

Owner's Manual

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

FJ CRUISER



タW-4

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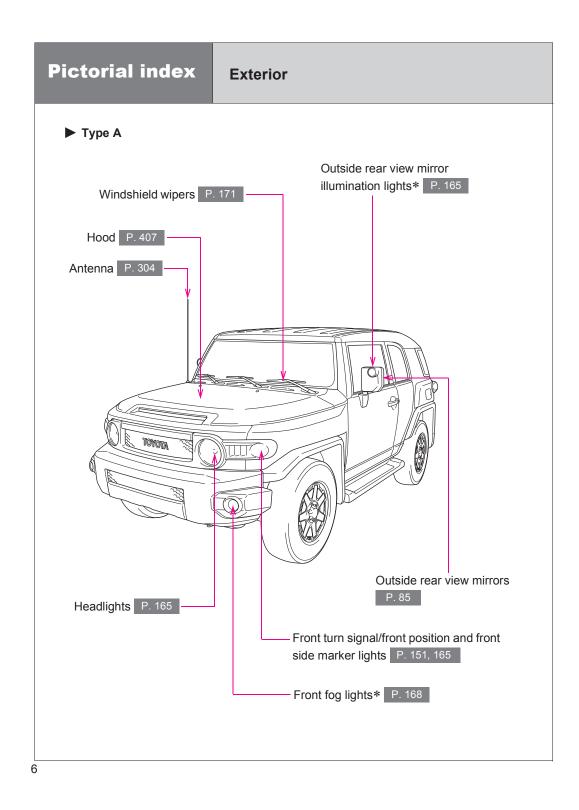
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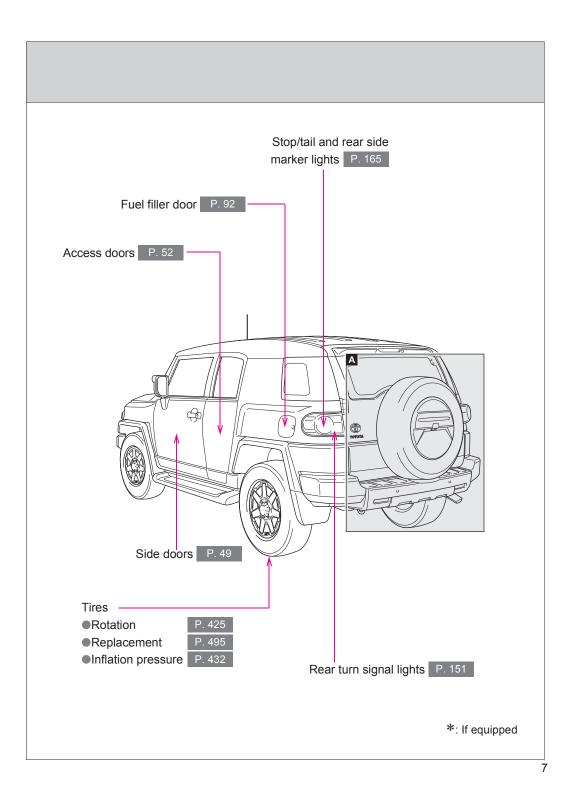
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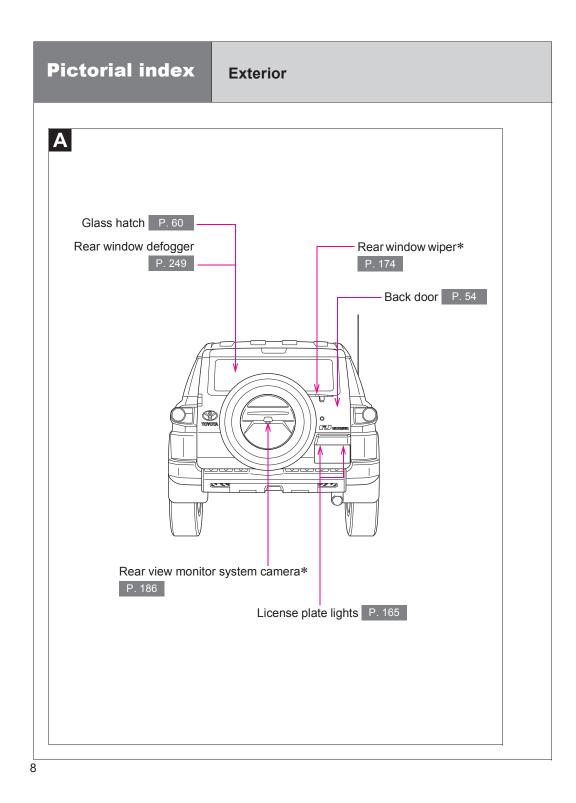
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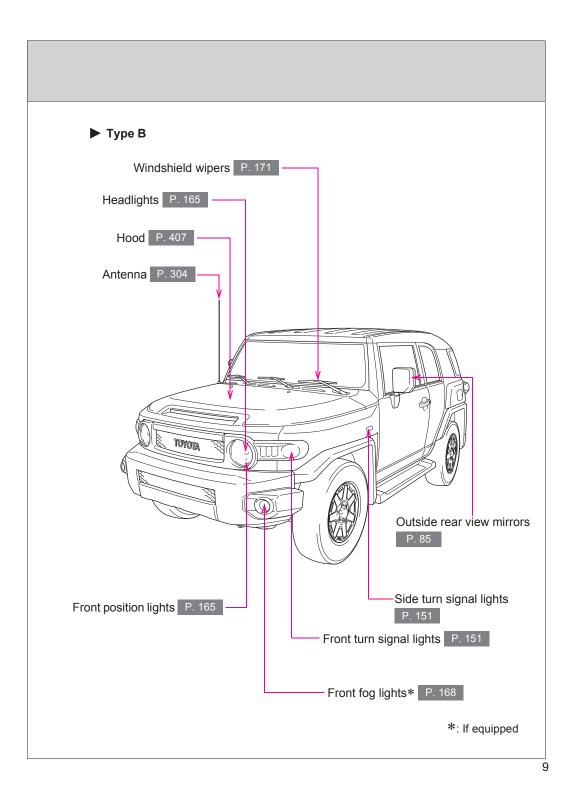


