			
		Driver3			

*1: Vehicles with navigation system

*2: Vehicles without navigation system

■ **Engine switch (→P.268)**

Function	Customized setting	A	B	C
ACC customization* Enabling/Disabling ACC mode	On/Off	O	–	O

*: If equipped

■ **Automatic light control system (→P.285)**

Function	Default setting	Customized setting	A	B	C
Light sensor sensitivity*1	Normal	Brighter	O	–	O
		Bright			
		Dark			
		Darker			
Time elapsed before headlights automatically turn off after doors are closed (Extended Headlight Lighting)*2	30 seconds	60 seconds	–	–	O
		90 seconds			
		120 seconds			
Time elapsed before headlights automatically turn on*2	Standard	Long	–	–	O

*1: The default setting is changed in conjunction with the settings of My Settings.

*2: If equipped

■ **Lights (→P.285)**

Function	Default setting	Customized setting	A	B	C
Welcome lighting*	On	Off	–	–	O

*: If equipped

■ **Rear window wiper (→P.301)**

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

■ **Adaptive High-beam System[*1] (→P.290)**

Function	Customized setting	A	B	C
Adaptive High-beam System	On/Off[*2]	–	–	O
Brightness and illuminated area adjustment of the high beams according to the vehicle speed	15 km/h (9 mph) / 30 km/h (19 mph) / 40 km/h (25 mph)[*3] / 60 km/h (37 mph)[*4]	–	–	O
Intensity adjustment of the high beams when driving around a curve (illuminates the area in the direction vehicle is turning more brightly)	On/Off	–	–	O
Projection distance adjustment of the low beams according to the distance to a preceding vehicle	On/Off	–	–	O
High beam light distribution control for rain	On/Off	–	–	O
Light distribution control for urban areas	On/Off	–	–	O

[*1]: If equipped

[*2]: Operating as the Automatic High Beam (→P.293)

[*3]: For vehicles without model code[*5] that has “W” as the last letter

[*4]: For vehicles with model code[*5] that has “W” as the last letter

[*5]: The model code is indicated on the manufacturer’s label or the Certification Regulation label. (→P.683)

■ **Pre-Collision System[*1] (→P.312)**

Function	Customized setting	A	B	C
Pre-Collision System	On/Off	–	O	–
Warning timing[*2]	Later/Default/Earlier	–	O	–

[*1]: If equipped

[*2]: This setting changes in accordance with My Settings.

■ **Lane Departure Alert system (LDA)*1 (→P.330)**

Function	Customized setting	A	B	C
Lane Departure Alert system (LDA)*2	On/Off	–	O	–
Alert timing*2	Default/Earlier	–	O	–
Alert options*2	Vibration/Audible	–	O	–

*1: If equipped

*2: This setting changes in accordance with My Settings.

■ **Dynamic Radar Cruise Control (DRCC)*1 (→P.339)**

Function	Customized setting	A	B	C
Acceleration setting*2	Low/Mid/High	–	O	–
Speed setting (short press)*2	1km/h (1mph) / 5km/h (5mph)/10km/h (10mph)	–	O	–
Speed setting (long press)*2	1km/h (1mph) / 5km/h (5mph)/10km/h (10mph)	–	O	–
DRCC(RSA)*1, 2	On/Off	–	O	–
Speed limit offset*1, 2	-5 - +5	–	O	–
Guide message*2	On/Off	–	O	–
Curve speed reduction*2	OFF/Low/Mid/High	–	O	–

*1: If equipped

*2: This setting changes in accordance with My Settings.

■ **Road Sign Assist*1 (→P.335)**

Function	Customized setting	A	B	C
Road Sign Assist*2	On/Off	–	O	–
Excess speed notification method*2	None/Visual/Visual & Audible	–	O	–
Excess speed notification level*2	10 km/h (5 mph) / 5 km/h (3 mph) / 2 km/h (1 mph)	–	O	–

*1: If equipped

*2: This setting changes in accordance with My Settings.

■ Driver break suggestion* (→P.333)

Function	Customized setting	A	B	C
Driver break suggestion	On/Off	–	O	–

*: If equipped

■ BSM (Blind Spot Monitor)*1 (→P.364)

Function	Customized setting	A	B	C
BSM (Blind Spot Monitor)	On/Off	–	O	–
Outside rear view mirror indicator brightness*2	Dim/Bright	–	O	–
Alert timing for presence of approaching vehicle (sensitivity)*2	Late/Default/Early	–	O	–
Buzzer warning*2	On/Off	–	O	–

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

■ Rear Vehicle Approaching Indication*1 (→P.370)

Function	Customized setting	A	B	C
Rear Vehicle Approaching Indication*2	On/Off	–	O	–
Alert timing for presence of approaching vehicle (sensitivity)*2	Late/Intermediate/Early	–	O	–

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

■ Safe Exit Assist*1 (→P.377)

Function	Customized setting	A	B	C
Safe Exit Assist	On/Off	–	O	–
Outside rear view mirrors display*2	On/Off	–	O	–
Detection sensitivity*2	Low/Mid/High	–	O	–

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

■ Toyota parking assist-sensor*1 (→P.382)

Function	Customized setting	A	B	C
Toyota parking assist-sensor	On/Off	–	O	–
Buzzer volume of Toyota parking assist-sensor when operating*2, 3	Level1 / Level2 / Level3	–	O	–
Distance from which the front center sensor starts detection	Near / Standard	O*4, 5	–	–
Distance from which the rear center sensor starts detection	Near / Standard	O*4, 5	–	–

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

*3: This setting is linked with the buzzer volume of the Toyota parking assist-sensor, RCTA*1, and RCD*1.

*4: For vehicles with panoramic view monitor, the setting can be changed on the panoramic view monitor settings screen. For details, refer to “Multimedia Owner’s Manual”.

*5: For vehicles with Multi-terrain Monitor, the setting can be changed on the Multi-terrain Monitor settings screen.

■ RCTA (Rear Cross Traffic Alert) function*1 (→P.388)

Function	Customized setting	A	B	C
RCTA (Rear Cross Traffic Alert) function	On/Off	–	O	–
Buzzer volume of RCTA when operating*2, 3	Level1/Level2/Level3	–	O	–

*1: If equipped

*2: The default setting is changed in conjunction with the settings of My Settings.

*3: This setting is linked with the buzzer volume of the Toyota parking assist-sensor*1, RCTA, and RCD*1.

■ **RCD (Rear Camera Detection) function* (→P.393)**

Function	Customized setting	A	B	C
RCD (Rear Camera Detection) function	On/Off	–	O	–

*: If equipped

■ **Stop & Start system* (→P.358)**

Function	Default setting	Customized setting	A	B	C
Change the Stop & Start system duration when the A/C is on	Standard	Extended	–	O	–

*: If equipped

■ **Multi-terrain Monitor*1, 2 (→P.407)**

Function	Default setting	Customized setting	A	B	C
Cornering View*3	On	Off	O	–	–
View Under Vehicle*3	On	Off	O	–	–
TOYOTA Park Assist 3D Display*3	On	Off	O	–	–
Front side of TOYOTA Park Assist Distance*3	Standard	Near	O	–	–
Rear side of TOYOTA Park Assist Distance*3	Standard	Near	O	–	–
Vehicle Body Color*3	Color 1	Color 2 to 7	O	–	–

*1: If equipped

*2: This settings can be changed on the Multi-terrain Monitor setting screen. (→P.455)

*3: The default setting is changed in conjunction with the settings of My Settings.

■ **Driving Mode Select switch* (→P.473)**

Function	Default setting	Customized setting	A	B	C
Powertrain control in custom mode*	Normal	Power	O	–	–
		Eco			
Steering wheel control in custom mode*	Normal	Sport	O	–	–
Suspensions control in custom mode*	Normal	Sport	O	–	–
		Comfort			
Air conditioning operation in custom mode*	Normal	Eco	O	–	–

*: If equipped

■ **Automatic air conditioning system (→P.510)**

Function	Default setting	Customized setting	A	B	C
Switching between outside air and recirculated air mode linked to “AUTO” switch operation*	On	Off	O	–	O
A/C Auto switch operation*	On	Off	O	–	O

*: The default setting is changed in conjunction with the settings of My Settings.

■ **Seat heater*1/seat ventilators*1 (→P.524)**

Function	Default setting	Customized setting	A	B	C
Driver’s seat temperature preference in automatic mode*2	Standard	-2 (cooler) to 2 (warmer)	O	–	O
Front passenger’s seat temperature preference in automatic mode*2	Standard	-2 (cooler) to 2 (warmer)	O	–	O
Left-hand rear seat temperature preference in automatic mode*1	Standard	-2 (cooler) to 2 (warmer)	O	–	O
Right-hand rear seat temperature preference in automatic mode*1	Standard	-2 (cooler) to 2 (warmer)	O	–	O

*1: If equipped

*2: The default settings of the seat heater is changed in conjunction with the settings of My Settings.

■ **Illumination (→P.528)**

Function	Default setting	Customized setting	A	B	C
Time elapsed before the interior lights turn off*1	15 seconds	Off	O	–	O
		7.5 seconds			
		30 seconds			
Operation after the engine switch is turned off	On	Off	–	–	O
Operation when you approach the vehicle with the electronic key on your person	On	Off	–	–	O
Operation when the doors are unlocked	On	Off	–	–	O
Time elapsed before the outer foot lights*2 and running board lights*2 turn off*1	15 seconds	Off	O	–	O
		7.5 seconds			
		30 seconds			
Operation of the outer foot lights*2 and running board lights*2 when you approach the vehicle with the electronic key on your person	On	Off	–	–	O
Operation of the outer foot lights*2 and running board lights*2 when the doors are unlocked	On	Off	–	–	O
Operation of the outer foot lights*2 and running board lights*2 when a door is opened	On	Off	–	–	O
Footwell lighting*2	On	Off	–	–	O
Inside door handle lights*2	On	Off	–	–	O

*1: The default setting is changed in conjunction with the settings of My Settings.

*2: If equipped

■ **Vehicle customization**

● When the speed linked door locking function and shift position linked door locking function are both on, the door lock operates as follows.

- If the vehicle is started with all the doors locked, the speed linked door locking function would not operate.
- If the vehicle is started with any door unlocked, the speed linked door locking function will operate.
- When shifting the shift lever to any position other than P, all the doors will be locked.

● When the smart entry & start system is off, the selecting door to unlock cannot be customized.

Items to initialize

The following items must be initialized for normal system operation after such cases as the battery being reconnected, or maintenance being performed on the vehicle:

List of the items to initialize

Item	When to initialize	Reference
Tire pressure warning system*	• When rotating the tires • When the tire inflation pressure is changed by changing tire size. (When there are multiple specified pressures) • After registering the ID codes	P.603
Oil maintenance (except for 1GR-FE engine)	• After the maintenance is performed	P.586
Crawl Control (with Turn Assist function)*	• After reconnecting the battery	P.485
Power back door*	• After reconnecting or changing the battery	P.190
Power window	• When functioning abnormally	P.220
Moon roof*		P.224

*: If equipped

Index

What to do if... (Troubleshooting) 722
Alphabetical Index 725

What to do if... (Troubleshooting)

If you have a problem, check the following before contacting your Toyota dealer.

The doors cannot be locked, unlocked, opened or closed



You lose your keys

- If you lose your keys or mechanical keys, new genuine keys or mechanical keys can be made by your Toyota dealer. (→P.665)
- If you lose your electronic keys, the risk of vehicle theft increases significantly. Contact your Toyota dealer immediately. (→P.665)



The doors cannot be locked or unlocked

- Is the key battery weak or depleted? (→P.616)
- Is the engine switch in ON? When locking the doors, turn the engine switch off. (→P.268)
- 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.197)



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.178)

If you think something is wrong



The engine does not start

- Did you press the engine switch while firmly depressing the brake pedal? (→P.265)
- Is the shift lever in P? (→P.265)
- Is the electronic key anywhere detectable inside the vehicle? (→P.196)
- Is the steering wheel unlocked? (→P.266)
- Is the electronic key battery weak or depleted? In this case, the engine can be started in a temporary way. (→P.666)
- Is the battery discharged? (→P.667)
- Vehicles with fingerprint authentication system: Have fingerprint authentication been done suc-

cessfully?



The shift lever cannot be shifted from P even if you depress the brake pedal

- Is the engine switch in ON? If you cannot release the shift lever by depressing the brake pedal with the engine switch in ON. (→P.271, 275)



The steering wheel cannot be turned after the engine is stopped

- It is locked automatically to prevent theft of the vehicle. (→P.266)



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.222)



The engine switch is turned off automatically

- The auto power off function will be operated if the vehicle is left in ACC or ON (the engine is not running) for a period of time. (→P.268)



A warning buzzer sounds during driving

- The seat belt reminder light is flashing

Are the driver and the passengers wearing the seat belts? (→P.643, 644)

- The parking brake indicator is on

Is the parking brake released? (→P.278)

Depending on the situation, other types of warning buzzer may also sound. (→P.636, 646)



An alarm is activated and the horn sounds (if equipped)

- Did anyone inside the vehicle open a door during setting the alarm?
  The sensor detects it and the alarm sounds. (→P.112)

To stop the alarm, turn the engine switch to ON or start the engine.



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.646)



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.636, 646.

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.653)



The vehicle becomes stuck

- Try the procedure for when the vehicle becomes stuck in mud, dirt, or snow. (→P.677)

Alphabetical Index

A

A/C 510, 522
Air conditioning filter..... 615
Eco air conditioning mode..... 513
Front automatic air conditioning system..... 510
Front seat concentrated airflow mode (S-FLOW) 516
Rear automatic air conditioning system..... 522
ABS (Anti-lock Brake System) 494
Warning light..... 638
Adaptive High-beam System (AHS) 290
Adaptive Variable Suspension System (AVS) 495
AdBlue™ 596
AdBlue™ gauge..... 146, 156
Capacity..... 598
Low AdBlue™ level warning light 642
Refilling 598
Warning message 597
AHB (Automatic High Beam)..... 293
AHS (Adaptive High-beam System) 290
Airbags 43
Airbag operating conditions 44
Airbag precautions for your child . 46
Airbag warning light 637
Correct driving posture..... 37
Curtain shield airbag operating conditions 45
Curtain shield airbag precautions 46
General airbag precautions..... 46
Locations of airbags..... 43
Modification and disposal of airbags 49
Side airbag operating conditions.. 45
Side airbag precautions 46
Side and curtain shield airbags operating conditions..... 45
Side and curtain shield airbags precautions..... 46
SRS airbags..... 43
SRS warning light..... 637
Air conditioning filter 615
Air conditioning system..... 510, 522
Air conditioning filter..... 615
Eco air conditioning mode..... 513
Front automatic air conditioning system..... 510
Front seat concentrated airflow mode (S-FLOW)..... 516
Rear automatic air conditioning system..... 522
Alarm..... 112
Alarm..... 112
Warning buzzer..... 636, 646
Anchor brackets 81, 85, 97
Antenna
Smart entry & start system..... 196
Anti-lock Brake System (ABS)..... 494
Warning light 638
Armrest..... 553
Assist grips 553
Automatic air conditioning system 510, 522
Air conditioning filter..... 615
Eco air conditioning mode..... 513
Front automatic air conditioning system..... 510
Front seat concentrated airflow mode (S-FLOW)..... 516
Rear automatic air conditioning system..... 522
Automatic headlight leveling system 286
Automatic High Beam (AHB) 293
Automatic light control system ... 286
Automatic Rear Flashing Hazard Lights..... 373

Automatic transmission.....270, 273
M mode.....272
S mode.....276
Shift lever.....271, 275
Auxiliary boxes.....536
Average fuel economy.....142, 153
Average vehicle speed.....143, 154
AVS (Adaptive Variable Suspension System).....495

B

Back door.....179
Back door closer.....187
Back door opener switch.....182
Hands Free Power Back Door.184, 185
Luggage compartment light181, 187
Power back door.....182
Wireless remote control.....182
Back-up lights
Replacing light bulbs.....623
Battery
Checking.....589
If the vehicle battery is discharged.....667
Preparing and checking before winter.....502
Replacing.....672
Warning light.....636
Blind Spot Monitor (BSM).....364
Bottle holders.....535
Brake
Brake Hold.....282
Parking brake.....278
Warning light.....636
Brake assist.....494
Brake Hold.....282
Break-in tips.....240
Brightness control
Instrument panel light control...133, 140
BSM (Blind Spot Monitor).....364

C

Card holder.....536
Care
Aluminum wheels.....558
Exterior.....558
Interior.....562
Seat belts.....562
Cargo hooks.....537
Center differential lock system...476
Chains.....504
Child-protector lock.....178
Child restraint system.....52, 82
Child restraint system installation method.....76, 85
Child seats definition.....52, 82
Child seats installation.....53, 86
Fixed with a seat belt.....77, 89
Fixed with an ISOFIX lower anchorage.....79, 93
Installing a CRS to the passenger seat.....53, 86
Installing a CRS to the rear seat..86
Installing CRS with an ISOFIX lower anchorage.....79, 93
Installing CRS with seat belts.77, 89
Installing CRS with top strap..81, 97
Points to remember.....52, 82
Riding with children.....51
Types of child restraint system installation method.....76, 85
Using a top tether anchorage.81, 97
Child safety.....51
Airbag precautions.....46
Back door precautions.....179
Battery precautions.....591, 673
Child restraint system.....52, 82
Heated steering wheel and seat heater precautions.....524
How your child should wear the seat

belt 40
Installing child restraints 52, 82
Moon roof precautions 224
Power window lock switch 222
Power window precautions 221
Rear door child-protector lock 178
Seat belt precautions 38
Seat heater precautions 524
Cleaning 558, 562
Aluminum wheels 558
Exterior 558
Interior 562
Radar sensor 365
Seat belts 562
Clock 132, 139
Coat hooks 553
Condenser 588
Console box 533
Consumption screen 166
Coolant
Capacity 690
Checking 587
Preparing and checking before winter 502
Warning light 637
Cooling system 690
Engine overheating 674
Cornering lights 289
Crawl Control 481
Cruise control
Cruise control 350, 353
Dynamic radar cruise control 339
Cup holders 534
Current fuel economy 142, 153
Curtain shield airbags 43
Customizable features 700

D

DAC
Downhill assist control system ... 489
Daytime running light system 285
Replacing light bulbs 623
Deck board 538
Defogger
Outside rear view mirrors 513
Rear window 513
Windshield 513
Dimensions 680
Display
BSM (Blind Spot Monitor) 365
Consumption screen 166
Cruise control 350, 353
Driving information 142, 154
Head-up display 162
Multi-information display 141, 150
Parking Support Brake function (Pedestrians Rear of the Vehicle) 406
RCD (Rear Camera Detection) .. 394
RCTA (Rear Cross Traffic Alert) 388
Toyota parking assist-sensor 382
Warning messages 646
Do-it-yourself maintenance 577
Door lock
Back door 180
Side doors 174
Smart entry & start system 196
Wireless remote control 171
Doors
Automatic door locking and unlocking system 178
Back door 179
Door glasses 220
Door lock 174, 177, 180
Open door warning buzzer 175
Outside rear view mirrors 217
Rear door child-protector lock 178
Side doors 174
Double locking system 111
Downhill assist control system ... 489
DPF (Diesel Particulate Filter) system 491