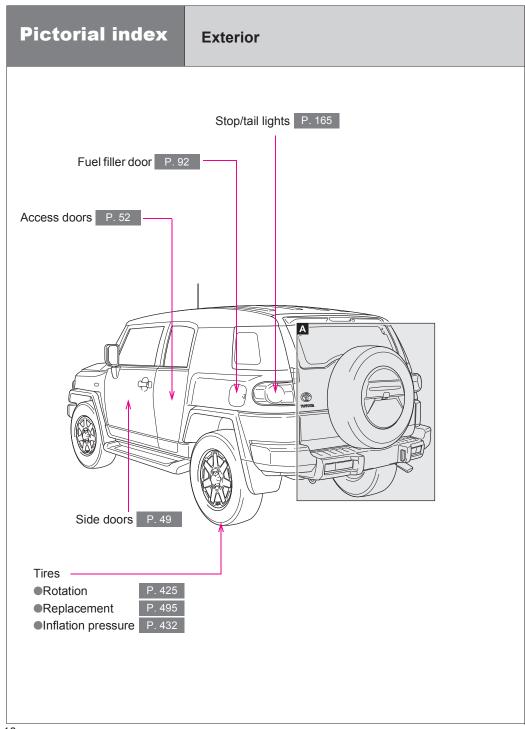
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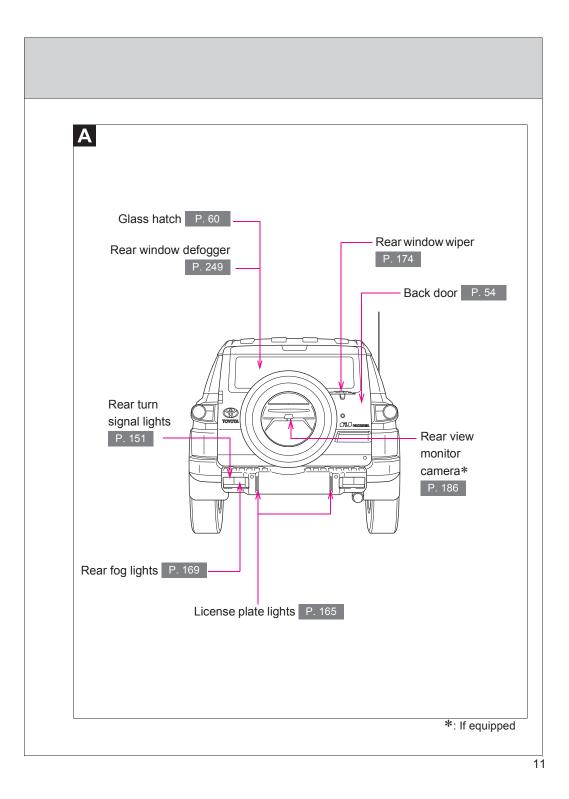