Warning message 492
Driver's seat belt reminder light.. 643
Driver's seat position memory 226
Driving position memory 227
Memory recall function 228
Power easy access system 226
Drive-Start Control (DSC)
Sudden start restraint control 245
Driving
Break-in tips 240
Correct posture 37
Driving mode select switch 473
Eco-friendly driving tips 505
Procedures 239
Winter drive tips 502
Driving information display . 142, 154
Driving mode select switch 473
Driving position memory 226
Driving position memory 227
Memory recall function 228
Power easy access system 226
Driving support system information display 143, 154
DSC (Drive-Start Control)
Sudden start restraint control 245
Dynamic radar cruise control
Function 339
Warning message 646

E

eCall 100
Eco Driving Indicator 143, 153
Eco Driving Indicator Light.. 143, 153
Eco-friendly driving tips 505
EDR (Event data recorder) 9
Elapsed time 143, 154
Electric winch 256
Electronic key 170
Battery-saving function 197
If the electronic key does not operate properly 665
Replacing the battery 616
Electronic-Kinetic Dynamic Suspension System 495
Emergency, in case of
If a warning buzzer sounds 636
If a warning light turns on 636
If a warning message is displayed 646
If the electronic key does not operate properly 665
If the engine will not start 663
If the vehicle battery is discharged 667
If the vehicle is submerged or water on the road is rising 629
If you have a flat tire 653
If you lose your keys 665
If you run out of fuel and the engine stalls 677
If you think something is wrong .. 634
If your vehicle becomes stuck 677
If your vehicle has to be stopped in an emergency 628
If your vehicle needs to be towed 631
If your vehicle overheats 674
Emergency brake signal 495
Emergency Driving Stop System 356
Emergency flashers 628
Engine
ACC 268
Compartment 580
Engine switch (ignition switch) ... 265
Fuel pump shut off system 635
Hood 579
How to start the engine 265
Identification number 683
If the engine will not start 663
If you run out of fuel and the engine stalls 677
If your vehicle has to be stopped in

an emergency 628
Overheating 674
Tachometer 130, 135
Engine coolant
Capacity 690
Checking 587
Preparing and checking before winter 502
Warning light 637
Engine coolant temperature gauge 130, 135
Engine immobilizer system 110
Engine oil
Capacity 687
Checking 584
Preparing and checking before winter 502
Warning light 637
Engine oil pressure gauge ... 130, 135
Engine switch (ignition switch) ... 265
Auto power off function 269
Changing the engine switch modes 268
If your vehicle has to be stopped in an emergency 628
Illumination 266
Starting the engine 265
ERA-GLONASS/EVAK 103
Event data recorder (EDR) 9
Extended Headlight Lighting 287

F

Flat tire 653
Tire pressure warning system 603
Floor mats 36
Fluid
Automatic transmission 694
Brake 695
Steering 696
Washer 592
Fog lights 296
Replacing light bulbs 623
Switch 296
Footwell lights 528
Front differential lock system 478
Front fog lights 296
Replacing light bulbs 623
Switch 296
Front passenger's seat belt reminder light 643
Front position lights 285
Replacing light bulbs 623
Switch 285
Front seats 201
Adjustment 201
Cleaning 562
Correct driving posture 37
Driving position memory 226
Head restraints 211
Memory recall function 228
Power easy access system 226
Seat heaters 525
Seat position memory 227
Seat ventilators 526
Front turn signal lights 277
Replacing light bulbs 623
Turn signal lever 277
Fuel
Fuel filter 595
Fuel gauge 130, 135
Fuel pump shut off system 635
If you run out of fuel and the engine stalls 677
Information 698
Refueling 303
Warning light 642
Fuel consumption information 166
Fuel filler door 304
Refueling 303
Fuel filter 595
Fuel gauge 130, 135
Fuel pump shut off system 635

Fuses 618

G

Gauges 130, 135
Glove box 533

H

Hands Free Power Back Door 184
Headlight cleaners 298
Headlights 285
AHB (Automatic High Beam) 293
AHS (Adaptive High-beam System) 290
Automatic headlight leveling system 286
Manual headlight leveling 287
Replacing light bulbs 623
Switch 285
Head restraints 211
Head-up display 162
Driving support system display area 164
Pop-up display 164
Settings 163
Heated steering wheel 525
Heaters
Automatic air conditioning system 510, 520
Heated steering wheel 525
Outside rear view mirrors 513
Seat heaters 525
High mounted stoplight
Replacing light bulbs 623
Hill-start assist control 495
Hood
Hood 579
Open 579
Hooks
Cargo hooks 537
Coat hooks 553
Retaining hooks (floor mat) 36
Horn 215

I

Identification
Engine 683
Vehicle 683
Ignition switch (engine switch) ... 265
Auto power off function 269
Changing the engine switch modes 268
If your vehicle has to be stopped in an emergency 628
Illumination 266
Starting the engine 265
Illuminated entry system 529
Indicators 124
Initialization
Crawl Control 485
Items to initialize 720
Moon roof 224
Power back door 190
Power windows 220
Inside door handle lights 528
Inside rear view mirror 216
Installing a child restraint system to a front passenger seat 53, 86
Instrument panel light control ... 133, 140
Interior lights 529
Interior lights list 528
Intrusion sensor and tilt sensor .. 113
ISOFIX rigid anchors 79, 93

J

Jack
Vehicle-equipped jack 653
Jack handle 653
Jam protection function
Driving position memory 227

Memory recall function 230
Moon roof 223
Power back door 187
Power easy access system 227
Power windows 220

K

Keyless entry
Smart entry & start system 196
Wireless remote control 171
Keys 170
Battery-saving function 197
Electronic key 170
Engine switch (ignition switch) ... 265
If the electronic key does not operate properly 665
If you lose your keys 665
Key number plate 170
Keyless entry 171, 196
Mechanical key 172
Replacing the battery 616
Warning buzzer 196
Wireless remote control key 171
Knee airbags 43

L

Lane Departure Alert (LDA) 330
Operation 330
Lane Tracing Assist (LTA) 325
Operation 325
Language (multi-information display) 148, 160
LDA (Lane Departure Alert) 330
Operation 330
Lever
Auxiliary catch lever 579
Hood lock release lever 579
Shift lever 271, 275
Tilt and telescopic steering lock release lever 214
Turn signal lever 277
Wiper lever 298, 301
License plate lights 285
Replacing light bulbs 623
Switch 285
Light bulbs
Replacing 623
Wattage 697
Lights
AHB (Automatic High Beam) 293
AHS (Adaptive High-beam System) 290
Cornering lights 289
Extended Headlight Lighting 287
Fog lights 296
Headlight switch 285
Illuminated entry system 529
Interior lights list 528
Interior lights 529
Personal lights 530
Replacing light bulbs 623
Turn signal lever 277
Vanity lights 542
Lock steering column 266
LTA (Lane Tracing Assist) 325
Operation 325
Luggage compartment light 181, 187
Luggage cover 539

M

Maintenance
Do-it-yourself maintenance 577
Maintenance data 680
Maintenance requirements 565
Malfunction indicator lamp 637
Manual headlight leveling dial 287
Meter
Clock 132, 139
Indicators 124
Instrument panel light control ... 133, 140

Meter control switches 141, 152
Meters 130, 135
Multi-information display 141, 150
Settings 146, 157, 701
Units 148, 160
Warning lights 636
Warning messages 646
Meter control switches.....141, 152
Mirrors
Inside rear view mirror 216
Outside rear view mirror defoggers 513
Outside rear view mirrors.....217
Vanity mirrors.....542
Moon roof.....223
Door lock linked moon roof operation 223
Jam protection function.....223
Operation 223
Multi-information display
AdBlue™ gauge.....146, 156
Audio system-linked display143, 154
Auxiliary Gauges.....145, 155
Boost gauge.....145, 156
Changing the display 141, 152
Cruise control.....350, 353
Display contents.....141, 150
Driving information display.142, 154
Driving support system information display 143, 154
Eco Driving Indicator.....143, 153
Engine oil temperature gauge..145, 156
Language 148, 160
LDA (Lane Departure Alert) 330
Meter control switches 141, 152
Navigation system-linked display 143, 154
PCS (Pre-Collision System).....312
Pitch & Roll (Inclinometer display) 144, 155
Pop-up display 148, 160
RSA (Road Sign Assist).....335
Settings 146, 157, 701
Suggestion function.....149, 161
Tire pressure 603
Toyota parking assist-sensor 382
Traction monitor 144, 155
Transmission oil temperature gauge 145, 156
Units 148, 160
Vehicle information display 143
Warning messages 646
Multi-terrain Monitor.....407
How to switch the display.....412
If you notice any symptoms.....469
Rear camera washer.....301
Screen display.....408
Multi-terrain Select 486
My Settings.....231

N

nanoe™ X 514
Navigation system-linked display 143, 154

O

Odometer.....130, 135
Off-road precautions 500
Oil
Engine oil 687
Front differential oil.....693
Rear differential oil 693
Transfer oil 695
Opener
Back door.....181, 182
Fuel filler door 304
Hood.....579
Open tray.....537
Outer foot lights.....528
Replacing light bulbs.....623

Outside rear view mirrors 217
Adjusting and folding..... 217
Folding and extending..... 218
Linked mirror function when reversing 219
Mirror position memory 226
Outside rear view mirror defoggers 513
RCTA (Rear Cross Traffic Alert) function 388
Safe Exit Assist 377
Outside temperature 130, 135
Overheating 674

P

Parking assist sensors (Toyota parking assist-sensor) 382
Parking brake
Operation 278
Parking brake engaged warning buzzer 280
Warning light 642
Warning message 280
Parking Support Brake (PKSB) ... 397
Parking Support Brake function (Moving Vehicles Rear of the Vehicle)..... 404
Parking Support Brake function (Pedestrians Rear of the Vehicle) 405
Parking Support Brake function (Static Objects Front and Rear of the Vehicle)..... 401
PCS (Pre-Collision System)
Function 312
Warning light 638
Personal lights 530
Pintle hook 255
PKSB (Parking Support Brake) ... 397
Parking Support Brake function (Moving Vehicles Rear of the Vehicle)..... 404
Parking Support Brake function (Pedestrians Rear of the Vehicle) 405
Parking Support Brake function (Static Objects Front and Rear of the Vehicle)..... 401
Power back door 182
Jam protection function 187
Power back door switch 182
Power easy access system 226
Power outlet (120 VAC or 220 VAC) 544
Power outlet (12 VDC) 543
Power steering
Warning light 638
Power windows 220
Jam protection function 220
Operation 220
Window lock switch 222
Pre-Collision System (PCS)
Function 312
Warning light 638

R

Radar cruise control
Dynamic radar cruise control 339
Radiator 588
RCD (Rear Camera Detection) 393
Function 393
RCTA (Rear Cross Traffic Alert) .. 388
RCTA Function..... 389
Rear automatic air conditioning system 522
Rear cooler system 520
Rear Cross Traffic Alert (RCTA) .. 388
Rear differential lock system 480
Rear fog light 296
Replacing light bulbs 623
Switch..... 296
Rear passengers' seat belt reminder

light.....644
Rear seats 202
Adjustment.....202
Head restraints.....211
Seat heaters.....525
Seat ventilators 526
Stowing the third seats.....207
Tumbling the second seats 203
Rear turn signal lights.....277
Replacing light bulbs.....623
Turn signal lever 277
Wattage.....697
Rear Vehicle Approaching Indication 370
Rear view mirror
Inside rear view mirror 216
Outside rear view mirrors.....217
Rear window defogger.....513
Rear window wiper.....301
Refueling 303
Capacity.....685
Fuel types 685
Opening the fuel tank cap 304
Replacing
Electronic key battery.....616
Fuses 618
Light bulbs.....623
Tires.....653
Wireless remote control battery .616
Road Sign Assist (RSA).....335
RSA (Road Sign Assist).....335

S

Safe Exit Assist 377
Seat belt reminder light.....643, 644
Seat belts 38
Adjusting the seat belt shoulder anchor height.....40
Child restraint system installation77, 89
Cleaning and maintaining the seat belt.....562
Emergency Locking Retractor.....40
How to wear your seat belt.....39
How your child should wear the seat belt 40
Pregnant women, proper seat belt use 39
Reminder light and buzzer .643, 644
Seat belt pretensioners 41
SRS warning light.....637
Seat heaters 525
Seat position memory 227
Seats 201, 202
Adjustment precautions.....201, 203
Adjustment 201, 202
Child restraint system installation.52
Child seats/child restraint system installation 52, 82
Cleaning 562
Driving position memory.....226
Head restraint.....211
Power easy access system.....226
Properly sitting in the seat.....37
Seat heaters.....525
Seat position memory 227
Seat ventilators 526
Seat ventilators 526
Secondary Collision Brake ..375, 496
Sensor
BSM (Blind Spot Monitor).....365
Headlight control 286
Inside rear view mirror.....217
Intrusion sensor and tilt sensor ..113
Kick sensor.....184, 185
LDA (Lane Departure Alert) 330
LTA (Lane Tracing Assist).....325
Parking Support Brake function (Moving Vehicles Rear of the Vehicle).....365
Parking Support Brake function (Static Objects Front and Rear of

the Vehicle)....382
Power back door....187
Radar sensor....365
Rain-sensing windshield wipers.300
RCTA (Rear Cross Traffic Alert) 365
Toyota parking assist-sensor....382
Shift lever....271, 275
Automatic transmission....270, 273
If the shift lever cannot be shifted from P....271, 275
Shift lock system....271, 275
Side airbags....43
Side doors....174
Side mirrors....217
Adjustment....218
BSM (Blind Spot Monitor)....364
Folding and extending....218
Heaters....513
Linked mirror function when reversing....219
Mirror position memory....227
RCTA (Rear Cross Traffic Alert) 388
Safe Exit Assist....377
Side turn signal lights....277
Replacing light bulbs....623
Turn signal lever....277
Side windows....220
Smart entry & start system....196
Antenna location....196
Entry functions....174, 180
Starting the engine....265
Warning message....646
Snow tires....502
"SOS" button....100, 103, 106
Spare tire
Storage location....653
Spark plug....693
Specifications....680
Speedometer....130, 135
Sport mode....473
Steering lock....266
Column lock release....266
Steering lock system warning message....266
Steering wheel
Adjustment....214
Auto tilt away....215
Heated steering wheel....525
Meter control switches....141, 152
Power easy access system....226
Steering wheel position memory 227
Steering wheel switches....554
Stop lights
Replacing light bulbs....623
Stop & Start system
Function....358
Storage feature....532
Storage precautions....533
Stuck
If the vehicle becomes stuck....677
Suggestion function....149, 161
Sunshade
Moon roof....223
Sun visors....542
Switches
"SOS" button....100, 103, 106
Adaptive High-beam System switch....290
Automatic High Beam switch....293
Brake hold switch....282
Camera switch....412
Center differential lock switch....476
Cruise control switch..342, 350, 353
DAC/CRAWL....489
Door lock switches....177
DPF system switch....492
DRIVE MODE switch....473
Driving mode select switch....473
Driving position memory buttons 227
Emergency flashers switch....628
Engine switch (ignition switch)...265
Fog light switch....296

Four-wheel drive control switch . 475
Front differential lock switch..... 478
Headlight switch..... 285
Heated steering wheel 525
Ignition switch 265
Intrusion sensor and tilt sensor cancel switch 113
Light switch 285
Meter control switches 141, 152
Moon roof switches..... 223
MTS 486
Outside rear view mirror switches 218
Parking brake switch..... 278
PKSB (Parking Support Brake) switch..... 398
Power back door switches 182
Power window switches..... 220
Rear differential lock switch 480
Rear window and outside rear view mirror defoggers switch 513
Rear window wiper and washer switch..... 301
Seat heater switches..... 525
Seat ventilator switches 526
Steering wheel switches 554
Tilt and telescopic steering control switch..... 214
Turn Assist switch..... 482
VIEW switch..... 412
VSC OFF switch 496
Window lock switch..... 222
Windshield defogger switch 513
Windshield wipers and washer switch..... 298
Wireless charger power supply switch..... 547

T

Tachometer 130, 135
Tail lights..... 285
Replacing light bulbs..... 623
Switch..... 285
Theft deterrent system
Alarm..... 112
Double locking system 111
Engine immobilizer system 110
Intrusion sensor and tilt sensor .. 113
Things you should know
If you notice any symptoms..... 469
Tire inflation pressure
Maintenance data..... 696
Warning light 643
Tire pressure warning system..... 603
Function 603
Installing tire pressure warning valves and transmitters..... 605
Registering ID codes..... 609
Registration of the position of each wheel after performing a tire rotation 605
Selecting wheel set 611
Setting the tire pressure..... 607
Warning light 643
Tires 602
Chains..... 504
Checking 602
If you have a flat tire..... 653
Inflation pressure..... 612
Replacing 653
Rotating tires 603
Size 696
Snow tires 502
Spare tire..... 653
Tire pressure warning system 603
Warning light 643
Tools 653
Top strap 81, 97
Top tether anchorages..... 81, 97
Towing
Emergency towing..... 631
Towing hook..... 633

Trailer sway control 495
Trailer towing 247
Toyota Connected Services 106
Toyota parking assist-sensor..... 382
Function 382
Toyota Safety Sense 306
AHB (Automatic High Beam) 293
AHS (Adaptive High-beam System) 290
Cruise control 350, 353
Dynamic radar cruise control 339
Emergency Driving Stop System 356
LDA (Lane Departure Alert) 330
LTA (Lane Tracing Assist) 325
PCS (Pre-Collision System) 312
RSA (Road Sign Assist) 335
Traction control (TRC) 495
Trailer sway control 495
Trailer towing 247
Transmission
Automatic transmission 270, 273
M mode 272
S mode 276
TRC (Traction Control) 495
Trip information 144, 154
Trip meters 130, 135
Turn signal lights 277
Replacing light bulbs 623
Turn signal lever 277

U

USB Type-C charging ports..... 545

V

Vanity lights 542
Vanity mirrors 542
Vehicle data recordings 7, 8
Vehicle identification number 683
Vehicle Stability Control (VSC) ... 494
Ventilators
Seat ventilators 526
Voltmeter 130, 135
VSC (Vehicle Stability Control).... 494

W

Warning buzzers
Brake hold 642
Brake Override System 640
Brake system 636
Cruise control indicator 639
Downshifting..... 273, 277
Drive-Start Control 640
Dynamic radar cruise control indicator 639
High coolant temperature 637
LDA (Lane Departure Alert) indicator 638
LDA (Lane Departure Alert) 330
Low engine oil pressure 637
LTA (Lane Tracing Assist) indicator 638
LTA (Lane Tracing Assist)..325, 638
RSA (Road Sign Assist) 335
Seat belt reminder..... 643, 644
Toyota parking assist-sensor OFF indicator 640
Toyota parking assist-sensor 382
Warning lights
ABS 638
Brake hold operated indicator 642
Brake Override System 640
Brake system 636
Center differential lock indicator. 641
Charging system 636
Cruise control indicator 639
Drive-Start Control 640
Driving assist information indicator 639
Dynamic radar cruise control indicator 639
Front differential lock indicator ... 641

High coolant temperature.....637
LDA (Lane Departure Alert) indicator 638
Low AdBlue™ level.....642
Low engine oil pressure.....637
Low fuel level 642
Low speed four-wheel drive indicator light 641
LTA (Lane Tracing Assist) indicator 638
Malfunction indicator lamp 637
Parking brake indicator 642
PCS.....638
PKSB (Parking Support Brake)..640
Power steering 638
Rear differential lock indicator....642
Seat belt reminder light.....643, 644
Slip indicator 641
SRS.....637
Stop & Start cancel indicator.....640
Tire pressure.....643
Toyota parking assist-sensor OFF indicator 640
Warning messages.....646
Washer
Checking.....592
Low washer fluid warning message 592, 646
Preparing and checking before winter 502
Switch 298, 301
Washing and waxing.....558
Wheels.....613
Replacing wheels.....653
Window glasses
Power windows.....220
Window lock switch 222
Windows
Power windows.....220
Rear window defogger.....513
Washer.....298, 301
Windshield defogger.....513
Windshield de-icer.....517
Windshield wipers 298
Winter driving tips 502
Wireless charger.....546
Wireless remote control.....171
Battery-saving function.....197
Locking/Unlocking.....171
Replacing the battery 616

For information regarding the equipment listed below, refer to “Multimedia Owner’s Manual”.

- Voice control system
- Navigation
- Audio system
- Rear Seat Entertainment System
- Hands-free calls
- Toyota parking assist monitor

Certifications

eCall

<TL21BNU2>



ERA-GLONASS/EVAK

Подтверждение соответствия Минкомсвязи России:
Декларация соответствия № Д-МДРТ-13127 от 03.12.2020 года, действительна до 03.12.2025 года, зарегистрирована в Федеральном агенстве связи 14.12.2020 года

Smart entry & start system and engine immobilizer system

FCC ID: NI4TMLF19D-3 US

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

93

00

Transmitter: Model: TMLF19D-3
Operation frequency: 134.2kHz
Maximum output power (ERP): 0.41mW
Manufacturer: TOYOTA MOTOR CORPORATION
Address:1, Toyota-Cho, Toyota, Aichi, 471-8572, Japan

93

Hereby, TOYOTA MOTOR CORPORATION declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://contact-us.denso.com/form/global/en/contact-us/doc 01A
TOYOTA MOTOR CORPORATION vakuuttaa, että radiolaitetyyppi on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://contact-us.denso.com/form/global/en/contact-us/doc 02A
Hierbij verklaar ik, TOYOTA MOTOR CORPORATION, dat het type radioapparatuur conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://contact-us.denso.com/form/global/en/contact-us/doc 03A
Le soussigné, TOYOTA MOTOR CORPORATION, déclare que l'équipement radioélectrique du type est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://contact-us.denso.com/form/global/en/contact-us/doc 04A
Härmed försäkrar TOYOTA MOTOR CORPORATION att denna typ av radioutrustning överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://contact-us.denso.com/form/global/en/contact-us/doc 05A
Hermed erklærer TOYOTA MOTOR CORPORATION, at radioudstyrstypen er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://contact-us.denso.com/form/global/en/contact-us/doc 06A
Hiermit erklärt TOYOTA MOTOR CORPORATION, dass der Funkanlagentyp der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://contact-us.denso.com/form/global/en/contact-us/doc 07A
Με την παρούσα ο/η TOYOTA MOTOR CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://contact-us.denso.com/form/global/en/contact-us/doc 08A

Il fabbricante, TOYOTA MOTOR CORPORATION, dichiara che il tipo di apparecchiatura radio è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://contact-us.denso.com/form/global/en/contact-us/doc 09A
Por la presente, TOYOTA MOTOR CORPORATION declara que el tipo de equipo radioeléctrico es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://contact-us.denso.com/form/global/en/contact-us/doc 10A
O(a) abaixo assinado(a) TOYOTA MOTOR CORPORATION declara que o presente tipo de equipamento de rádio está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://contact-us.denso.com/form/global/en/contact-us/doc 11A
B'dan, TOYOTA MOTOR CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://contact-us.denso.com/form/global/en/contact-us/doc 12A
Käesolevaga deklareerib TOYOTA MOTOR CORPORATION, et käesolev raadioseadme tüüp vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://contact-us.denso.com/form/global/en/contact-us/doc 13A
TOYOTA MOTOR CORPORATION igazolja, hogy a típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://contact-us.denso.com/form/global/en/contact-us/doc 14A
TOYOTA MOTOR CORPORATION týmto vyhlasuje, že rádiové zariadenie typu je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://contact-us.denso.com/form/global/en/contact-us/doc 15A

Tímto TOYOTA MOTOR CORPORATION prohlašuje, že typ rádiového zařízení je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://contact-us.denso.com/form/global/en/contact-us/doc 16A
TOYOTA MOTOR CORPORATION potrjuje, da je tip radijske opreme skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://contact-us.denso.com/form/global/en/contact-us/doc 17A
Aš, TOYOTA MOTOR CORPORATION, patvirtinu, kad radijo įrenginių tipas atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://contact-us.denso.com/form/global/en/contact-us/doc 18A
Ar šo TOYOTA MOTOR CORPORATION deklarē, ka radioiekārta atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://contact-us.denso.com/form/global/en/contact-us/doc 19A
TOYOTA MOTOR CORPORATION niniejszym oświadcza, że typ urządzenia radiowego jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://contact-us.denso.com/form/global/en/contact-us/doc 20A
Hér með lýsir TOYOTA MOTOR CORPORATION yfir því að er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: https://contact-us.denso.com/form/global/en/contact-us/doc 21A
TOYOTA MOTOR CORPORATION erklærer at er i overensstemmelse med direktiv 2014/53/EU. Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse: https://contact-us.denso.com/form/global/en/contact-us/doc 22A
С настоящото TOYOTA MOTOR CORPORATION декларира, че този тип радиосъоръжение е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://contact-us.denso.com/form/global/en/contact-us/doc 23A

Prin prezenta, TOYOTA MOTOR CORPORATION declară că tipul de echipamente radio este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://contact-us.denso.com/form/global/en/contact-us/doc 24A
TOYOTA MOTOR CORPORATION ovime izjavljuje da je radijska oprema tipa u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://contact-us.denso.com/form/global/en/contact-us/doc 25A
Овиме, TOYOTA MOTOR CORPORATION изјављује да је радио опрема тип усаглашена са Директивом 2014/53/EU. Цео текст ЕУ декларације о усаглашености доступам је на следећој интернет адреси: https://contact-us.denso.com/form/global/en/contact-us/doc 26A
Amb aquest document, TOYOTA MOTOR CORPORATION declara que el tipus d'equipament radioelèctric es conforme a la Directiva 2014/53/UE. El text complet de la declaració UE de conformitat està disponible en la següent adreça d'Internet: https://contact-us.denso.com/form/global/en/contact-us/doc 27A
İşbu belge; TOYOTA MOTOR CORPORATION telsiz ekipmanı tipinin 2014/53/AB sayılı Direktif'e uygun olduğunu beyan eder. AB uygunluk beyanının tam metni aşağıdaki internet adresinde mevcuttur: https://contact-us.denso.com/form/global/en/contact-us/doc 28A
Me anë të kësaj deklaratë, subjekti TOYOTA MOTOR CORPORATION deklaron se pajisjet radio është në përputhje me këtë rregull teknik për pajisjet radio dhe fundore të komunikimeve elektronike. Teksti i plotë i Deklaratës së Konformitetit është i disponueshëm në adresën e mëposhtme të internetit: https://contact-us.denso.com/form/global/en/contact-us/doc 29A
Prin prezenta, TOYOTA MOTOR CORPORATION declară că tipul de echipamente radio este în conformitate cu Reglementarea tehnică „Punerea la dispoziție pe piață a echipamentelor radio". Textul integral al declarației de conformitate este disponibil la următoarea adresă de Internet: https://contact-us.denso.com/form/global/en/contact-us/doc 30A

UA

передавач: модель: TMLF19D-3
смугу радіочастот: 134.2 кГц
максимальну потужність
випромінювання (ERP): 0.41мВт
виробник: TOYOTA MOTOR CORPORATION
адреса: 1, Toyota-Cho, Toyota, Aichi, 471-8572, Japan

931

UA

справжнім TOYOTA MOTOR CORPORATION заявляє, що тип радіообладнання відповідає Технічному регламенту радіообладнання;
повний текст декларації про відповідність доступний на веб-сайті за такою адресою:
https://contact-us.denso.com/form/global/en/contact-us/doc



931

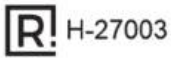
WS



93

AR

TOYOTA
Model: TMLF19D-3



93

JM

This product has been Type Approved by Jamaica: SMA – TMLF19D-3.

93

[Para los vehículos que se venden en Paraguay] PY
Nombre del proveedor en Paraguay: Toyotoshi S.A.
Dirección: Av. Mariscal López esq. Victor Cáceres, San Lorenzo, Central, Paraguay

81

Transmitter: Model: TMLF19D-3 GH
Operation frequency: 134.2kHz
Maximum output power (ERP): 0.41mW
Manufacturer: TOYOTA MOTOR CORPORATION
Address:1, Toyota-Cho, Toyota, Aichi, 471-8572, Japan

NCA APPROVED: HT-7E8-12B-THE

Hereby, TOYOTA MOTOR CORPORATION declares that the radio equipment type is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
https://contact-us.denso.com/form/global/en/contact-us/doc 93

ZM

ZICTA
ZMB / ZICTA / TA / 2022 / 12 / 91

93

Model: TMLF19D-3 SL
NatCA TAN: 2024-002-0037

93

SENEGAL: 072873/AG/ER SN
Model: TMLF19D-3

93

TZ

TCRA/TECESRD/0057/2024

93

Model: TMLF19D-3

NG

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission.

93

Mauritania: 1444/ARE/2024

MR

93

Smart entry & start system

This product has been Type Approved by Jamaica: SMA, Equipment identifier is placed on the product.

CONATEL

NR:2020-07-I-0464

TOKAI RIKA B3N2K2R

[Información de empresas de venta de vehículos en Paraguay]

- Nombre de la empresa: Toyotoshi S.A.
- Dirección de la empresa: Av. Mariscal López esq. Victor Cáceres, San Lorenzo,Central, Paraguay

Hereby, TOKAI RIKA CO., LTD. declares that the radio equipment type B3N2K2R is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
http://www.tokai-rika.co.jp/pc

Frequency band: 433.050 - 434.790 MHz
Maximum radio-frequency power: 10mW(ERP)

TOKAI RIKA CO., LTD. vakuuttaa, että radiolaitetyyppi B3N2K2R on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
http://www.tokai-rika.co.jp/pc

Radiotaajuus: 433.050 - 434.790 MHz
suurin mahdollinen lähetysteho: 10mW(ERP)

Hierbij verklaar ik, TOKAI RIKA CO., LTD., dat het type radioapparatuur B3N2K2R conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
http://www.tokai-rika.co.jp/pc

Frequentieband: 433.050 - 434.790 MHz
Maximaal radiofrequentievermogen: 10mW(ERP)

Le soussigné, TOKAI RIKA CO., LTD., déclare que l'équipement radioélectrique du type B3N2K2R est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:
http://www.tokai-rika.co.jp/pc

Bande de fréquences: 433.050 - 434.790 MHz
Puissance de radiofréquence maximale: 10mW(ERP)

Härmed försäkrar TOKAI RIKA CO., LTD. att denna typ av radioutrustning B3N2K2R överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:
http://www.tokai-rika.co.jp/pc

Frekvensband: 433.050 - 434.790 MHz
Maximal radiofrekvenseffekt: 10mW(ERP)

Hermed erklærer TOKAI RIKA CO., LTD., at radioudstyrstypen B3N2K2R er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:
http://www.tokai-rika.co.jp/pc

Frekvensbånd: 433.050 - 434.790 MHz
Maksimal radiofrekvenseffekt: 10mW(ERP)

Hiermit erklärt TOKAI RIKA CO., LTD., dass der Funkanlagentyp B3N2K2R der Richtlinie 2014/53/EU entspricht.

Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:
http://www.tokai-rika.co.jp/pc

Frequenzband: 433.050 - 434.790 MHz
Abgestrahlte maximale Sendeleistung: 10mW(ERP)

Με την παρούσα ο/η TOKAI RIKA CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός B3N2K2R πληροί την οδηγία 2014/53/ΕΕ.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:
http://www.tokai-rika.co.jp/pc

Ζώνη συχνοτήτων: 433.050 - 434.790 MHz
Μέγιστη ισχύς ραδιοσυχνότητας: 10mW(ERP)

Il fabbricante, TOKAI RIKA CO., LTD., dichiara che il tipo di apparecchiatura radio B3N2K2R è conforme alla direttiva 2014/53/UE.

Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:
http://www.tokai-rika.co.jp/pc

Banda di frequenza: 433.050 - 434.790 MHz
Potenza massima radiofrequenza: 10mW(ERP)

Por la presente, TOKAI RIKA CO., LTD. declara que el tipo de equipo radioeléctrico B3N2K2R es conforme con la Directiva 2014/53/UE.

El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:
http://www.tokai-rika.co.jp/pc

Banda de frecuencia: 433.050 - 434.790 MHz
Potencia máxima de radiofrecuencia: 10mW(ERP)

O(a) abaixo assinado(a) TOKAI RIKA CO., LTD. declara que o presente tipo de equipamento de rádio B3N2K2R está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:
http://www.tokai-rika.co.jp/pc

Banda de frequência: 433.050 - 434.790 MHz
Potência máxima de radiofrequências: 10mW(ERP)

B'dan, TOKAI RIKA CO., LTD., niddikjara li dan it-tip ta' tagħmir tar-radju B3N2K2R huwa konformi mad-Direttiva 2014/53/UE.

It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej:
http://www.tokai-rika.co.jp/pc

Tíðnisvið: 433.050 - 434.790 MHz
Hámarks útvarpsbylgjutíðni: 10mW(ERP)

Käesolevaga deklareerib TOKAI RIKA CO., LTD., et käesolev raadioseadme tüüp B3N2K2R vastab direktiivi 2014/53/EL nõuetele.

ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil:
http://www.tokai-rika.co.jp/pc

Sagedusriba: 433.050 - 434.790 MHz
Maksimaalne saatevõimsus: 10mW(ERP)

TOKAI RIKA CO., LTD. igazolja, hogy a B3N2K2R típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.

Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen:
http://www.tokai-rika.co.jp/pc

Frekvenciasáv: 433.050 - 434.790 MHz
Maximális jelerősség: 10mW(ERP)

TOKAI RIKA CO., LTD. týmto vyhlasuje, že rádiové zariadenie typu B3N2K2R je v súlade so smernicou 2014/53/EÚ.

Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:
http://www.tokai-rika.co.jp/pc

Frekvenčné pásmo: 433.050 - 434.790 MHz
Maximálny rádiofrekvenčný výkon: 10mW(ERP)

Tímto TOKAI RIKA CO., LTD. prohlašuje, že typ rádiového zařízení B3N2K2R je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.tokai-rika.co.jp/pc Kmitočtové pásmo: 433.050 - 434.790 MHz Maximální radiofrekvenční výkon: 10mW(ERP)
TOKAI RIKA CO., LTD. potrjuje, da je tip radijske opreme B3N2K2R skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.tokai-rika.co.jp/pc Frekvenčni pas: 433.050 - 434.790 MHz Največja moč radijske frekvence: 10mW(ERP)
Aš, TOKAI RIKA CO., LTD., patvirtinu, kad radijo įrenginių tipas B3N2K2R atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.tokai-rika.co.jp/pc Dažnių juosta: 433.050 - 434.790 MHz Didžiausia radijo dažnių galia: 10mW(ERP)

Ar šo TOKAI RIKA CO., LTD. deklarē, ka radioiekārta B3N2K2R atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.tokai-rika.co.jp/pc Frekvenču josla: 433.050 - 434.790 MHz Maksimālā radiofrekvenču jauda: 10mW(ERP)
TOKAI RIKA CO., LTD. niniejszym oświadcza, że typ urządzenia radiowego B3N2K2R jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.tokai-rika.co.jp/pc Zakres częstotliwości: 433.050 - 434.790 MHz Maksymalna moc częstotliwości radiowej: 10mW(ERP)
TOKAI RIKA CO., LTD. lýsir því hér með yfir að fjarskiptatækið af gerð B3N2K2R er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://www.tokai-rika.co.jp/pc Tíðnisvið: 433.050 - 434.790 MHz Hámarks útvarpsbylgjutíðni: 10mW(ERP)

TOKAI RIKA CO., LTD. erklærer herved at radioutstyrtypen B3N2K2R er i samsvar med direktivet 2014/53/EU.

Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet:
http://www.tokai-rika.co.jp/pc

Frekvensbånd: 433.050 - 434.790 MHz
Maksimal radiofrekvenseffekt: 10mW(ERP)

С настоящото TOKAI RIKA CO., LTD. декларира, че този тип радиосъоръжение B3N2K2R е в съответствие с Директива 2014/53/EC.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
http://www.tokai-rika.co.jp/pc

Радиочестотна лента: 433.050 - 434.790 MHz
Максимална радиочестотна мощност: 10mW(ERP)

Prin prezenta, TOKAI RIKA CO., LTD. declară că tipul de echipamente radio B3N2K2R este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:
http://www.tokai-rika.co.jp/pc

Banda de frecvență: 433.050 - 434.790 MHz
Puterea maximă de radiofrecvență: 10mW(ERP)

Ovime TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa B3N2K2R u skladu sa Direktivom 2014/53/EU.

Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi:
http://www.tokai-rika.co.jp/pc

Frekvencijski opseg: 433.050 - 434.790 MHz
Maksimalna radio-frekvencijska snaga: 10mW(ERP)

Me anë të këtij dokumenti, TOKAI RIKA CO., LTD. deklaron se tipi i radiopajisjes B3N2K2R është në përputhje me Direktivën 2014/53/EU.

Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit:
http://www.tokai-rika.co.jp/pc

Brezi i frekuencës: 433.050 - 434.790 MHz
Fuqia maksimale e radiofrekuencës: 10mW(ERP)

TOKAI RIKA CO., LTD. ovime izjavljuje da je radijska oprema tipa B3N2K2R u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:
http://www.tokai-rika.co.jp/pc

Frekvencijski pojas: 433.050 - 434.790 MHz
Maksimalna RF snaga: 10mW(ERP)

Ovim TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa B3N2K2R u skladu sa Direktivom 2014/53/EU.

Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi:
http://www.tokai-rika.co.jp/pc

Frekventni opseg: 433.050 - 434.790 MHz
Maksimalna radio-frekventna snaga: 10mW(ERP)

TOKAI RIKA CO., LTD., işbu belgeyle telsiz cihazı türünün B3N2K2R 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir.

AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz:
http://www.tokai-rika.co.jp/pc

Frekans bandı: 433.050 - 434.790 MHz
Maksimum radyo frekans gücü: 10mW(ERP)

CE

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

⚠: This mark is a safety/warning mark.
・Do not ingest battery.
Chemical Burn Hazard
・This product contains a coin / button cell battery.
・If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
・Keep new and used batteries away from children.
・If the battery compartment does not close securely, stop using the product and keep it away from children.
・If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
CAUTION
・Risk of explosion if the battery is replaced by an incorrect type.
・Replace battery with the same type.
CAUTION
・Risk of explosion or the leakage of flammable liquid or gas.