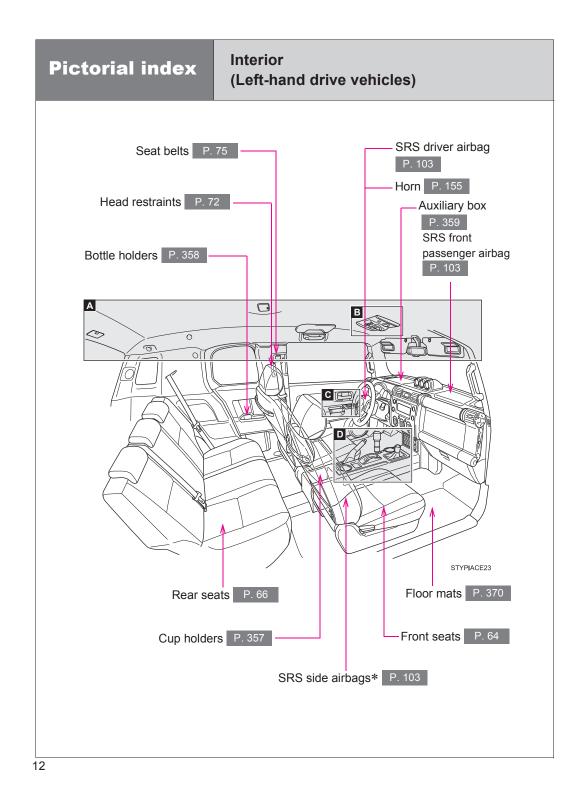
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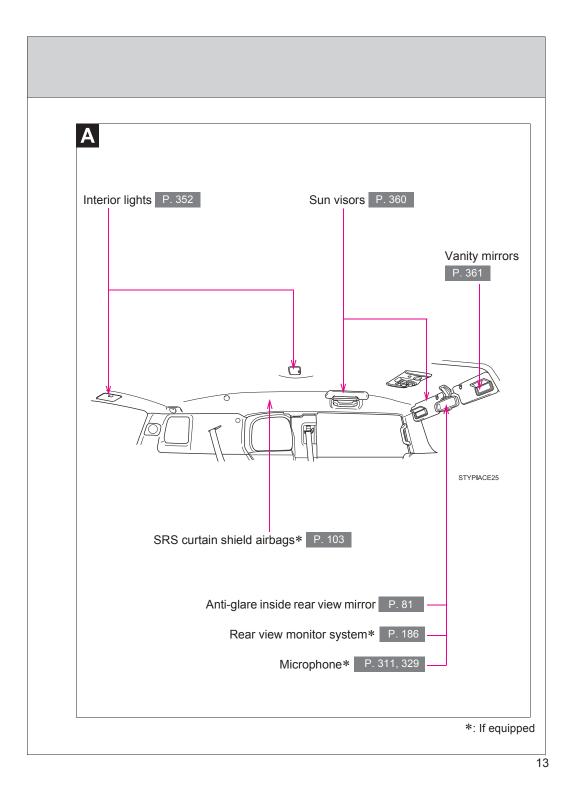