・Do not use in /store in /bring into environment of extremely high temperature or extremely low pressure due to the very high altitude.
・Do not attempt to burn, crush, or cut used battery.

⚠ : Tämä on turva-/varoitusmerkki.
・Paristoa ei saa laittaa suuhun.
Kemiallisen palovamman vaara
・Laitteessa on kolikko-/nappiparisto.
・Elimistöön joutunut kolikko-/nappiparisto voi aiheuttaa vakavia sisäisiä palovammoja vain 2 tunnissa, jolloin seurauksena voi olla hengen menetys.
・Uudet ja käytetyt paristot on pidettävä poissa lasten ulottuvilta.
・Jos paristolokero ei sulkeudu kunnolla, laitteen käyttö on lopetettava, ja laite on pidettävä poissa lasten ulottuvilta.
・Jos on syytä epäillä, että paristo on nielaistu tai muuten päässyt elimistöön, ota välittömästi yhteyttä lääkäriin.
TÄRKEÄ HUOMAUTUS
・Käytetyn pariston vaihtaminen tyypiltään väärään voi aiheuttaa räjähdysvaaran.
・Vaihda paristo tyypiltään samanlaiseen.
TÄRKEÄ HUOMAUTUS
・Räjähdysvaara tai syttyvän nesteen tai kaasun vuotovaara.

・Ei saa käyttää/säilyttää/tuoda lämpötilaltaan tai merenpinnasta mitattuna erittäin korkeaan ympäristöön, jossa ilmanpaine on erittäin alhainen.
・Käytettyä paristoa ei saa polttaa, murskata tai halkaista.

⚠ : Dit teken is een veiligheids-/waarschuwingsteken.
・Slik de batterij niet in.
Risico op chemische brandwonden
・Dit product bevat een munt-/knoopcelbatterij.
・Als de munt-/knoopcelbatterij wordt ingeslikt, kan het al binnen 2 uur ernstige interne brandwonden veroorzaken en de dood tot gevolg hebben.
・Houd nieuwe en gebruikte batterijen buiten bereik van kinderen.
・Als het batterijcompartiment niet goed sluit, stop dan met het gebruik van het product en houd het buiten bereik van kinderen.
・Als u denkt dat batterijen zijn ingeslikt of in enig deel van het lichaam zijn gestopt, roep dan onmiddellijk medische hulp in.
VOORZICHTIG
・Er bestaat een risico op ontploffing als de batterij wordt vervangen door een verkeerd type.
・Vervang de batterij door een van hetzelfde type.
VOORZICHTIG
・Er bestaat een risico op ontploffing of lekkage van brandbare vloeistof of gas.
・Niet gebruiken in/bewaren in/meenemen naar een omgeving met extreem hoge temperatuur of met extreem lage druk als gevolg van zeer grote hoogte.
・Een gebruikte batterij niet verbranden, platdrukken, of doorsnijden.

⚠ : Ce pictogramme est une marque de sécurité/avertissement.
・Ne pas ingérer la pile.
Risques de brûlure chimique
・Ce produit contient une pile bouton.
・Si la pile bouton est avalée, elle peut causer de graves brûlures internes en seulement 2 heures et peut entraîner la mort.
・Conservez les piles neuves et usagées hors de portée des enfants.
・Si le compartiment de la pile ne ferme pas correctement, cessez d'utiliser le produit et conservez-le hors de portée des enfants.
・Si vous pensez que des piles ont pu être avalées ou placées à l'intérieur d'une partie du corps, consultez immédiatement un médecin.
AVERTISSEMENT
・Risque d'explosion si la pile est remplacée par un type incorrect.
・Remplacez la pile par une pile du même type.
AVERTISSEMENT
・Risque d'explosion ou de fuite de liquide ou de gaz inflammable.
・Ne jamais utiliser, stocker, placer dans un environnement à la température extrêmement élevée ou à la pression extrêmement basse en raison d'une très haute altitude.
・Ne jamais essayer de brûler, écraser ou couper des piles usagées.

⚠: Det här märket är ett säkerhets-/varningsmärke.
・Förtär inte batteriet.
Risk för kemisk brännskada
・Den här produkten innehåller ett mynt-/knappbatteri.
・Om mynt-/knappbatteriet sväljs kan det orsaka allvarliga interna brännskador på bara två timmar, vilket kan leda till dödsfall.
・Håll nya och använda batterier borta från barn.
・Om batterifacket inte stängs ordentligt, sluta använda produkten och håll den undan från barn.
・Om du misstänker att batterier har svalts eller placerats inuti någon del av kroppen, sök omedelbart läkarvård.
VARNING
・Risk för explosion om batteriet byts ut mot ett av fel typ.
・Byt ut batteriet mot ett av samma typ.
VARNING
・Risk för explosion eller läckage av brandfarliga vätskor och gaser.

・Använd inte, förvara inte och ta inte in i miljö med extremt hög temperatur eller extremt lågt tryck p.g.a. hög höjd.
・Försök inte bränna, krossa eller skära använt batteri.

⚠ : Dette mærke er et sikkerheds-/advarselsmærke.
・Batteriet må ikke indtages.
Fare for kemisk forbrænding
・Dette produkt indeholder et mønt-/knapcellebatteri.
・Hvis mønt-/knapcellebatteriet sluges, kan det medføre alvorlige indre forbrændinger i løbet af kun 2 timer og kan føre til dødsfald.
・Opbevar nye og brugte batterier utilgængeligt for børn.
・Hvis batterirummet ikke kan lukkes ordentligt, skal du indstille brugen af produktet og opbevare det utilgængeligt for børn.
・Hvis du har mistanke om, at der måske er blevet slugt batterier, eller batterier på anden måde er kommet ind i kroppen, skal du øjeblikkeligt søge lægehjælp.
FORSIGTIG
・Risiko for eksplosion, hvis batteriet udskiftes med en forkert type.
・Udskift batteriet med et batteri af samme type.
FORSIGTIG
・Risiko for eksplosion eller lækage af brændbar væske eller gas.

・Må ikke anvendes på/opbevares på/tages med til meget varme steder eller steder med meget lavt tryk som følge af ekstreme højder.
・Forsøg ikke at brænde, knuse eller adskille brugte batterier.

⚠: Dieses Symbol ist ein Sicherheits-/Warnsymbol.

・Verschlucken Sie die Batterie nicht.

Verätzungsgefahr

・Dieses Produkt enthält eine Knopfzellenbatterie.

・Falls die Knopfzellenbatterie verschluckt wird, kann dies innerhalb von nur 2 Stunden schwere innere Verätzungen verursachen und zum Tode führen.

・Halten Sie neue und gebrauchte Batterien von Kindern fern.

・Falls sich das Batteriefach nicht sicher schließen lässt, stellen Sie die Verwendung des Produkts ein und halten Sie es von Kindern fern.

・Falls Sie glauben, dass Batterien eventuell verschluckt oder in einen Teil des Körpers eingeführt worden sind, begeben Sie sich sofort in ärztliche Behandlung.

ACHTUNG

・Es besteht Explosionsgefahr, falls die Batterie durch eine Batterie der falschen Art ersetzt wird.

・Ersetzen Sie Batterien nur durch die gleiche Art.

ACHTUNG

・Es besteht Explosionsgefahr oder die Gefahr eines Austritts von brennbarer Flüssigkeit oder entzündlichem Gas.

・Das Produkt darf nicht in Umgebungen mit hohen Temperaturen oder extrem niedrigem Luftdruck aufgrund von extremen Höhenlagen verwendet / aufbewahrt / gebracht werden.

・Versuchen Sie nicht, gebrauchte Batterien zu verbrennen, zu zerstoßen oder zu schneiden.

⚠: Το σήμα αυτό είναι ένα σήμα ασφαλείας/προειδοποίησης.

・Μην καταπίνετε την μπαταρία.

Κίνδυνος χημικού εγκαύματος

・Αυτό το προϊόν περιέχει μια μπαταρία σχήματος νομίσματος / κουμπιού.

・Αν η μπαταρία σχήματος νομίσματος / κουμπιού καταποθεί, μπορεί να προκαλέσει σοβαρά εσωτερικά εγκαύματα σε μόλις 2 ώρες και μπορεί να επέλθει θάνατος.

・Διατηρείτε τις καινούργιες και τις χρησιμοποιημένες μπαταρίες μακριά από παιδιά.

・Εάν το διαμέρισμα της μπαταρίας δεν κλείνει καλά, σταματήστε τη χρήση του προϊόντος και κρατήστε το μακριά από παιδιά.

・Αν νομίζετε ότι οι μπαταρίες ενδέχεται να έχουν καταποθεί ή τοποθετηθεί μέσα σε οποιοδήποτε μέρος του σώματος, ζητήστε αμέσως ιατρική φροντίδα.

ΠΡΟΣΟΧΗ

・Υπάρχει κίνδυνος έκρηξης εάν η μπαταρία αντικατασταθεί με μπαταρία εσφαλμένου τύπου.

・Αντικαταστήστε την μπαταρία με μπαταρία του ίδιου τύπου.

ΠΡΟΣΟΧΗ

・Υπάρχει κίνδυνος έκρηξης ή διαρροής εύφλεκτων υγρών ή αερίων.

・Μη χρησιμοποιείτε / αποθηκεύετε / μεταφέρετε το προϊόν σε περιβάλλον με εξαιρετικά υψηλή θερμοκρασία ή εξαιρετικά χαμηλή πίεση λόγω πολύ μεγάλου υψομέτρου.

・Μην επιχειρήσετε να κάψετε, να συνθλίψετε ή να κόψετε μια χρησιμοποιημένη μπαταρία.

⚠ : Questo è un simbolo di sicurezza/avvertenza.
・Non ingerire la batteria.
Pericolo di ustioni chimiche
・Questo prodotto contiene una batteria a bottone/moneta.
・Se la batteria a bottone/moneta viene ingerita, può causare gravi ustioni interne in sole 2 ore e provocare la morte.
・Tenere le batterie nuove e usate lontano dalla portata dei bambini.
・Se il vano batteria non si chiude in modo saldo, interrompere l'utilizzo del prodotto e tenerlo lontano dalla portata dei bambini.
・Se si ritiene che le batterie siano state ingerite o inserite in qualsiasi parte del corpo, consultare immediatamente un medico.
ATTENZIONE
・Rischio di esplosione in caso di sostituzione della batteria con una di tipo errato.
・Sostituire la batteria con una dello stesso tipo.
ATTENZIONE
・Rischio di esplosione o di perdita di liquidi o gas infiammabili.

・Non utilizzare / immagazzinare / portare in ambienti con temperatura estremamente alta o pressione estremamente a causa dell'elevata altitudine.
・Non provare a bruciare, schiacciare o tagliare la batteria usata.

⚠: Este símbolo es un símbolo de seguridad/precaución.
・No ingerir la batería.
Peligro de quemadura química
・Este producto contiene una batería de pila de botón.
・Si se ingiere la batería de pila de botón, esta puede causar graves quemaduras internas en solo 2 horas y puede provocar la muerte.
・Mantenga las baterías nuevas y usadas alejadas de los niños.
・Si el compartimento de la batería no se cierra correctamente, deje de usar el producto y manténgalo alejado de los niños.
・Si cree que las baterías hayan podido ser ingeridas o introducidas en alguna parte del cuerpo, busque inmediatamente atención médica.
ATENCIÓN
・Riesgo de explosión si la batería es reemplazada por una del tipo incorrecto.
・Reemplace la batería por una del mismo tipo.
ATENCIÓN
・Riesgo de explosión o escape de líquido o gas inflamable.

・No usar / almacenar / introducir en un ambiente de temperatura extremadamente alta o de presión extremadamente baja a causa de la alta altitud.
・No intente quemar, aplastar, o cortar la batería usada.

⚠: Esta marca é uma marca de segurança/aviso.
·Não ingerir a pilha.
Perigo de Queimadura Química
·Este produto contém uma pilha de tipo moeda/botão.
·Se a pilha de tipo moeda/botão for engolida, poderá causar queimaduras internas graves em apenas 2 horas e levar à morte.
·Manter as pilhas novas e usadas longe de crianças.
·Se o compartimento da pilha não se fechar completamente, cessar a utilização do produto e manter fora do alcance das crianças.
·Caso seja possível que as pilhas tenham sido engolidas ou colocadas dentro de qualquer parte do corpo, procurar cuidados médicos imediatamente.
CUIDADO
·Risco de explosão se a pilha for substituída por uma de tipo incorreto.
·Substituir a pilha por uma do mesmo tipo.
CUIDADO
·Risco de explosão ou fuga de líquidos ou gases inflamáveis.

·Não utilizar/armazenar/colocar em ambiente de temperatura extremamente alta, ou pressão extremamente baixa devido a altitude muito alta.
·Não tentar queimar, esmagar ou cortar a pilha usada.

⚠: Din il-marka hija marka ta' sigurtá/twissija.
·Tiblax il-batterija.
Periklu ta' Ħruq Kimiku
·Dan il-prodott fih batterija munita / button cell.
·Jekk tinbela' l-batterija munita / button cell, tista' tikkawża ħruq intern sever f'temp ta' sagħtejn biss u tista' twassal għall-mewt.
·Żomm il-batteriji ġodda u użati 'l bogħod mit-tfal.
·Jekk il-kompartiment tal-batterija ma jagħlaqx sew, waqqaf l-użu tal-prodott u żommu 'l bogħod mit-tfal.
·Jekk taħseb li l-batteriji setgħu nbelgħu jew tpoġġew ġewwa xi parti tal-ġisem, fittex attenzjoni medika immedjata.
ATTENZJONI
·Riskju ta' splużjoni jekk il-batterija tiġi ssostitwita b'tip inkorrett.
·Ibdel il-batterija bl-istess tip.
ATTENZJONI
·Riskju ta' splużjoni jew tnixxija ta' likwidu jew gass fjammabbli.

·Tużahx / taħżnux / iġġibux f'ambjent ta' temperatura estremament għolja jew pressjoni estremament baxxa minħabba l-altitudni għolja ħafna.
·Tippruvax taħraq, tfarrak jew tqatta' l-batteriji użati.

⚠: See märk on ohutus-/hoiatusmärk.
·Ärge patareid alla neelake.
Keemilise põletuse oht
·See toode sisaldab mündi/nööbi tüüpi elemendiga patareid.
·Mündi/nööbi tüüpi elemendiga patarei allaneelamine võib põhjustada raskeid sisemisi põletusi juba 2 tunni jooksul ning võib lõppeda surmaga.
·Hoidke uued ja kasutatud patareid lastele kättesaamatus kohas.
·Kui patareipesa ei sulgu kindlalt, lõpetage toote kasutamine ja hoidke seda lastele kättesaamatus kohas.
·Kui te arvate, et patareid võivad olla alla neelatud või mistahes kehaossa sattunud, pöörduge viivitamatult arsti poole.
ETTEVAATUST
·Plahvatusoht vahetamisel vale tüüpi patareiga.
·Vahetage sama tüüpi patareiga.
ETTEVAATUST
·Plahvatuse või tuleohtliku vedeliku või gaasi lekke oht.

·Ärge kasutage, hoidke ega tooge keskkonda eriti kõrge temperatuuriga või eriti madala rõhuga väga suure kõrguse tõttu merepinnast.
·Ärge üritage põletada, purustada ega lõigata kasutatud patareid.

⚠ : Ez a jelzés biztonsági/figyelmeztető jelzés.
·Ne nyelje le az elemet.
Vegyi anyag okozta égésisérülés-veszély
·Ez a termék gombelemet tartalmaz.
·Amennyiben a gombelemet lenyeli, az mindössze 2 órán belül komoly belső égési sérüléseket okozhat és halálhoz vezethet.
·Az új és használt elemeket tartsa távol a gyermekektől.
·Amennyiben az elemtartó rekesz nem zárható biztonságosan, függessze fel a termék használatát és tartsa gyermekektől távol.
·Amennyiben úgy véli, hogy az elemet lenyelték vagy bármely testrészbe helyezték, haladéktalanul forduljon orvoshoz.
VIGYÁZAT
·Nem megfelelő típusú csereelem használata robbanásveszélyes.
·Az elemcseréhez azonos típusú elemet használjon.
VIGYÁZAT
·Robbanásveszély vagy gyúlékony folyadékok vagy gázok szivárgása.

·Ne használja/ne tárolja/ne helyezze szélsőségesen magas hőmérsékletű környezetbe, és ne tegye ki a nagy magasságokban kialakuló rendkívül alacsony nyomásnak.
·A használt elemet ne kísérelje meg elégetni, összezúzni vagy szétvágni.

⚠ : Toto je bezpečnostná/výstražná značka.
・Dbajte na to, aby nedošlo k prehltnutiu batérie.
Nebezpečenstvo poleptania chemikáliou
・Tento výrobok obsahuje mincovú/gombíkovú batériu.
・Ak dôjde k prehltnutiu mincovej/gombíkovej batérie, už v priebehu 2 hodín môže spôsobiť vážne vnútorné poleptanie a viesť k usmrteniu.
・Nové a použité batérie uchovávajte mimo dosahu detí.
・Ak sa priestor pre batériu nezatvorí bezpečne, prestaňte používať výrobok a uchovávajte ho mimo dosahu detí.
・Ak si myslíte, že mohlo dôjsť k prehltnutiu batérií alebo ich umiestneniu do ktorejkoľvek časti tela, okamžite vyhľadajte lekársku pomoc.
UPOZORNENIE
・Hrozí nebezpečenstvo výbuchu, ak sa batéria vymení za nesprávny typ.
・Vymeňte batériu za rovnaký typ.
UPOZORNENIE
・Nebezpečenstvo výbuchu alebo úniku horľavej kvapaliny alebo horľavého plynu.
・Nepoužívajte/neskladujte v prostredí/neprinášajte do prostredia s mimoriadne vysokou teplotou, alebo mimoriadne nízkym tlakom v dôsledku veľmi vysokej nadmorskej výšky.
・Nepokúšajte sa spáliť, rozdrviť ani rozrezať použitú batériu.

⚠ : Tento symbol je bezpečnostním/výstražným symbolem.
・Baterii nepolykejte.
Nebezpečí chemických popálenin
・Tento výrobek obsahuje mincovou/knoflíkovou baterii.
・Pokud dojde ke spolknutí mincové/knoflíkové baterie, může za pouhé 2 hodiny způsobit závažné vnitřní popáleniny a v jejich důsledku případně i smrt.
・Použité a nové baterie udržujte mimo dosah dětí.
・Pokud nelze prostor pro baterii pevně uzavřít, přestaňte výrobek používat a udržujte jej mimo dosah dětí.
・Pokud si myslíte, že mohlo dojít ke spolknutí baterie nebo jejímu vsunutí dovnitř kterékoliv části těla, okamžitě vyhledejte lékařskou pomoc.
UPOZORNĚNÍ
・Nebezpečí výbuchu v případě výměny baterie za nesprávný druh baterie.
・Proto baterii vždy vyměňte za jinou stejného typu.
UPOZORNĚNÍ
・Nebezpečí výbuchu nebo úniku hořlavé kapaliny či plynu.
・Nepoužívejte/neskladujte/nepřinášejte je do prostředí s nesmírně vysokou teplotou nebo nesmírně nízkým tlakem zapříčiněným vysokou nadmořskou výškou.
・Nesnažte se baterii spálit, rozdrtit či rozříznout.

⚠ : Ta oznaka je varnostna/opozorilna oznaka.
・Ne zaužijte baterije.
Nevarnost kemijske opekline
・Ta izdelek vsebuje gumbasto baterijo.
・Če se gumbasto baterijo zaužije, lahko to povzroči hude notranje opekline v le 2 urah in lahko vodi v smrt.
・Nove in rabljene baterije hranite izven dosega otrok.
・Če se predalček za baterijo ne zapira pravilno, prenehajte z uporabo izdelka in ga hranite izven dosega otrok.
・Če sumite, da je morda nekdo zaužil baterijo ali jo dal v kateri koli del telesa, takoj poiščite zdravniško pomoč.
POZOR
・Nevarnost eksplozije, če baterijo zamenjate z baterijo napačne vrste.
・Zamenjajte baterijo z istim tipom.
POZOR
・Tveganje za eksplozijo ali puščanje vnetljivih tekočin ali plinov.

・Ne uporabljajte/shranjujte/prinašajte v okolje izredno visoke temperature ali izredno nizkega tlaka zaradi zelo visoke nadmorske višine.
・Ne poskušajte zažigati, uničiti, ali rezati rabljene baterije.

⚠: Šis ženklas yra saugos/įspėjamasis ženklas.
・Neprarykite baterijos.
Cheminio nudegimo pavojus
・Šiame gaminyje yra monetos/sagos formos baterija.
・Prarijęs monetos/sagos formos bateriją, asmuo per 2 valandas gali patirti sunkius vidinius nudegimus ir netgi mirti.
・Naujas ir panaudotas baterijas laikykite vaikams nepasiekiamoje vietoje.
・Jei baterijų skyrelio nepavyksta tvirtai uždaryti, nebenaudokite gaminio ir laikykite jį vaikams nepasiekiamoje vietoje.
・Jei manote, kad baterijos buvo prarytos arba pateko į kūną, nedelsdami kreipkitės į gydytoją.
PERSPĖJIMAS
・Bateriją pakeitus netinkamo tipo baterija, kyla sprogimo pavojus.
・Pakeiskite seną bateriją tik to paties tipo nauja baterija.
PERSPĖJIMAS
・Sprogimo arba degių skysčių ar dujų nuotėkio pavojus.

・Negalima naudoti/laikyti/turėti labai aukštos temperatūros arba labai dideliame aukštyje esančioje itin žemo slėgio aplinkoje.
・Naudotos baterijos nebandykite deginti, ardyti ar perpjauti.

⚠ : Šī zīme ir drošības/brīdinājuma zīme.
・Nenorijiet bateriju.
Ķīmisku apdegumu briesmas
・Šis izstrādājums satur tabletes tipa bateriju.
・Ja ir norīta tabletes tipa baterija, tā 2 stundu laikā var radīt smagus apdegumus un izraisīt nāvi.
・Jaunas un lietotas baterijas uzglabājiet bērniem nepieejamā vietā.
・Ja bateriju nodalījumu nevar droši aizvērt, pārtrauciet lietot izstrādājumu un novietojiet to bērniem nepieejamā vietā.
・Ja jūsuprāt baterijas ir norītas vai ievietotas kādā ķermeņa daļā, nekavējoties vērsieties pēc medicīniskās palīdzības.
UZMANĪBU!
・Eksplozijas risks, ja baterija tiek nomainīta ar nepareiza tipa bateriju.
・Bateriju nomainiet pret tāda paša tipa bateriju.
UZMANĪBU!
・Eksplozijas vai uzliesmojoša šķidruma vai gāzes noplūdes risks.

・Nelietojiet, neuzglabājiet un neievietojiet vidē ar ļoti augstu temperatūru, kā arī vidē, kur ļoti lielā augstuma virs jūras līmeņa dēļ ir ļoti zems spiediens.
・Nemēģiniet sadedzināt, sagraut vai sagriezt nolietoto bateriju.

⚠ : ten symbol oznacza niebezpieczeństwo/ostrzeżenie.
・Nie połykać baterii.
Ryzyko oparzenia chemicznego
・Ten produkt zawiera baterię guzikową.
・Połknięta bateria guzikowa może spowodować poważne oparzenia wewnętrzne w czasie jedynie 2 godzin i prowadzić do śmierci.
・Przechowywać nowe i zużyte baterie z dala od dzieci.
・Jeśli solidne zamknięcie komory baterii jest niemożliwe, zaprzestać użytkowania produktu i przechowywać go w miejscu niedostępnym dla dzieci.
・W przypadku podejrzenia, że mogło dojść do połknięcia baterii lub ich umieszczenia w dowolnym otworze ciała, niezwłocznie uzyskać pomoc lekarską.
PRZESTROGA
・Istnieje ryzyko wybuchu, jeśli bateria zostanie zastąpiona baterią niewłaściwego typu.
・Wymieniać baterię na baterię tego samego typu.
PRZESTROGA
・Ryzyko wybuchu lub wycieku łatwopalnego płynu lub gazu.

・Nie używać i nie przechowywać w otoczeniu o skrajnie wysokiej temperaturze lub skrajnie niskim ciśnieniu wynikającym z bardzo dużej wysokości ani nie wnosić do takiego otoczenia.
・Nie podejmować prób spalenia, zgniecenia lub przecięcia zużytej baterii.

⚠ : Този знак е знак за безопасност/предупреждение.
·Не поглъщайте батерията.
Опасност от химическо изгаряне
·Този продукт съдържа плоска/бутонна батерия.
·Ако плоската/бутонна батерия бъде погълната, тя може да причини тежки вътрешни изгаряния само за 2 часа и може да доведе до смърт.
·Пазете новите и използваните батерии далеч от деца.
·Ако отделението за батериите не се затваря добре, спрете да използвате продукта и го дръжте далеч от деца.
·Ако смятате, че батериите може да са били погълнати или поставени в някоя част на тялото, незабавно потърсете медицинска помощ.
ВНИМАНИЕ
·Опасност от експлозия, ако батерията бъде сменена с неправилен тип.
·Сменете батерията със същия вид.
ВНИМАНИЕ
·Опасност от експлозия или изтичане на запалими течности или газове.

·Не използвайте/съхранявайте/носете в среда с изключително висока температура или изключително ниско налягане, причинено от голямата височина.
·Не се опитвайте да изгаряте, смачквате или режете използваната батерия.

⚠ : Acest marcaj este un marcaj de securitate/avertizare.
·Nu ingerați bateria.
Pericol de arsuri chimice
·Acest produs conține o baterie tip pastilă.
·Dacă bateria tip pastilă este înghițită, aceasta poate cauza arsuri interne grave în numai 2 ore și poate duce la deces.
·Nu lăsați bateriile noi și bateriile uzate la îndemâna copiilor.
·În cazul în care compartimentul bateriei nu se închide bine, încetați utilizarea produsului și nu îl lăsați la îndemâna copiilor.
·Dacă bănuiți că este posibil ca bateriile să fi fost înghițite sau introduse în orice parte a corpului, consultați imediat medicul.
ATENȚIE
·Risc de explozie dacă bateria este înlocuită cu un tip incorect.
·Înlocuiți bateria cu una de același tip.
ATENȚIE
·Risc de explozie sau de scurgeri de lichide sau gaze inflamabile.

·Nu utilizați/depozitați într-un mediu cu temperatură extrem de înaltă sau cu presiune extrem de joasă din cauza altitudinii foarte mari.
·Nu încercați să ardeți, să spargeți sau să tăiați bateriile uzate.

⚠ : Ova oznaka je oznaka sigurnosti/upozorenja.
·Nemojte gutati bateriju.
Opasnost od kemijskih opeklina
·Ovaj proizvod sadrži novčić/gumb bateriju.
·Ako se novčić/gumb baterija proguta, može uzrokovati ozbiljne unutarnje opekline u samo 2 sata i može dovesti do smrti.
·Držite nove i rabljene baterije izvan dohvata djece.
·Ako se pretinac za baterije ne zatvara sigurno, prestanite koristiti proizvod i držite ga dalje od djece.
·Ako smatrate da su baterije možda progutane ili smještene unutar bilo kojeg dijela tijela, zatražite hitnu medicinsku pomoć.
OPREZ
·Ako je baterija zamijenjena pogrešnim tipom, postoji rizik od eksplozije.
·Zamijenite bateriju s baterijama iste vrste.
OPREZ
·Rizik od eksplozije ili istjecanja zapaljive tekućine ili plina.

·Nemojte koristiti u /pohranjivati u /unijeti u prostoru izuzetno visoke temperature ili izuzetno niskog tlaka zbog visoke nadmorske visine.
·Ne pokušavajte spaliti, lomiti ili rezati istrošenu bateriju.

⚠ : Þetta tákn er öryggis-/aðvörunartákn.
·Gleypið ekki rafhlöðuna.
Hætta á efnabruna
·Þessi vara inniheldur flata rafhlöðu.
·Ef rafhlaðan er gleypt getur hún valdið alvarlegum innvortis bruna á innan við 2 klukkustundum sem getur leitt til dauða.
·Geymið nýjar og notaðar rafhlöður þar sem börn ná ekki til.
·Ef rafhlöðuhólfið lokast ekki örugglega skal hætta notkun vörunnar og geyma hana þar sem börn ná ekki til.
·Ef þú telur að rafhlöður hafi verið gleyptar eða settar inn í eitthvert líkamsop, skaltu hafa samband við lækni tafarlaust.
VARÚÐ
·Hætta á sprengingu ef rafhlöðunni er skipt út fyrir ranga tegund.
·Skiptið rafhlöðunni ávallt út fyrir sömu tegund.
VARÚÐ
·Hætta á sprengingu eða leka á eldfimum vökva eða lofttegundum.

·Má ekki nota/geyma/setja í umhverfi þar sem er afar hár hiti, eða afar lágur þrýstingur vegna mikillar hæðar.
·Ekki reyna að brenna, kremja eða skera notaða rafhlöðu.

⚠ : Dette merket er et sikkerhets-/advarselsmerke.
・Ikke svelg batteriet.
Kjemisk brannfare
・Dette produktet inneholder et mynt-/knappecellebatteri.
・Dersom mynt-/knappecellebatteriet svelges, kan det frembringe alvorlige indre forbrenninger i løpet av kun to timer, og kan være dødelig.
・Hold nye og brukte batterier borte fra barn.
・Lukkes ikke batterirommet sikkert må du stanse å bruke produktet og holde det utenfor barns rekkevidde.
・Oppsøk medisinsk hjelp umiddelbart hvis du tror at batterier kan være svelget eller plassert inne i kroppen.
FORSIKTIG
・Eksplosjonsfare hvis batteriet erstattes med feil type.
・Bytt batteri med samme type.
FORSIKTIG
・Fare for eksplosjon eller lekkasje av brannfarlig væske eller gass.

・Ikke bruk i/oppbevar i/ta med inn i miljø med ekstremt høy temperatur eller ekstremt lavt trykk på grunn av den svært store høyden.
・Ikke forsøk å brenne, knuse eller skjære opp et brukt batteri.

⚠ : Ova oznaka je sigurnosna/upozoravajuća oznaka.
・Nemojte gutati bateriju.
Opasnost od hemijskih opekotina
・Ovaj proizvod sadrži bateriju veličine kovanice/dugmeta.
・Ako se baterija veličine kovanice/dugmeta proguta, može izazvati ozbiljne unutrašnje opekotine za samo 2 sata i može dovjesti do smrti.
・Čuvajte nove i korišćene baterije dalje od djece.
・Ako se prostor za baterije ne zatvori dobro, prestanite sa korišćenjem proizvoda i držite ga dalje od djece.
・Ako mislite da su baterije možda progutane ili stavljene u unutrašnjost bilo kog dijela tijela, potražite hitnu medicinsku pomoć.
OPREZ
・Opasnost od eksplozije ako se baterija zamijeni s baterijom pogrešnog tipa.
・Zamijenite bateriju sa baterijom istog tipa.
OPREZ
・Opasnost od eksplozije ili curenja zapaljive tečnosti ili gasa.

・Nemojte koristiti /skladištiti /unositi u okruženje izuzetno visoke temperature ili izuzetno niskog pritiska usljed veoma velike visine.
・Ne pokušavajte da spalite, lomite ili isječete iskorišćenu bateriju.

⚠ : Kjo është shenjë sigurie/paralajmërimi.
•Mos e gëlltisni baterinë.
Rrezik djegieje kimike
•Ky produkt përmban një bateri të hollë në formë monedhe/kopse.
•Nëse bateria e hollë në formë monedhe/kopse gëlltitet, ajo mund të shkaktojë djegie të rënda të brendshme brenda vetëm 2 orëve dhe mund të sjellë vdekjen.
•Mbajini bateritë e reja dhe të përdorura larg nga fëmijët.
•Nëse foleja e baterisë nuk mbyllet mirë, ndaloni përdorimin e produktit dhe mbajeni larg nga fëmijët.
•Nëse mendoni se bateritë mund të jenë gëlltitur ose futur brenda ndonjë pjese trupi, kërkoni menjëherë vëmendjen e mjekut.
KUJDES
•Rrezik shpërthimi nëse bateria zëvendësohet me një lloj të pasaktë.
•Zëvendësojeni baterinë me të njëjtin lloj.
KUJDES
•Rrezik shpërthimi nga rrjedhja e lëngut apo gazit të ndezshëm.

•Mos e përdorni / ruani / sillni në mjedise me temperaturë jashtëzakonisht të lartë ose presion jashtëzakonisht të ulët në lartësi shumë të mëdha.
•Mos u përpiqni të digjni, shtypni ose prisni baterinë e përdorur.

⚠ : Ova oznaka je oznaka za bezbednost/upozorenje.
•Nemojte gutati bateriju.
Opasnost od hemijskih opekotina
•Ovaj proizvod sadrži bateriju u obliku novčića/dugmeta.
•Ako se baterija u obliku novčića/gumba proguta, može da izazove ozbiljne interne opekotine za samo 2 sada i može da dovede do smrti.
•Nove i korišćene baterije čuvajte van domašaja dece.
•Ako se odeljak za bateriju ne zatvori dobro, prestanite da koristite proizvod i čuvajte ga van domašaja dece.
•Ako mislite da su baterije možda progutane ili stavljene unutar bilo kog dela tela, odmah zatražite medicinsku pomoć.
OPREZ
•Rizik od eksplozije ako je baterija zamenjena nepravilnim tipom.
•Zamenite bateriju sa istim tipom.
OPREZ
•Rizik od eksplozije ili curenja zapaljive tečnosti ili gasa.

•Ne koristite/ne čuvajte/ne donosite u sredinu izuzetno visoke temperature ili izuzetno niskog pritiska usled vrlo visoke visine.
•Ne pokušavajte da zapalite, smrvite ili isečete korišćenu bateriju.

⚠ : Bu işaret bir güvenlik/uyarı işaretidir.
・Pili yutmayın.
Kimyasal Yanma Tehlikesi
・Bu üründe bir düğme pil bulunmaktadır.
・Düğme pil yutulursa, sadece 2 saat içinde ağır iç yanıklara neden olabilir ve ölüme yol açabilir.
・Yeni ve kullanılmış pilleri çocuklardan uzak tutun.
・Pil yuvası emniyetli bir şekilde kapanmıyorsa, ürünü kullanmayı bırakın ve çocuklardan uzak tutun.
・Pillerin yutulduğunu veya vücudun herhangi bir parçasının içine yerleştirildiğini düşünüyorsanız, derhal tıbbi yardım alın.
DİKKAT
・Pil yanlış tür bir pille değiştirilirse patlama riski vardır.
・Pili aynı tür pillerle değiştirin.
DİKKAT
・Patlama ya da yanıcı sıvı veya gaz sızıntısı riski vardır.

・Aşırı derecede yüksek sıcaklıktaki veya çok yüksek rakımdan dolayı aşırı derecede düşük basınca sahip ortamlarda kullanmayın /saklamayın veya bu ortamlara götürmeyin.
・Kullanılmış pili yakmaya, ezmeye veya kesmeye çalışmayın.

Справжнім TOKAI RIKA CO., LTD. заявляє, що тип радіообладнання B3N2K2R відповідає Технічному регламенту радіообладнання;
КАБІНЕТ МІНІСТРІВ УКРАЇНИ ПОСТАНОВА №.355

Повний текст декларації про відповідність доступний на веб-сайті за такою адресою:
http://www.tokai-rika.co.jp/pc

Діапазон частот : 433.050 - 434.790 MHz
Максимальна потужність радіочастотного випромінювання : 10 mW(ERP)

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

Ця позначка являє собою позначку про необхідність дотримання правил безпеки/застереження.

・Не допускайте проковтування батарейки.

Небезпека хімічного опіку

・Цей виріб містить батарейку монетного / таблеткового типу.
・Проковтування батарейки монетного / таблеткового типу може спричинити тяжкі внутрішні опіки всього лише за 2 години і може призвести до смерті.
・Зберігайте нові та використані батарейки подалі від дітей.
・Якщо кришка батарейного відсіку надійно не закривається, припиніть користуватися виробом і зберігайте його подалі від дітей.
・Якщо існує ймовірність проковтування батарейки або її розміщення всередині будь-якої частини тіла, негайно зверніться за медичною допомогою.

ОБЕРЕЖНО

・Ризик вибуху в разі заміни на батарейку неналежного типу.
・Замінюйте батарейку на батарейку такого ж самого типу.

ОБЕРЕЖНО

・Ризик вибуху або витоку горючої рідини або газу.

・Не використовуйте /не зберігайте /не розміщуйте в умовах надзвичайно високої температури або надзвичайно низького тиску через дуже велику висоту над рівнем моря.
・Не намагайтеся спалити, розбити або розрізати використану батарейку.

Prin prezenta, TOKAI RIKA CO., LTD. declară că tipul de echipamente radio B3N2K2R este în conformitate cu Reglementarea tehnică "Punerea la dispoziție pe piață a echipamentelor radio".

Textul integral al declarației de conformitate este disponibil la următoarea adresă de Internet:
http://www.tokai-rika.co.jp/pc

Banda de frecvență: 433.050 - 434.790 MHz
Puterea maximă de radiofrecvență: 10mW(ERP)

CE

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

⚠ : Acest marcaj este un marcaj de securitate/avertizare.
·Nu ingerați bateria.
Pericol de arsuri chimice
·Acest produs conține o baterie tip pastilă.
·Dacă bateria tip pastilă este înghițită, aceasta poate cauza arsuri interne grave în numai 2 ore și poate duce la deces.
·Nu lăsați bateriile noi și bateriile uzate la îndemâna copiilor.
·În cazul în care compartimentul bateriei nu se închide bine, încetați utilizarea produsului și nu îl lăsați la îndemâna copiilor.
·Dacă bănuiți că este posibil ca bateriile să fi fost înghițite sau introduse în orice parte a corpului, consultați imediat medicul.
ATENȚIE
·Risc de explozie dacă bateria este înlocuită cu un tip incorect.
·Înlocuiți bateria cu una de același tip.
ATENȚIE
·Risc de explozie sau de scurgeri de lichide sau gaze inflamabile.