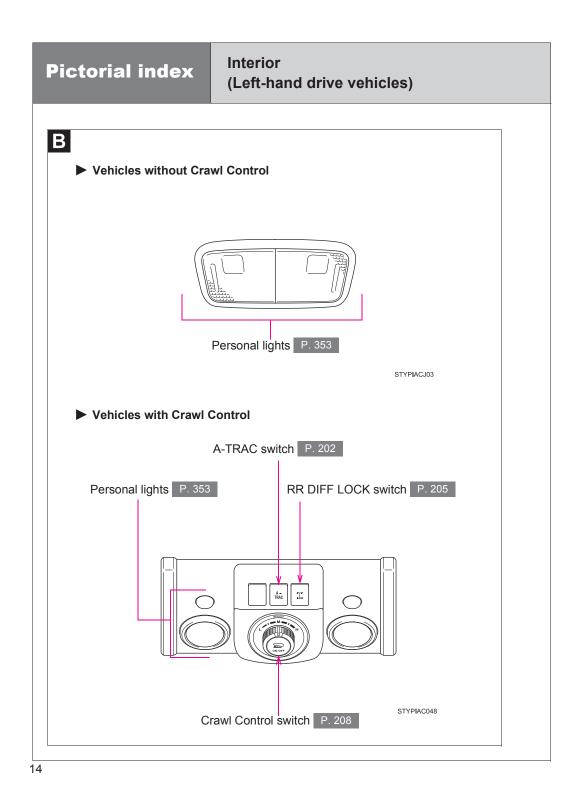


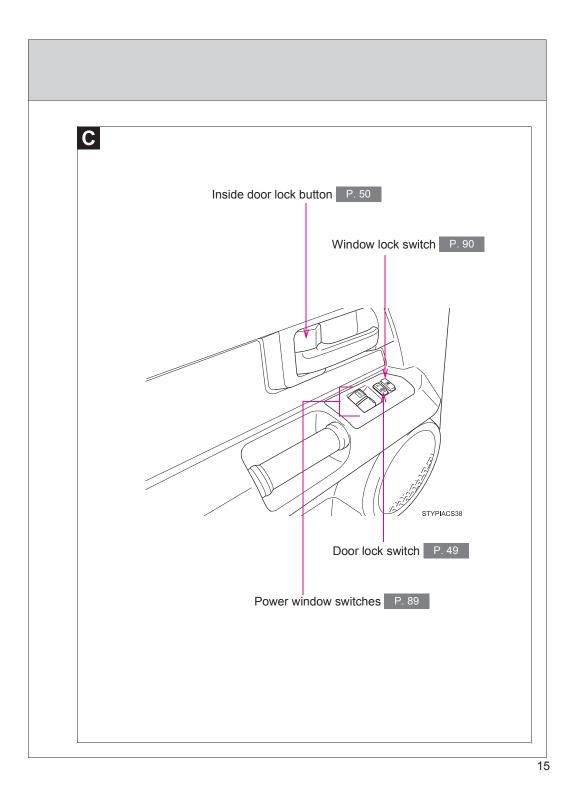


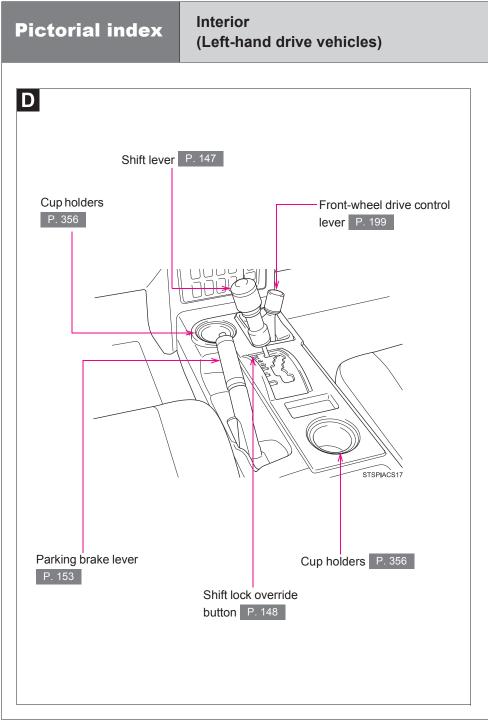


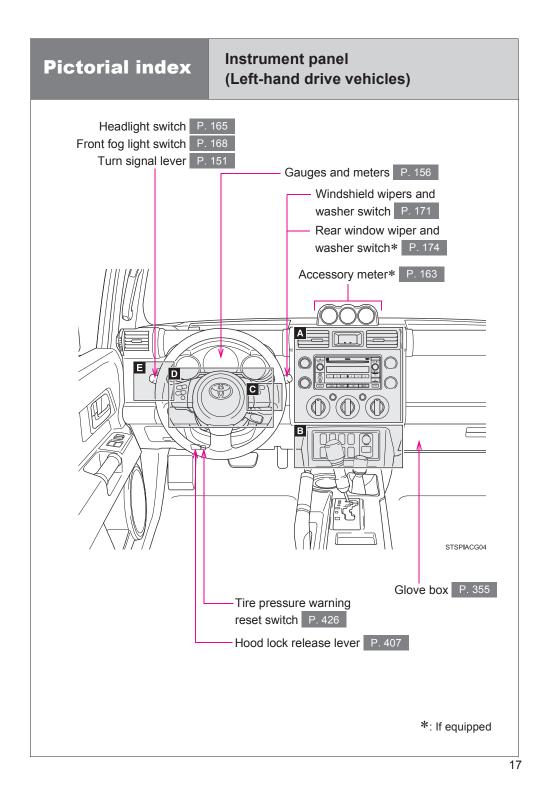


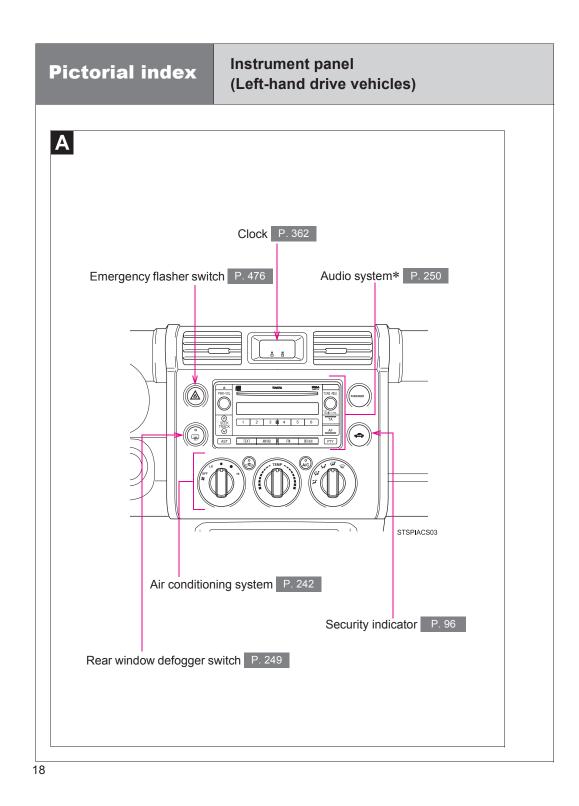


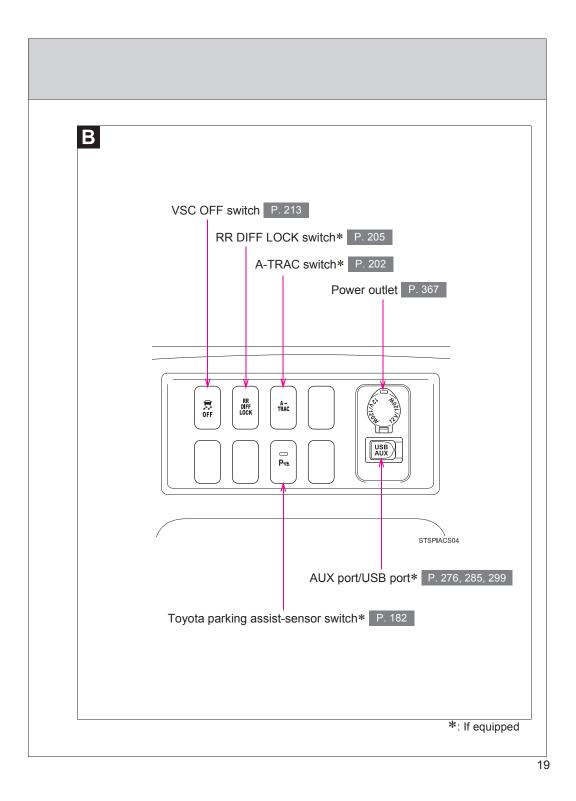


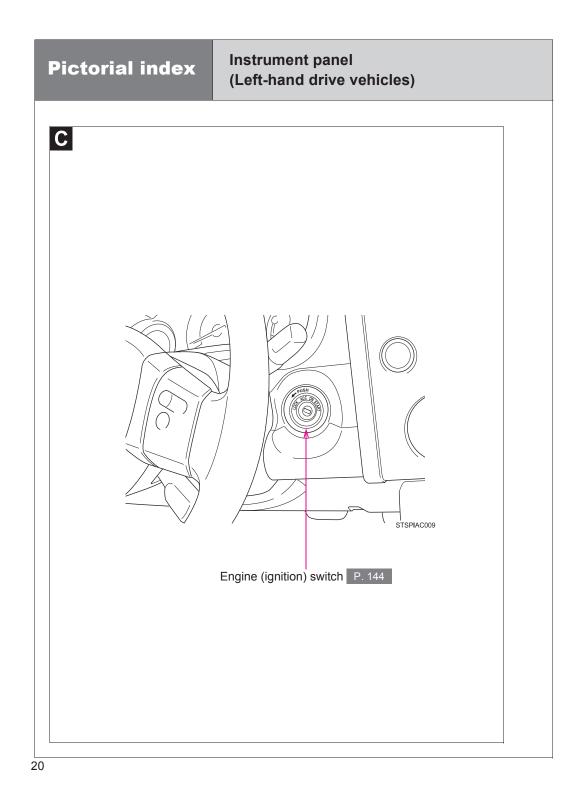




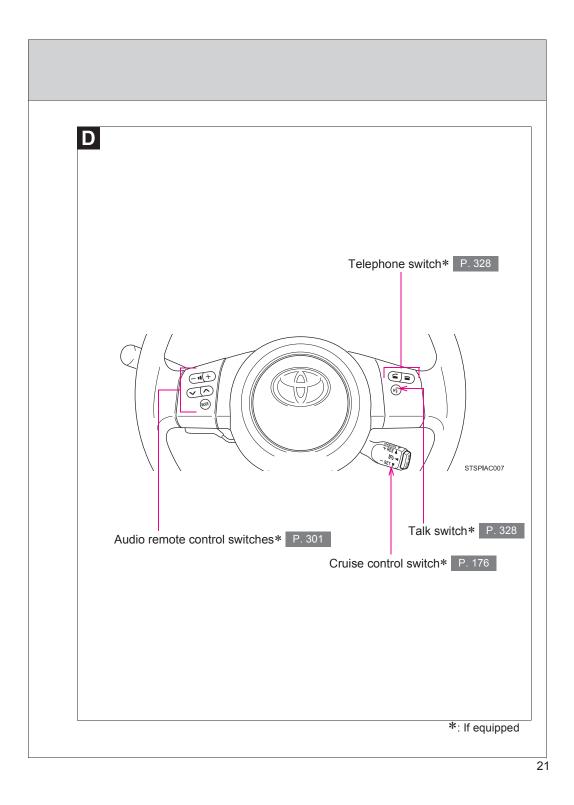