·Nu utilizați/depozitați într-un mediu cu temperatură extrem de înaltă sau cu presiune extrem de joasă din cauza altitudinii foarte mari.
·Nu încercați să ardeți, să spargeți sau să tăiați bateriile uzate.

- Manufacturer:	TOKAI RIKA CO., LTD.
- Address:	3-260 Toyota, Oguchi-cho, Niwa-gun, Aichi 480-0195, Japan
- Brand:	TOKAI RIKA
- Equipment:	Electronic key
- Model:	B3N2K2R
- Rated voltage and Current type symbol:	3V DC
-Date of Production:	Shown on product

ZICTA

ZMB/ZICTA/TA/2023/7/70

B3N2K2R

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission

ICASA TA-2020/5702 APPROVED

- Manufacturer: TOKAI RIKA CO., LTD.
- Address: 3-260 Toyota, Oguchi-cho, Niwa-gun, Aichi 480-0195, Japan
- Brand: TOKAI RIKA
- Equipment: Electronic Key
- Model: B3N2K2R

TRA
REGISTERED No: ER88270/20
DEALER No: 0034092/10



SMO Samoa

Hereby, TOKAI RIKA CO., LTD. declares that the radio equipment type BF3US is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD. vakuuttaa, että radiolaitetyyppi BF3US on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
http://www.tokai-rika.co.jp/pc

Hierbij verklaar ik, TOKAI RIKA CO., LTD., dat het type radioapparatuur BF3US conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
http://www.tokai-rika.co.jp/pc

Le soussigné, TOKAI RIKA CO., LTD., déclare que l'équipement radioélectrique du type BF3US est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:
http://www.tokai-rika.co.jp/pc

Härmed försäkrar TOKAI RIKA CO., LTD. att denna typ av radioutrustning BF3US överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:
http://www.tokai-rika.co.jp/pc

Hermed erklærer TOKAI RIKA CO., LTD., at radioudstyrstypen BF3US er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.tokai-rika.co.jp/pc
Hiermit erklärt TOKAI RIKA CO., LTD., dass der Funkanlagentyp BF3US der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.tokai-rika.co.jp/pc
Με την παρούσα ο/η TOKAI RIKA CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός BF3US πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.tokai-rika.co.jp/pc
Il fabbricante, TOKAI RIKA CO., LTD., dichiara che il tipo di apparecchiatura radio BF3US è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.tokai-rika.co.jp/pc
Por la presente, TOKAI RIKA CO., LTD. declara que el tipo de equipo radioeléctrico BF3US es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.tokai-rika.co.jp/pc

O(a) abaixo assinado(a) TOKAI RIKA CO., LTD. declara que o presente tipo de equipamento de rádio BF3US está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.tokai-rika.co.jp/pc
B'dan, TOKAI RIKA CO., LTD., niddikjara li dan it-tip ta' tagħmir tar-radju BF3US huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.tokai-rika.co.jp/pc
Käesolevaga deklareerib TOKAI RIKA CO., LTD., et käesolev raadioseadme tüüp BF3US vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. igazolja, hogy a BF3US típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. týmto vyhlasuje, že rádiové zariadenie typu BF3US je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.tokai-rika.co.jp/pc

Tímto TOKAI RIKA CO., LTD. prohlašuje, že typ rádiového zařízení BF3US je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. potrjuje, da je tip radijske opreme BF3US skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.tokai-rika.co.jp/pc
Aš, TOKAI RIKA CO., LTD., patvirtinu, kad radijo įrenginių tipas BF3US atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.tokai-rika.co.jp/pc
Ar šo TOKAI RIKA CO., LTD. deklarē, ka radioiekārta BF3US atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. niniejszym oświadcza, że typ urządzenia radiowego BF3US jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD. lýsir því hér með yfir að fjarskiptatækið af gerð BF3US er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. erklærer herved at radioutstyrtypen BF3US er i samsvar med direktivet 2014/53/EU. Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet: http://www.tokai-rika.co.jp/pc
С настоящото TOKAI RIKA CO., LTD. декларира, че този тип радиосъоръжение BF3US е в съответствие с Директива 2014/53/EC. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://www.tokai-rika.co.jp/pc
Prin prezenta, TOKAI RIKA CO., LTD. declară că tipul de echipamente radio BF3US este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.tokai-rika.co.jp/pc
Ovime TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BF3US u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://www.tokai-rika.co.jp/pc

Me anë të këtij dokumenti, TOKAI RIKA CO., LTD. deklaron se tipi i radiopajisjes BF3US është në përputhje me Direktivën 2014/53/EU.

Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit:
http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD. ovime izjavljuje da je radijska oprema tipa BF3US u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:
http://www.tokai-rika.co.jp/pc

Ovim TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BF3US u skladu sa Direktivom 2014/53/EU.

Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi:
http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD., işbu belgeyle telsiz cihazı türünün BF3US 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir.

AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz:
http://www.tokai-rika.co.jp/pc

CE

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

Receiver Category (EN300 220): 2

Hereby, TOKAI RIKA CO., LTD. declares that the radio equipment type BJ2KV is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. vakuuttaa, että radiolaitetyyppi BJ2KV on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.tokai-rika.co.jp/pc
Hierbij verklaar ik, TOKAI RIKA CO., LTD., dat het type radioapparatuur BJ2KV conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.tokai-rika.co.jp/pc
Le soussigné, TOKAI RIKA CO., LTD., déclare que l'équipement radioélectrique du type BJ2KV est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.tokai-rika.co.jp/pc
Härmed försäkrar TOKAI RIKA CO., LTD. att denna typ av radioutrustning BJ2KV överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.tokai-rika.co.jp/pc

Hermed erklærer TOKAI RIKA CO., LTD., at radioudstyrstypen BJ2KV er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.tokai-rika.co.jp/pc
Hiermit erklärt TOKAI RIKA CO., LTD., dass der Funkanlagentyp BJ2KV der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.tokai-rika.co.jp/pc
Με την παρούσα ο/η TOKAI RIKA CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός BJ2KV πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.tokai-rika.co.jp/pc
Il fabbricante, TOKAI RIKA CO., LTD., dichiara che il tipo di apparecchiatura radio BJ2KV è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.tokai-rika.co.jp/pc
Por la presente, TOKAI RIKA CO., LTD. declara que el tipo de equipo radioeléctrico BJ2KV es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.tokai-rika.co.jp/pc

O(a) abaixo assinado(a) TOKAI RIKA CO., LTD. declara que o presente tipo de equipamento de rádio BJ2KV está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.tokai-rika.co.jp/pc
B'dan, TOKAI RIKA CO., LTD., niddikjara li dan it-tip ta' tagħmir tar-radju BJ2KV huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.tokai-rika.co.jp/pc
Käesolevaga deklareerib TOKAI RIKA CO., LTD., et käesolev raadioseadme tüüp BJ2KV vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. igazolja, hogy a BJ2KV típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. týmto vyhlasuje, že rádiové zariadenie typu BJ2KV je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD. lýsir því hér með yfir að fjarskiptatækið af gerð BJ2KV er í samræmi við tilskipun 2014/53/EU. Öll ESB-samræmisyfirlýsingin er tiltæk á eftirfarandi vefslóð: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. erklærer herved at radioutstyrtypen BJ2KV er i samsvar med direktivet 2014/53/EU. Hele teksten av EU-samsvarserklæringen kan leses på det følgende nettstedet: http://www.tokai-rika.co.jp/pc
С настоящото TOKAI RIKA CO., LTD. декларира, че този тип радиосъоръжение BJ2KV е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://www.tokai-rika.co.jp/pc
Prin prezenta, TOKAI RIKA CO., LTD. declară că tipul de echipamente radio BJ2KV este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.tokai-rika.co.jp/pc
Ovime TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BJ2KV u skladu sa Direktivom 2014/53/EU. Potpuni tekst EU deklaracije o usaglašenosti dostupan je na slijedećoj internet adresi: http://www.tokai-rika.co.jp/pc

Tímto TOKAI RIKA CO., LTD. prohlašuje, že typ rádiového zařízení BJ2KV je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. potrjuje, da je tip radijske opreme BJ2KV skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.tokai-rika.co.jp/pc
Aš, TOKAI RIKA CO., LTD., patvirtinu, kad radijo įrenginių tipas BJ2KV atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.tokai-rika.co.jp/pc
Ar šo TOKAI RIKA CO., LTD. deklarē, ka radioiekārta BJ2KV atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.tokai-rika.co.jp/pc
TOKAI RIKA CO., LTD. niniejszym oświadcza, że typ urządzenia radiowego BJ2KV jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.tokai-rika.co.jp/pc

Me anë të këtij dokumenti, TOKAI RIKA CO., LTD. deklaron se tipi i radiopajisjes BJ2KV është në përputhje me Direktivën 2014/53/EU.

Teksti i plotë i deklaratës së konformitetit të Bashkimit Evropian është i disponueshëm në adresën e mëposhtme të internetit:
http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD. ovime izjavljuje da je radijska oprema tipa BJ2KV u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:
http://www.tokai-rika.co.jp/pc

Ovim TOKAI RIKA CO., LTD. potvrđuje da je radio-oprema tipa BJ2KV u skladu sa Direktivom 2014/53/EU.

Potpuni tekst EU deklaracije o usaglašenosti dostupan je na sledećoj internet adresi:
http://www.tokai-rika.co.jp/pc

TOKAI RIKA CO., LTD., işbu belgeyle telsiz cihazı türünün BJ2KV 2014/53/EU nolu Direktif ile uyumlu olduğunu beyan etmektedir.

AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşabilirsiniz:
http://www.tokai-rika.co.jp/pc

CE

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

Receiver Category (EN300 220): 2

Справжнім TOKAI RIKA CO., LTD. заявляє, що тип радіообладнання BJ2KV відповідає Технічному регламенту радіообладнання;
КАБІНЕТ МІНІСТРІВ УКРАЇНИ ПОСТАНОВА №.355

Повний текст декларації про відповідність доступний на веб-сайті за такою адресою:
http://www.tokai-rika.co.jp/pc

Категорія приймача: 2

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

Prin prezenta, TOKAI RIKA CO., LTD. declară că tipul de echipamente radio BJ2KV este în conformitate cu Reglementarea tehnică "Punerea la dispoziție pe piață a echipamentelor radio".

Textul integral al declarației de conformitate este disponibil la următoarea adresă de Internet:
http://www.tokai-rika.co.jp/pc

Categoria receptorului (SM EN 300 220): 2

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

- Manufacturer:	TOKAI RIKA CO., LTD.
- Address:	3-260 Toyota, Oguchi-cho, Niwa-gun, Aichi 480-0195, Japan
- Brand:	TOKAI RIKA
- Equipment:	Receiver
- Model:	BJ2KV
- Rated voltage and Current type symbol:	12V DC
-Date of Production:	Shown on product

ZICTA

ZMB/ZICTA/TA/2023/5/27

ZICTA

ZMB/ZICTA/TA/2023/7/69

BF3US

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission

BJ2KV

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission

- Manufacturer: TOKAI RIKA CO., LTD.
- Address: 3-260 Toyota, Oguchi-cho, Niwa-gun, Aichi 480-0195, Japan
- Brand: TOKAI RIKA
- Equipment: Receiver
- Model: BJ2KV



Model: See product
Year of Approval: See product
Serial No: See product
Year of Manufacture: See product

SMO
Samoa

Millimeter wave radar sensor

Transmitter:	Model: DNMWR011 Operation frequency: 76.5 GHz Maximum output power: 676 mW or less
Manufacturer:	DENSO CORPORATION
Address:	1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan

D11 EU 01

Hereby, DENSO CORPORATION declares that the radio equipment type is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
https://www.denso.com/global/en/contact-us/doc/

EU 01

DENSO CORPORATION vakuuttaa, että radiolaitetyyppi on direktiivin 2014/53/EU mukainen.
EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
https://www.denso.com/global/en/contact-us/doc/

EU 02

Hierbij verklaar ik, DENSO CORPORATION, dat het type radioapparatuur conform is met Richtlijn 2014/53/EU.
De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
https://www.denso.com/global/en/contact-us/doc/

EU 03

Le soussigné, DENSO CORPORATION, déclare que l'équipement radioélectrique du type est conforme à la directive 2014/53/UE.
Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:
https://www.denso.com/global/en/contact-us/doc/

EU 04

Härmed försäkrar DENSO CORPORATION att denna typ av radioutrustning överensstämmer med direktiv 2014/53/EU.
Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:
https://www.denso.com/global/en/contact-us/doc/

EU 05

Hermed erklærer DENSO CORPORATION, at radioudstyrstypen er i overensstemmelse med direktiv 2014/53/EU.
EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:
https://www.denso.com/global/en/contact-us/doc/

EU 06

Hiermit erklärt DENSO CORPORATION, dass der Funkanlagentyp der Richtlinie 2014/53/EU entspricht.
Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:
https://www.denso.com/global/en/contact-us/doc/

EU 07

Με την παρούσα ο/η DENSO CORPORATION, δηλώνει ότι ο ραδιοεξοπλισμός πληροί την οδηγία 2014/53/ΕΕ.
Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:
https://www.denso.com/global/en/contact-us/doc/

EU 08

Il fabbricante, DENSO CORPORATION, dichiara che il tipo di apparecchiatura radio è conforme alla direttiva 2014/53/UE.
Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:
https://www.denso.com/global/en/contact-us/doc/

EU 09

Por la presente, DENSO CORPORATION declara que el tipo de equipo radioeléctrico es conforme con la Directiva 2014/53/UE.
El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:
https://www.denso.com/global/en/contact-us/doc/

EU 10

O(a) abaixo assinado(a) DENSO CORPORATION declara que o presente tipo de equipamento de rádio está em conformidade com a Diretiva 2014/53/UE.
O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:
https://www.denso.com/global/en/contact-us/doc/

EU 11

B'dan, DENSO CORPORATION, niddikjara li dan it-tip ta' tagħmir tar-radju huwa konformi mad-Direttiva 2014/53/UE.
It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej:
https://www.denso.com/global/en/contact-us/doc/

EU 12

Käesolevaga deklareerib DENSO CORPORATION, et käesolev raadioseadme tüüp vastab direktiivi 2014/53/EL nõuetele.
ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil:
https://www.denso.com/global/en/contact-us/doc/

EU 13

DENSO CORPORATION igazolja, hogy a típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.
Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen:
https://www.denso.com/global/en/contact-us/doc/

EU 14

DENSO CORPORATION týmto vyhlasuje, že rádiové zariadenie typu je v súlade so smernicou 2014/53/EÚ.
Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:
https://www.denso.com/global/en/contact-us/doc/

EU 15

Tímto DENSO CORPORATION prohlašuje, že typ rádiového zařízení je v souladu se směrnicí 2014/53/EU.
Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:
https://www.denso.com/global/en/contact-us/doc/

EU 16

DENSO CORPORATION potrjuje, da je tip radijske opreme skladen z Direktivo 2014/53/EU.
Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu:
https://www.denso.com/global/en/contact-us/doc/

EU 17

Aš, DENSO CORPORATION, patvirtinu, kad radijo įrenginių tipas atitinka Direktyvą 2014/53/ES.
Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu:
https://www.denso.com/global/en/contact-us/doc/

EU18

Ar šo DENSO CORPORATION deklarē, ka radioiekārta atbilst Direktīvai 2014/53/ES.
Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē:
https://www.denso.com/global/en/contact-us/doc/

EU 19

DENSO CORPORATION niniejszym oświadcza, że typ urządzenia radiowego jest zgodny z dyrektywą 2014/53/UE.
Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:
https://www.denso.com/global/en/contact-us/doc/

EU 20

Hér með lýsir DENSO CORPORATION yfir því að er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU.
Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð:
https://www.denso.com/global/en/contact-us/doc/

EU 21

DENSO CORPORATION erklærer at er i overensstemmelse med direktiv 2014/53/EU.
Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse:
https://www.denso.com/global/en/contact-us/doc/

EU 22

С настоящото DENSO CORPORATION декларира, че този тип радиосъоръжение е в съответствие с Директива 2014/53/ЕС.
Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
https://www.denso.com/global/en/contact-us/doc/

EU23

Prin prezenta, DENSO CORPORATION declară că tipul de echipamente radio este în conformitate cu Directiva 2014/53/UE.
Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:
https://www.denso.com/global/en/contact-us/doc/

EU 24

DENSO CORPORATION ovime izjavljuje da je radijska oprema tipa u skladu s Direktivom 2014/53/EU.
Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:
https://www.denso.com/global/en/contact-us/doc/

EU 25

Овиме, DENSO CORPORATION изјављује да је радио опрема тип усаглашена са Директивом 2014/53/EU.
Цео текст ЕУ декларације о усаглашености доступам је на следећој интернет адреси:
https://www.denso.com/global/en/contact-us/doc/

EU 26

Amb aquest document, DENSO CORPORATION declara que el tipus d'equipament radioelèctric es conforme a la Directiva 2014/53/UE.
El text complet de la declaració UE de conformitat està disponible en la següent adreça d'Internet:
https://www.denso.com/global/en/contact-us/doc/

EU 27

İşbu belge; DENSO CORPORATION telsiz ekipmanı tipinin 2014/53/AB sayılı Direktif'e uygun olduğunu beyan eder.
AB uygunluk beyanının tam metni aşağıdaki internet adresinde mevcuttur:
https://www.denso.com/global/en/contact-us/doc/

EU 28



UA RF: 3DENSFR11

модель: DNMWR011
смуга радіочастот: 76-77 ГГц
максимальна вихідна потужність: 676 мВт або менше
виробник: DENSO CORPORATION
адреса: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan
справжнім DENSO CORPORATION заявляє, що тип радіообладнання відповідає Технічному регламенту радіообладнання;
повний текст декларації про відповідність доступний на веб-сайті за такою адресою:
https://www.denso.com/global/en/contact-us/doc/

D11 UA 01

Transmitter:	Model: DNMWR011 Operation frequency: 76.5 GHz Maximum output power: 676 mW or less
Manufacturer:	DENSO CORPORATION
Address:	1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661 Japan

D11 EU 01

Prin prezenta, DENSO CORPORATION declară că tipul de echipamente radio este în conformitate cu Reglementarea tehnică „Punerea la dispoziție pe piață a echipamentelor radio”.
Textul integral al declarației de conformitate este disponibil la următoarea adresă de Internet:
https://www.denso.com/global/en/contact-us/doc/

MD 01



VN 03

H-24986
DENSO
DNMWR011
SERIAL No: See Product.

D11 AR 01

This product has been Type Approved by Jamaica: SMA - DNMWR011.

D11 JM 01

[Para los vehículos que se venden en Paraguay]
Nombre del proveedor en Paraguay: Toyotoshi S.A.
Dirección: Av.Mariscal Lopez 2801/2899 Asuncion, Paraguay

PY 01

FCC ID: HYQDNMWR011

D11 US 01

NOTE:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

US 01

Radiofrequency radiation exposure Information:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator (antenna) and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

US 02

გადამცემი: მოდელი: DNMWR011
მუშაობის სიხშირე: 76-77 GHz
მაქსიმალური გამომავალი სიმძლავრე: 676 mW ან ნაკლები
მწარმოებელი: DENSO CORPORATION
ათები: 1-1, Showa-cho, Kariya-shi, Aichi-ken, 448-8661, Japan

D11 GE 01

წინამდებარე დეკლარაციით, DENSO CORPORATION ვაცხადებ, რომ რადიომოწყობილობის ტიპი შეესაბამება რადიომოწყობილობის შესახებ ტექნიკური რეგლამენტის მოთხოვნებს. შესაბამისობის დეკლარაციის სრული ტექსტი ხელმისაწვდომია შემდეგ ინტერნეტმისამართზე:
https://contact-us.denso.com/form/global/en/contact-us/doc

GE 01

BSM (Blind Spot Monitor)

Radiofrequency radiation exposure Information:
This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Notice:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

C5-002

R! C-21097

C5-007

Company: TOYOTOSHI S.A
Address(Head Office) : Avenida Mariscal Lopez 2801 entre Reclus y Gomez de Castro – Asunción, Paraguay

CONATEL
NR: 2020-11-I-0870

C5-008

Manufacturer Postal Address
ADC Automotive Distance Control Systems GmbH
Peter-Dornier-Strasse 10, 88131 Lindau, Germany

C5-010

ОПРОСТЕНА ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ
С настоящото ADC Automotive Distance Control Systems GmbH декларира, че този тип радиосъоръжение SRR5-B е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
http://continental.automotive-approvals.com/

радиочестотната лента или ленти, в която или които работи радиосъоръжението:
76–77 GHz

максималната радиочестотна мощност, излъчвана в радиочестотната лента или ленти, в която или които работи радиосъоръжението.:
1.58 W (32dBm RMS EIRP)

C5-011

DECLARACIÓN UE DE CONFORMIDAD SIMPLIFICADA
Por la presente, ADC Automotive Distance Control Systems GmbH declara que el tipo de equipo radioeléctrico SRR5-B es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:
http://continental.automotive-approvals.com/

Banda o bandas de frecuencia en las que opera el equipo radioeléctrico:
76–77 GHz

Potencia máxima de radiofrecuencia transmitida en la banda o bandas de frecuencia en las que opera el equipo radioeléctrico:
1.58 W (32dBm RMS EIRP)

C5-012

ZJEDNODUŠENÉ EU PROHLÁŠENÍ O SHODĚ

Tímto ADC Automotive Distance Control Systems GmbH prohlašuje, že typ rádiového zařízení SRR5-B je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:
http://continental.automotive-approvals.com/

Kmitočtové pásmo (kmitočtová pásma), v němž (v nichž) rádiové zařízení pracuje:
76–77 GHz

Maximální radiofrekvenční výkon vysílaný v kmitočtovém pásmu (v kmitočtových pásmech), v němž (v nichž) je rádiové zařízení provozováno:
1.58 W (32dBm RMS EIRP)

C5-013

FORENKLET EU-OVERENSSTEMMELSESERKLÆRING

Hermed erklærer ADC Automotive Distance Control Systems GmbH, at radioudstyrstypen SRR5-B er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:
http://continental.automotive-approvals.com/

Frekvensbånd, som radioudstyret fungerer på:
76–77 GHz

Maksimal radiofrekvenseffekt, der udsendes i de frekvensbånd, som radioudstyret fungerer på:
1.58 W (32dBm RMS EIRP)

C5-014

VEREINFACHTE EU-KONFORMITÄTSERKLÄRUNG

Hiermit erklärt ADC Automotive Distance Control Systems GmbH, dass der Funkanlagentyp SRR5-B der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:
http://continental.automotive-approvals.com/

Das Frequenzband oder die Frequenzbänder, in dem bzw. denen die Funkanlage betrieben wird:
76–77 GHz

Die in dem Frequenzband oder den Frequenzbändern, in dem bzw. denen die Funkanlage betrieben wird, abgestrahlte maximale Sendeleistung:
1.58 W (32dBm RMS EIRP)

C5-015

LIHTSUSTATUD ELI VASTAVUSDEKLARATSIOON

Käesolevaga deklareerib ADC Automotive Distance Control Systems GmbH, et käesolev raadioseadme tüüp SRR5-B vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil:
http://continental.automotive-approvals.com/

Sagedusriba(d), millel raadioseade töötab:
76–77 GHz

Raadioseadme töösagedus(t)el edastatav maksimaalne saatevõimsus:
1.58 W (32dBm RMS EIRP)

C5-016

ΑΠΛΟΥΣΤΕΥΜΕΝΗ ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ

Με την παρούσα ο/η ADC Automotive Distance Control Systems GmbH, δηλώνει ότι ο ραδιοεξοπλισμός SRR5-B πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:
http://continental.automotive-approvals.com/

Οι ζώνες συχνοτήτων στις οποίες λειτουργεί ο ραδιοεξοπλισμός:
76–77 GHz

η μέγιστη ραδιοηλεκτρική ισχύς στις ζώνες συχνοτήτων στις οποίες λειτουργεί ο ραδιοεξοπλισμός:
1.58 W (32dBm RMS EIRP)

C5-017

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, ADC Automotive Distance Control Systems GmbH declares that the radio equipment type SRR5-B is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
http://continental.automotive-approvals.com/

Frequency band(s) in which the radio equipment operates:
76–77 GHz

Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates:
1.58 W (32dBm RMS EIRP)

C5-018

DECLARATION UE DE CONFORMITE SIMPLIFIEE

Le soussigné, ADC Automotive Distance Control Systems GmbH, déclare que l'équipement radioélectrique du type SRR5-B est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:
http://continental.automotive-approvals.com/

Bandes de fréquences utilisées par l'équipement radioélectrique:
76–77 GHz

Puissance de radiofréquence maximale transmise sur les bandes de fréquences utilisées par l'équipement radioélectrique:
1.58 W (32dBm RMS EIRP)

C5-019

POJEDNOSTAVLJENA EU IZJAVA O SUKLADNOSTI

ADC Automotive Distance Control Systems GmbH ovime izjavljuje da je radijska oprema tipa SRR5-B u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi::
http://continental.automotive-approvals.com/

Frekvencijski pojas (frekvencijski pojasi) u kojem (kojima) radijska oprema radi:
76–77 GHz

Najveća radiofrekvencijska snaga koja se prenosi u frekvencijskom pojasu (frekvencijskim pojasima) u kojem (kojima) radijska oprema radi:
1.58 W (32dBm RMS EIRP

C5-020

DICHIARAZIONE DI CONFORMITÀ UE SEMPLIFICATA

Il fabbricante, ADC Automotive Distance Control Systems GmbH, dichiara che il tipo di apparecchiatura radio SRR5-B è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:
http://continental.automotive-approvals.com/

Bande di frequenza di funzionamento dell'apparecchiatura radio:
76–77 GHz

Massima potenza a radiofrequenza trasmessa nelle bande di frequenza in cui opera l'apparecchiatura radio:
1.58 W (32dBm RMS EIRP)

C5-021

VIENKĀRŠOTA ES ATBILSTĪBAS DEKLARĀCIJA

Ar šo ADC Automotive Distance Control Systems GmbH deklarē, ka radioiekārta SRR5-B atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē:
http://continental.automotive-approvals.com/

Frekvenču joslu(-as), kurā(-ās) radioiekārtas darbojas:
76–77 GHz

Frekvenču joslā(-ās), kurā(-ās) darbojas radioiekārtas, maksimālo pārraidītā signāla jaudu.:
1.58 W (32dBm RMS EIRP)

C5-022

SUPAPRASTINTA ES ATITIKTIES DEKLARACIJA
Aš, ADC Automotive Distance Control Systems GmbH, patvirtinu, kad radijo įrenginių tipas SRR5-B atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu:
http://continental.automotive-approvals.com/

Dažnių juosta (-os), kurioje (-iose) veikia radijo įrenginiai:
76–77 GHz

Didžiausia radijo dažnių galia, perduodama toje (tose) dažnių juostoje (-ose), kurioje (-iose) veikia radijo įrenginiai:
1.58 W (32dBm RMS EIRP)

C5-023

EGYSZERŰSÍTETT EU-MEGFELELŐSÉGI NYILATKOZAT
ADC Automotive Distance Control Systems GmbH igazolja, hogy a SRR5-B típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen::
http://continental.automotive-approvals.com/

Az(ok) a frekvenciasáv(ok), amely(ek)en a rádióberendezés működik:
76–77 GHz

Az abban a frekvenciasávban vagy azokban a frekvenciasávokban továbbított maximális jelerősség, amely(ek)ben a rádióberendezés üzemel:
1.58 W (32dBm RMS EIRP)

C5-024

DIKJARAZZJONI SSIMPLIFIKATA TA' KONFORMITÀ TAL-UE
B'dan, ADC Automotive Distance Control Systems GmbH, niddikjara li dan it-tip ta' tagħmir tar-radju SRR5-B huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej:
http://continental.automotive-approvals.com/

Il-medda/meded tal-frekwenza li jaħdem fihom it-tagħmir tar-radju:
76–77 GHz

Il-potenza massima tal-frekwenza tar-radju trażmessa fil-medda/meded tal-frekwenza li jaħdem fihom it-tagħmir tar- radju:
1.58 W (32dBm RMS EIRP)

C5-025

VEREENVOUDIGDE EU-CONFORMITEITSVERKLARING
Hierbij verklaar ik, ADC Automotive Distance Control Systems GmbH, dat het type radioapparatuur SRR5-B conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
http://continental.automotive-approvals.com/

Frequentieband(en) waarin de radioapparatuur functioneert:
76–77 GHz

Maximaal radiofrequent vermogen uitgezonden in de frequentieband(en) waarin de radioapparatuur functioneert:
1.58 W (32dBm RMS EIRP)

C5-026

UPROSZCZONA DEKLARACJA ZGODNOŚCI UE

ADC Automotive Distance Control Systems GmbH niniejszym oświadcza, że typ urządzenia radiowego SRR5-B jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:
http://continental.automotive-approvals.com/

Zakresu(-ów) częstotliwości, w którym (których) pracuje urządzenie radiowe:
76–77 GHz

Maksymalnej mocy częstotliwości radiowej emitowanej w zakresie(-ach) częstotliwości, w którym (których) pracuje urządzenie radiowe:
1.58 W (32dBm RMS EIRP)

C5-027

DECLARAÇÃO UE DE CONFORMIDADE SIMPLIFICADA

O(a) abaixo assinado(a) ADC Automotive Distance Control Systems GmbH declara que o presente tipo de equipamento de rádio SRR5-B está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:
http://continental.automotive-approvals.com/

A(s) banda(s) de frequências em que o equipamento de rádio funciona:
76–77 GHz

A potência máxima de radiofrequências transmitida na(s) banda(s) de frequências em que o equipamento de rádio funciona:
1.58 W (32dBm RMS EIRP)

C5-028

DECLARAȚIA UE DE CONFORMITATE SIMPLIFICATĂ

Prin prezenta, ADC Automotive Distance Control Systems GmbH declară că tipul de echipamente radio SRR5-B este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:
http://continental.automotive-approvals.com/

Banda (benzile) de frecvențe în care funcționează echipamentul radio:
76–77 GHz

Puterea maximă de radiofrecvență transmisă în banda (benzile) de frecvențe în care funcționează echipamentul radio:
1.58 W (32dBm RMS EIRP)

C5-029

ZJEDNODUŠENÉ EÚ VYHLÁSENIE O ZHODE

ADC Automotive Distance Control Systems GmbH týmto vyhlasuje, že rádiové zariadenie typu SRR5-B je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:
http://continental.automotive-approvals.com/

Frekvenčné pásmo resp. pásma, v ktorých rádiové zariadenie pracuje:
76–77 GHz

Maximálny vysokofrekvenčný výkon prenášaný vo frekvenčnom pásme, resp. pásmach, v ktorých rádiové zariadenie pracuje:
1.58 W (32dBm RMS EIRP)

C5-030

POENOSTAVLJENA IZJAVA EU O SKLADNOSTI
ADC Automotive Distance Control Systems GmbH potrjuje, da je tip radijske opreme SRR5-B skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu:
http://continental.automotive-approvals.com/

Frekvenčni pas ali pasovi, na katerih deluje radijska oprema:
76–77 GHz

Največja energija za radijsko frekvenco, preneseno po frekvenčnem pasu ali pasovih, na katerih radijska oprema deluje:
1.58 W (32dBm RMS EIRP)

C5-031

YKSINKERTAISTETTU EU-VAATIMUSTENMUKAISUUSVAKUUTUS
ADC Automotive Distance Control Systems GmbH vakuuttaa, että radiolaitetyyppi SRR5-B on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
http://continental.automotive-approvals.com/

Radiotaajuudet, joilla radiolaite toimii:
76–77 GHz

Suurin mahdollinen lähetysteho radiotaajuuksilla, joilla radiolaite toimii:
1.58 W (32dBm RMS EIRP)

C5-032

FÖRENKLAD EU-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE

Härmed försäkrar ADC Automotive Distance Control Systems GmbH att denna typ av radioutrustning SRR5-B överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:
http://continental.automotive-approvals.com/

Det eller de frekvensband där radioutrustningen arbetar:
76–77 GHz

Den maximala radiofrekvenseffekt som överförs inom det eller de frekvensband där radioutrustningen arbetar:
1.58 W (32dBm RMS EIRP)

C5-033

EINFÖLDUÐ ESB SAMRÆMISYFIRLÝSING

Hér með lýsir ADC Automotive Distance Control Systems GmbH því yfir, að fjSRRkiptabúnaðurinn að gerð SRR5-B er í samræmi við tilskipun 2014/53/ ESB. Textinn í fullri lengd um Samræmisyfirlýsingu ESB er aðgengilegur á eftirfarandi veffangi:
http://continental.automotive-approvals.com/

Bandbreidd(ir), sem fjSRRkiptabúnaðurinn starfar í:
76–77 GHz

Hámarks fjSRRkiptatíðni sendistyrkleika í bandbreiddinni/bandbreiddunum sem fjSRRkiptabúnaðurinn starfar í:
1.58 W (32dBm RMS EIRP)

C5-034

BASİTLEŞTİRİLMİŞ AB UYGUNLUK BEYANI

Işbu belge ile, ADC Automotive Distance Control Systems GmbH şirketi SRR5-B tipi radyo ekipmanının 2014/53/AB sayılı direktife uygun olduğunu beyan eder. AB uygunluk beyanının tam metni aşağıdaki İnternet adresinde mevcuttur:
http://continental.automotive-approvals.com/

Radyo cihazının çalıştığı frekans bandı/bantları:
76–77 GHz

Radyo ekipmanının çalıştığı frekans bandında/bantlarında iletilen maksimum radyo frekansı gücü: 1.58 W (32dBm RMS EIRP)

C5-035

DEKLARATA E THJESHTUAR E KONFORMITETIT E BE-SË

Nëpërmjet këtij dokumenti, "ADC Automotive Distance Control Systems GmbH" deklaron se radiopajisja e llojit SRR5-B është në pajtim me direktivën 2014/53/BE. Teksti i plotë i deklaratës së konformitetit të BE-së disponohet në adresën e mëposhtme të internetit:
http://continental.automotive-approvals.com/

Brezat e frekuencës në të cilat punon radiopajisja:
76–77 GHz

Fuqia maksimale e radiofrekuencës e transmetuar në brezat e frekuencës në të cilat punon radiopajisja:
1.58W (32dBm RMS EIRP)

C5-036

POJEDNOSTAVLJENA EU IZJAVA O USKLAĐENOSTI
Ovim putem kompanija ADC Automotive Distance Control Systems GmbH potvrđuje da je tip radio opreme SRR5-B u skladu s Direktivom 2014/53/EU. Cjelokupni tekst EU izjave o usklađenosti je dostupan na sljedećoj web adresi:
http://continental.automotive-approvals.com/

Frekvencijski pojasevi na kojima funkcionira radio oprema:
76–77 GHz

Maksimalna snaga radiofrekvencije koja se prenosi putem frekvencijskih pojaseva na kojima funkcionira radio oprema:
1.58W (32dBm RMS EIRP)

C5-037

ПОЕДНОСТАВЕНА ДЕКЛАРАЦИЈА ЗА СООБРАЗНОСТ НА ЕУ
ADC Automotive Distance Control Systems GmbH изјавува дека радио опремата од типот SRR5-B е во сообразност со Директивата 2014/53/ЕУ. Целосниот текст на Декларацијата за сообразност на ЕУ е достапен на следната интернет-адреса:
http://continental.automotive-approvals.com/

Фреквентно поле(иња) во кои радио опремата функционира:
76–77 GHz

Максимална моќност на радиофреквенција која се пренесува во фреквентното поле(иња) во кои радио опремата функционира:
1.58W (32dBm RMS EIRP)

C5-038

СПРОЩЕНА ДЕКЛАРАЦІЯ про відповідність
справжнім (найменування виробника ADC Automotive Distance Control Systems GmbH) заявляє, що тип радіообладнання (позначення типу радіообладнання SRR5-B) відповідає Технічному регламенту радіообладнання;
повний текст декларації про відповідність доступний на веб-сайті за такою адресою: http://continental.automotive-approvals.com/

найменування та адресу виробника
АДС Автомотів Дістанс Контрол Сістемс ГмбХ
Пітер-Дорніер-Штрассе 10, 88131, Ліндау, Німеччина
(ADC Automotive Distance Control Systems GmbH
Peter-Dornier-Strasse 10, 88131, Lindau, Germany)

СПРОЩЕНА ДЕКЛАРАЦІЯ ЄС ПРО ВІДПОВІДНІСТЬ
Цим ADC Automotive Distance Control Systems GmbH заявляє, що радіообладнання типу SRR5-B відповідає вимогам Директиви 2014/53/EU. Повний текст декларації ЄС про відповідність доступний за наступною адресою в мережі Інтернет:
http://continental.automotive-approvals.com/
Частотний діапазон(-и), в якому працює радіообладнання:
76–77 ГГц
Максимальна потужність радіочастотного сигналу, що передається у частотному діапазоні(-ах), в якому працює радіообладнання:
1.58 Вт (32 дБм середньоквадратична ефективна потужність випромінювання)

SRR5-B has been registered with: UA RF: 1CONT 0011 C5-039

Adresa poştală a producătorului
ADC Automotive Distance Control Systems GmbH
Peter-DornierStrasse 10, 88131 Lindau, Germania

Declaraţia de conformitate simplificată
Prin prezenta, ADC Automotive Distance Control Systems GmbH declară că tipul de echipamente radio SRR5-B este în conformitate cu Reglementarea tehnică „Punerea la dispoziție pe piață a echipamentelor radio". Textul integral al declarației de conformitate este disponibil la următoarea adresă de Internet:
http://continental.automotive-approvals.com/

Banda (benzile) de frecvențe în care funcționează echipamentul radio: 76-77 GHz

Puterea maximă de radiofrecvență transmisă în banda (benzile) de frecvențe în care funcționează echipamentul radio: 1.58 W (32dBm RMS EIRP)

C5-042



C5-043

Name and address of the manufacturer
ADC Automotive Distance Control Systems GmbH
Peter-Dornier-Strasse 10, 88131 Lindau, Germany

Brand, Model, Type and Commercial name
Continental, SRR5-B, Short Range Radar

C5-046



C5-049



C5-053



Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya

C5-056

AGREE PAR ARTP SENEGAL
Numéro d'agrément: 072194/AG/ER

C5-061

ევროკავშირის შესაბამისობის გამარტივებული დეკლარაცია
ამით, ADC Automotive Distance Control Systems GmbH აცხადებს, რომ SRR5-B ტიპის რადიომოწყობილობა შეესაბამება 2014/53/EU დირექტივას. ევროკავშირის შესაბამისობის დეკლარაციის სრული ტექსტი ხელმისაწვდომია შემდეგ ინტერნეტმისამართზე:
http://continental.automotive-approvals.com/

სიხშირის დიაპაზონ(ებ)ი, რომელშიც/რომლებშიც რადიომოწყობილობა მუშაობს:
76–77 გჰც

რადიოსიხშირის მაქსიმალური სიმძლავრე, გადაცემული სიხშირის დიაპაზონ(ებ)ში, რომელშიც/რომლებშიც რადიომოწყობილობა მუშაობს:
1.58 ვტ (32 დბმვ RMS EIRP)

C5-039

Toyota parking assist-sensor

Product name : Intuitive parking assist
Compliance statement : This device complies with part 18 of the FCC Rules.
Responsible Party : DENSO International America, Inc.
24777 Denso Drive, Southfield Michigan 48033 U.S.A.
https://www.denso.com/us-ca/en/about-us/company-information/us/diam/

Wireless charger

FCC ID : ACJ932AT2001

NOTE:
This device complies with part 15 and part 18 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC CAUTION
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.This equipment has been tested and found to comply with the limits for a wireless power charger, pursuant to part 18 of the FCC Rules.This equipment generates, uses and can radiate radio frequency energy and,
if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.If this equipment does cause harmful interference to radio communications,which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following
measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person s body.