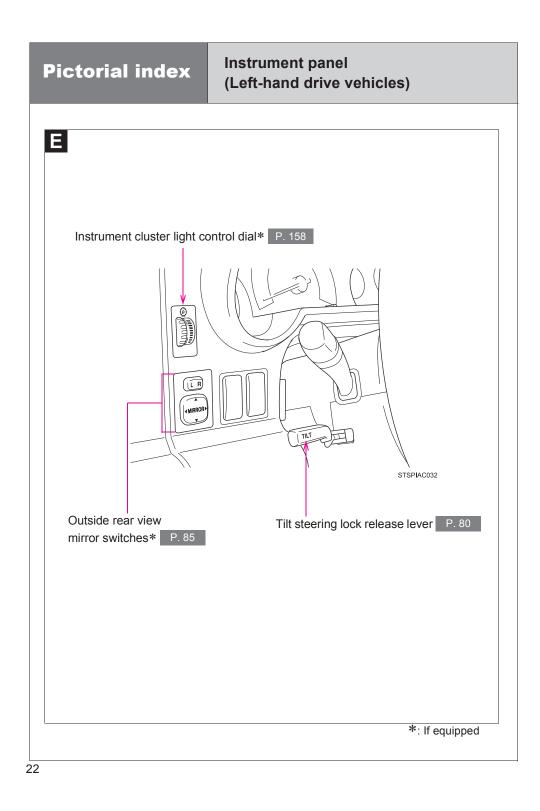


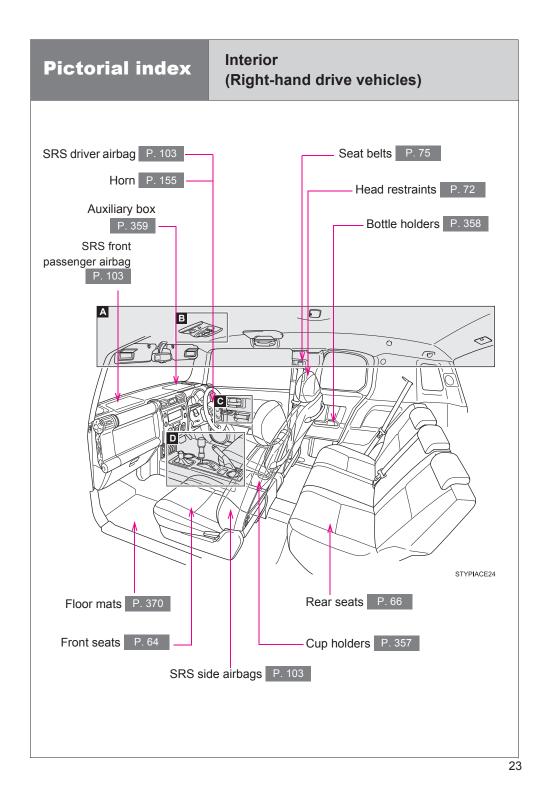




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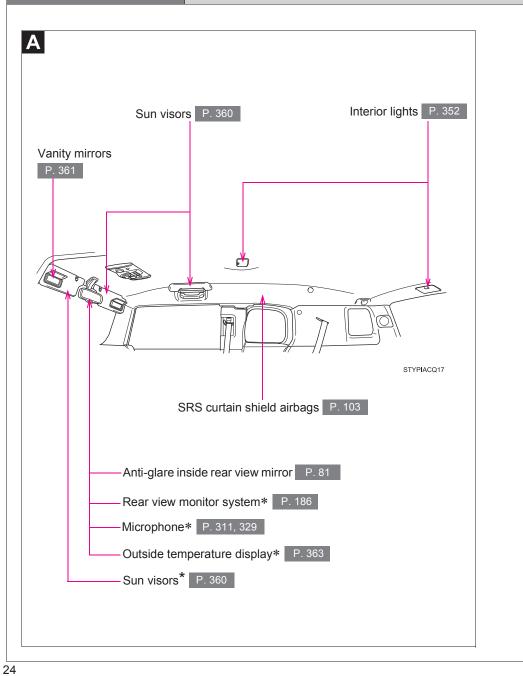