R! H-29156

Manufacturer
・Name：Panasonic Automotive Systems Co., Ltd.
・Address：4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Specifications of Wireless charger
Frequency band：120.3-128.549kHz
Maximum radio-frequency power： 10W Max

Model No.[＊]
CA-QT3BJ0AJ

CE

Hereby, Panasonic Automotive Systems Co., Ltd. declares that the radio equipment type [*] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.ptc.panasonic.eu/
С настоящото Panasonic Automotive Systems Co., Ltd. декларира, че този тип радиосъоръжение [*] е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.ptc.panasonic.eu/
Tímto Panasonic Automotive Systems Co., Ltd. prohlašuje, že typ rádiového zařízení [*] je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.ptc.panasonic.eu/
Hermed erklærer Panasonic Automotive Systems Co., Ltd. , at radioudstyrstypen [*] er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.ptc.panasonic.eu/
Hiermit erklärt Panasonic Automotive Systems Co., Ltd. , dass der Funkanlagentyp [*] der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.ptc.panasonic.eu/
Käesolevaga deklareerib Panasonic Automotive Systems Co., Ltd. , et käesolev raadioseadme tüüp [*] vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://www.ptc.panasonic.eu/
Με την παρούσα ο/η Panasonic Automotive Systems Co., Ltd. , δηλώνει ότι ο ραδιοεξοπλισμός [*] πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.ptc.panasonic.eu/
Por la presente, Panasonic Automotive Systems Co., Ltd. declara que el tipo de equipo radioeléctrico [*] es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.ptc.panasonic.eu/

Le soussigné, Panasonic Automotive Systems Co., Ltd. déclare que l'équipement radioélectrique du type [*] est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.ptc.panasonic.eu/
Il fabbricante, Panasonic Automotive Systems Co., Ltd. , dichiara che il tipo di apparecchiatura radio [*] è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.ptc.panasonic.eu/
Ar šo Panasonic Automotive Systems Co., Ltd. deklarē, ka radioiekārta [*] atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.ptc.panasonic.eu/
Aš, Panasonic Automotive Systems Co., Ltd. , patvirtinu, kad radijo įrenginių tipas [*] atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.ptc.panasonic.eu/
Panasonic Automotive Systems Co., Ltd. ovime izjavljuje da je radijska oprema tipa [*] u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://www.ptc.panasonic.eu/
Panasonic Automotive Systems Co., Ltd. igazolja, hogy a [*] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://www.ptc.panasonic.eu/
B'dan, Panasonic Automotive Systems Co., Ltd. , niddikjara li dan it-tip ta' tagħmir tar-radju [*] huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.ptc.panasonic.eu/
Hierbij verklaar ik, Panasonic Automotive Systems Co., Ltd. , dat het type radioapparatuur [*] conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://www.ptc.panasonic.eu/

Panasonic Automotive Systems Co., Ltd. niniejszym oświadcza, że typ urządzenia radiowego [*] jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.ptc.panasonic.eu/
O(a) abaixo assinado(a) Panasonic Automotive Systems Co., Ltd. declara que o presente tipo de equipamento de rádio [*] está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://www.ptc.panasonic.eu/
Prin prezenta, Panasonic Automotive Systems Co., Ltd. declară că tipul de echipamente radio [*] este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.ptc.panasonic.eu/
Panasonic Automotive Systems Co., Ltd. týmto vyhlasuje, že rádiové zariadenie typu [*] je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.ptc.panasonic.eu/
Panasonic Automotive Systems Co., Ltd. potrjuje, da je tip radijske opreme [*] skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.ptc.panasonic.eu/
Panasonic Automotive Systems Co., Ltd. vakuuttaa, että radiolaitetyyppi [*] on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://www.ptc.panasonic.eu/
Härmed försäkrar Panasonic Automotive Systems Co., Ltd. att denna typ av radioutrustning [*] överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.ptc.panasonic.eu/

Бездротовий зарядний пристрій
смугу радіочастот, в якій працює радіообладнання; 120.3-128.549kHz
максимальну потужність випромінювання в смузі радіочастот, в якій працює радіообладнання; 10W

моделі №.[*]
AT2001

справжнім Panasonic Automotive Systems Co., Ltd. заявляє,
що тип радіообладнання [*] відповідає Технічному регламенту радіообладнання;
повний текст декларації про відповідність доступний на
веб-сайті за такою адресою:
https://service.panasonic.ua/
(розділ «Технічне регулювання»)

Producător
Nume : Panasonic Automotive Systems Co., Ltd.
Adresa : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

încărcător wireless
Banda de frecvență : 120.3-128.549kHz
Puterea maximă a frecvenței radio : 10W Max

Numarul modelului.[*]
CA-QT3BJ0AJ

CE

Prin prezenta, Panasonic Automotive Systems Co., Ltd. declară că tipul de echipamente radio [*] este în conformitate cu Reglementarea tehnică „Punerea la dispoziție pe piață a echipamentelor radio”.
Textul integral al declarației de conformitate este disponibil la următoarea adresă de Internet:https://service.panasonic.ua

CE

Le soussigné, Panasonic Automotive Systems Co., Ltd. , déclare que l'équipement radioélectrique du type [*] est conforme à la directive 2014/53/UE.
Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.ptc.panasonic.eu/

Model No.[*]
CA-QT3BJ0AJ

SMO amoa

[Para los vehículos que se venden en Paraguay]
Toyotoshi S.A.
Avda. Mariscal López 2801/99 y Reclus. Asunción – Paraguay.

TDRA

ER18010/23
UAE

Tire pressure warning system

FCC ID: PAXPMVE000

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC ID: PAXPMVE100

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

・Manufacturer's name: PACIFIC INDUSTRIAL CO., LTD.

・Registered trademark: PACIFIC

This trademark is registered in the following countries:
UK, Italy, Austria, Greece, Germany, France, Belgium,
the Netherlands, Luxembourg, Portugal.

・Manufacturer's address:
1300-1 Yokoi, Godo-cho, Anpachi-gun, Gifu, 503-2397 JAPAN

・Operating frequency band: 433.05 — 434.79MHz

・Maximum radio-frequency power: 100dBμV/m@3m(Radiated)

Hereby, PACIFIC INDUSTRIAL CO., LTD. declares that the radio equipment type PMV-E100 is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO., LTD. vakuuttaa, että radiolaitetyyppi PMV-E100 on direktiivin 2014/53/EU mukainen.
EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:
https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Hierbij verklaar ik, PACIFIC INDUSTRIAL CO., LTD., dat het type radioapparatuur PMV-E100 conform is met Richtlijn 2014/53/EU.
De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:
https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Le soussigné, PACIFIC INDUSTRIAL CO., LTD., déclare que l'équipement radioélectrique du type PMV-E100 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Härmed försäkrar PACIFIC INDUSTRIAL CO., LTD. att denna typ av radioutrustning PMV-E100 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hermed erklærer PACIFIC INDUSTRIAL CO., LTD., at radioudstyrstypen PMV-E100 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hiermit erklärt PACIFIC INDUSTRIAL CO., LTD., dass der Funkanlagentyp PMV-E100 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Με την παρούσα ο/η PACIFIC INDUSTRIAL CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός PMV-E100 πληροί την οδηγία 2014/53/ΕΕ.Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Il fabbricante, PACIFIC INDUSTRIAL CO., LTD., dichiara che il tipo di apparecchiatura radio PMV-E100 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Por la presente, PACIFIC INDUSTRIAL CO., LTD. declara que el tipo de equipo radioeléctrico PMV-E100 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
O(a) abaixo assinado(a) PACIFIC INDUSTRIAL CO., LTD. declara que o presente tipo de equipamento de rádio PMV-E100 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponí vel no seguinte endereço de Internet: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
B'dan, PACIFIC INDUSTRIAL CO., LTD., niddikjara li dan it-tip ta' tagħmir tar-radju PMV-E100 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Käesolevaga deklareerib PACIFIC INDUSTRIAL CO., LTD., et käesolev raadioseadme tüüp PMV-E100 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav jä rgmisel internetiaadressil: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

PACIFIC INDUSTRIAL CO., LTD. igazolja, hogy a PMV-E100 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a kö vetkező internetes címen: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO., LTD. týmto vyhlasuje, že rádiové zariadenie typu PMV-E100 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Tímto PACIFIC INDUSTRIAL CO., LTD. prohlašuje, že typ rá diového zařízení PMV-E100 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO., LTD. potrjuje, da je tip radijske opreme PMV-E100 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Aš, PACIFIC INDUSTRIAL CO., LTD., patvirtinu, kad radijo į renginių tipas PMV-E100 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Ar šo PACIFIC INDUSTRIAL CO., LTD. deklarē, ka radioiekārta PMV-E100 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO., LTD. niniejszym oświadcza, że typ urządzenia radiowego PMV-E100 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Hér með lýsir PACIFIC INDUSTRIAL CO., LTD. yfir því að PMV-E100 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU. Samræmisyfirlýsing er einnig aðgengileg á eftirfarandi vefslóð: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO., LTD. erklærer at PMV-E100 er i overensstemmelse med direktiv 2014/53/EU. Samsvarserklæringen i fulltekst er tilgjengelig på følgende internettadresse: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
С настоящото PACIFIC INDUSTRIAL CO., LTD. декларира, че този тип радиосъоръжение PMV-E100 е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

Prin prezenta, PACIFIC INDUSTRIAL CO., LTD. declară că tipul de echipamente radio PMV-E100 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
U ovom dokumentu, PACIFIC INDUSTRIAL CO., LTD. deklariše da je radio oprema model PMV-E100 usklađena sa Directive 2014/53/EU. Cio tekst EU deklaracije usklađenosti dostupan je na slijedećoj interent adresi: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Овим, PACIFIC INDUSTRIAL CO., LTD. изјављује да је радио опрема типа PMV-E100 усклађена са Directive 2014/53/EU. Комплетан текст декларације ЕУ за усаглашеност доступан је на следећој веб адреси: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
PACIFIC INDUSTRIAL CO., LTD. ovime izjavljuje da je radijska oprema tipa PMV-E100 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedeć oj internetskoj adresi: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/
Këtu, PACIFIC INDUSTRIAL CO., LTD. deklaron se pajisja radio PMV-E100 është në përputhje me Directive 2014/53/EU. Teksti i plotë i deklaratës së konformitetit të BE-së gjendet në adresën e mëposhtme të internetit: https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/

İşbu belge; PACIFIC INDUSTRIAL CO., LTD. telsiz ekipmanı tipinin PMV-E100 2014/53/AB sayılı Direktif' e uygun olduğ unu beyan eder.
AB uygunluk beyanının tam metni aşağıdaki internet adresinde mevcuttur:
https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/etc/

Prin prezenta, PACIFIC INDUSTRIAL CO., LTD. declară că tipul de echipamente radio PMV-E100 este în conformitate cu Reglementarea Tehnică "Punerea la dispoziție pe piață a echipamentelor radio", aprobată prin HG nr. 34 din 30.01.2019.
Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:
https://www.pacific-ind.co.jp/eng/products/car/tpms/doc/etc/

- Модель: PMV-E100
- Виробник: Pacific Industrial Co., Ltd.

- Найменування та адреса виробника або його уповноваженого представника

  Pacific Industrial Co., Ltd.
  1300-1 Yokoi, Godo-cho, Anpachi-Gun, Gifu-Pref., 503-2397
  Japan/Японія.

- Діапазон частот, МГц: 433,05 – 434,79
- Максимальна вихідна потужність передавача, мВт (дБм): 1,0 (0);

- Справжнім Pacific Industrial Co., Ltd. заявляє, що радіопередавач системи контролю тиску та температури в шинах автомобіля відповідає Технічному регламенту радіообладнання; повний текст декларації про відповідність доступний на веб-сайті за такою адресою:
https://www.pacific-ind.co.jp//eng/products/car/tpms/doc/ukr/

Approval Number: T-789/19

94037/SDPPI/2023
10202

91030/SDPPI/2023
10202

Approved by PTA (2019)

PTA

Pakistan
Telecommunication
Authority

TAC NO: 9.9406/2019

TRA
REGISTERED No:
ER58534/17
DEALER No:
DA0063612/11

Tire Pressure Monitoring System Transmitter
Model: PMV-E100
Manufacture: Pacific Industrial Co., Ltd.
Address: 1300-1 Yokoi, Godo-cho, Anpachi-gun, Gifu,
503-2397 Japan

CNC COMISIÓN NACIONAL DE COMUNICACIONES
H-22736

This product has been Type Approved
by Jamaica: SMA-PMV-E100.

CONATEL
NR: 2019-03-I-000183

Name and Address of local dealer
Toyotoshi S.A.
Av. Mariscal López esq. Victor
Cáceres, San Lorenzo,Central,
Paraguay

CONATEL
NR: 2019-03-I-000184

Name and Address of local dealer
Toyotoshi S.A.
Av. Mariscal López esq. Victor Cáceres,
San Lorenzo,Central, Paraguay

NCA APPROVED: BR3-1M-GE2-14F

Approval number: 18/034/AGR/GF/DG
TPMS transmitter

ZICTA
ZMB/ZICTA/TA/2018/11/36

1. Approval Number: 002/MCPT/DDTIC
2. Year of Approval: 2019
3. Model: PMV-E100

Model: PMV-E100
Connection and use of this communications Equipment is permitted by the Nigerian Communications Commission.

1. Approval Number: 085/ARCEP/DG/19
2. Date of Issue: 17/01/2019
3. Model: PMV-E100
4. Manufacturer: Pacific Industrial Co., Ltd.
5. Equipment is not intended to be connected to a public network.

TPMS (Tire Pressure Monitoring System) Transmitter conforms to the requirement of ICASA.

ICASA TA-2017/1953 APPROVED

AGREE PAR L'ARE MAURITANIE
Numéro d'agrément :0549/ARE/2018
Date d'agrément :29/08/2018

1. Approval Number : 9/R/IMS/2018
2. Brand Name : Pacific Industrial Co., Ltd.
3. Model : PMV-E100

Jack

Declaration of Conformity

Manufacturer : OKAYA&CO.,LTD/TAKEUCHI INDUSTRIAL CO.,LTD

EU Representative
The EU Directives covered by this Declaration
2006/42/EC Machinery Safety Directive

UK Representative
The UK Directives covered by this Declaration
Supply of Machinery (Safety) Regulations 2008

The product covered by the declaration
Model : Ordinary Type Jack

The basis on which conformity is being declared
The product identified above comply with the Machinery Safety Directive, Supply of Machinery (Safety) Regulations by meeting the following standards.

ISO9001/JIS D 8103

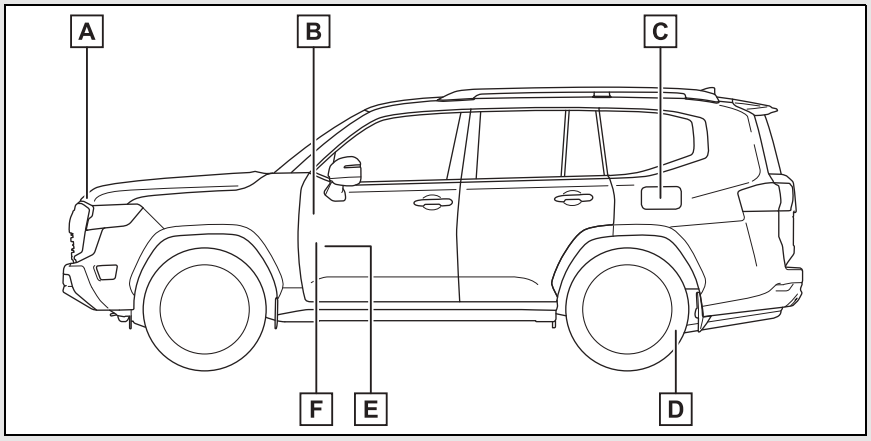
The technical documentation required to demonstrate that the product meets the requirements of Machinery Safety Directive and Supply of Machinery (Safety) Regulations has been complied by the signatory below and is available for inspection by the relevant enforcement authorities.
A sample of the product has been tested by the manufacture.

Technical File No: YH21013/YH20021/NMH20010/YH21020/HH22005/GH001
The CE mark was first applied in 2010
The UKCA mark was first applied in 2021
Done at Jun. 8. 2022

OKAYA&CO.,LTD.
Hiroaki Sato

TAKEUCHI INDUSTRIAL CO.,LTD.
Kenta Hashimoto

GAS STATION INFORMATION



A Auxiliary catch lever (→P.579)

B Power back door switch* (→P.182)

C Fuel filler door (include AdBlue™ tank cap*) (→P.304)

D Tire inflation pressure (→P.696)

E Fuel filler door opener (→P.304)

F Hood lock release lever (→P.579)

*: If equipped

Fuel tank capacity (Reference)	Vehicles without sub fuel tank system	80 L (21.1 gal., 17.6 Imp.gal.)
	Vehicles with sub fuel tank system	110 L (29.1 gal., 24.2 Imp.gal.)
AdBlue™ tank capacity		P.598
Fuel type		P.685
Cold tire inflation pressure		P.696
Engine oil capacity (Drain and refill — reference)		P.687
Engine oil type		P.687