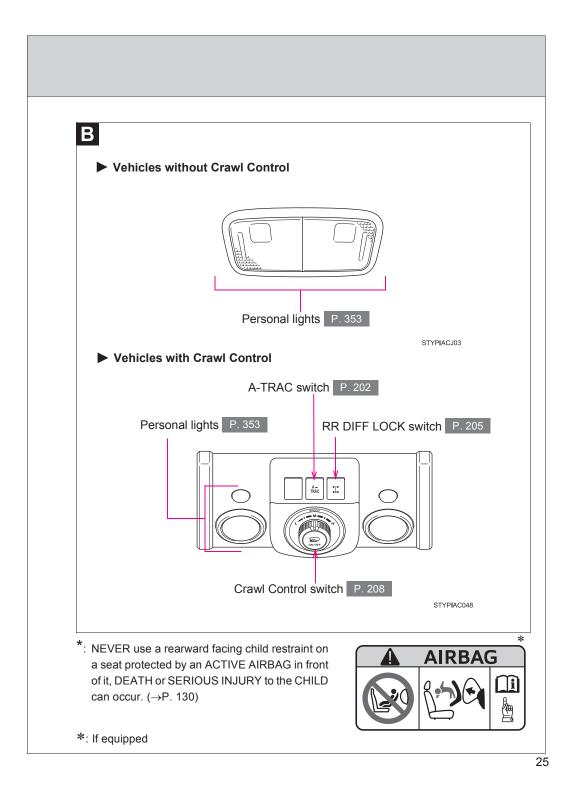


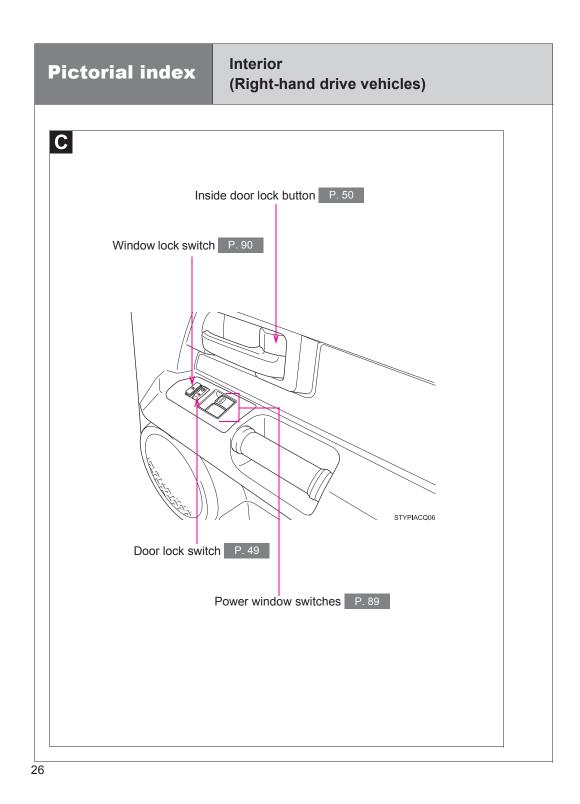


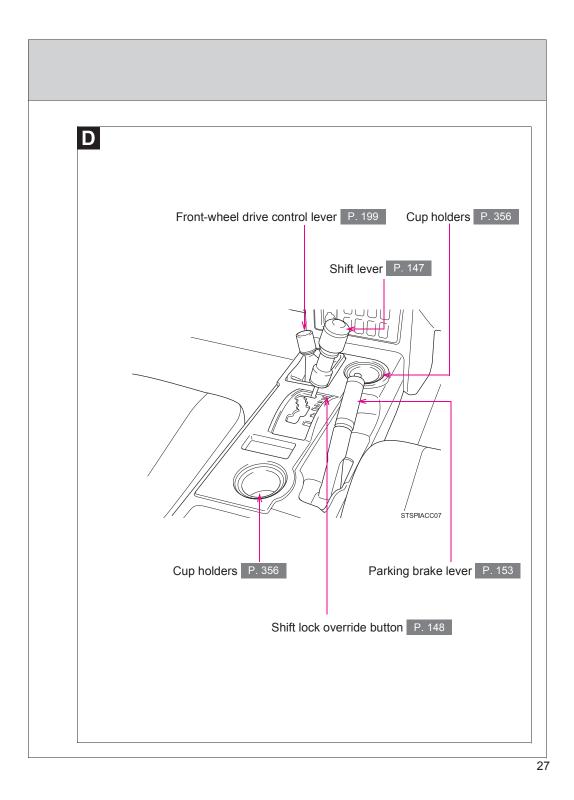
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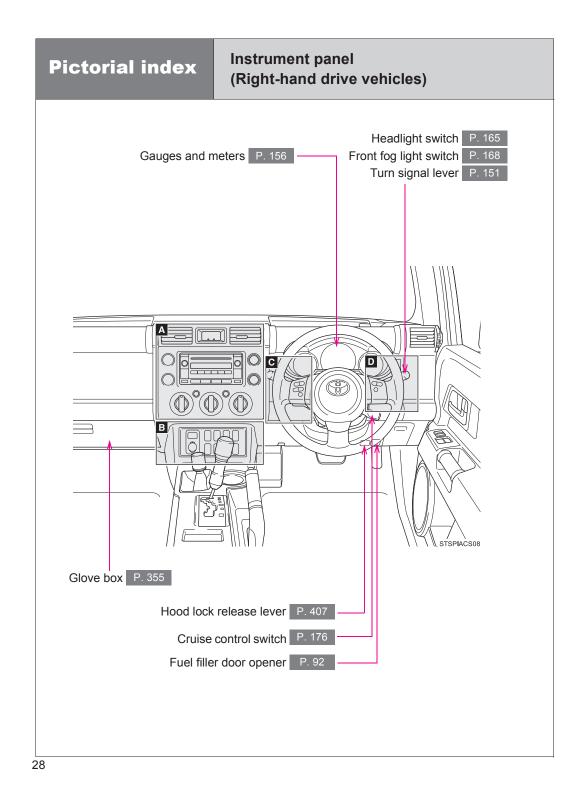


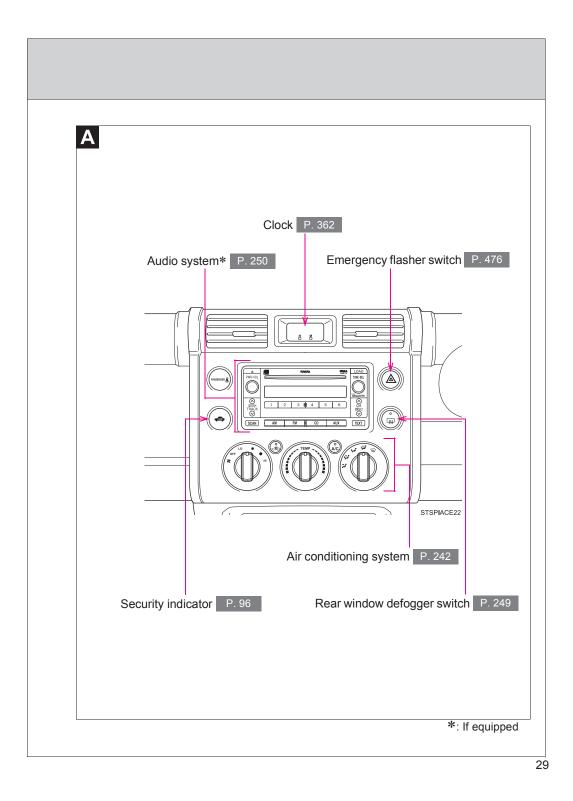


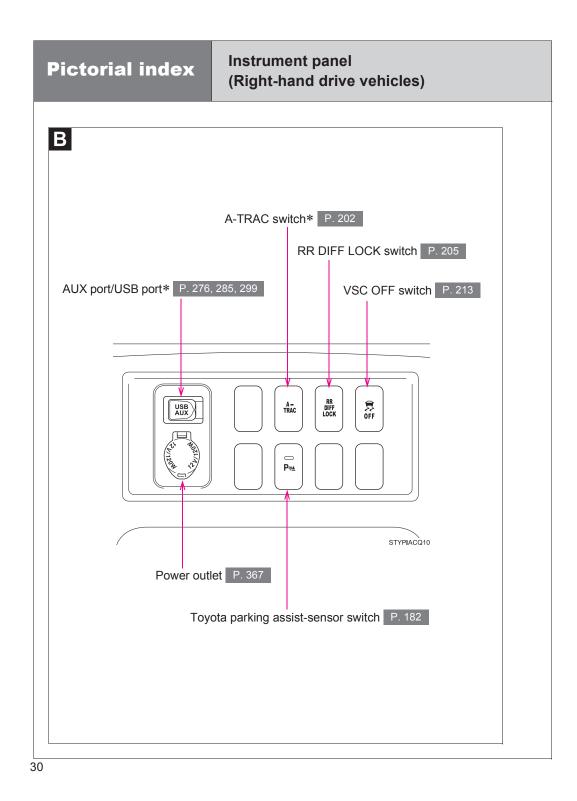


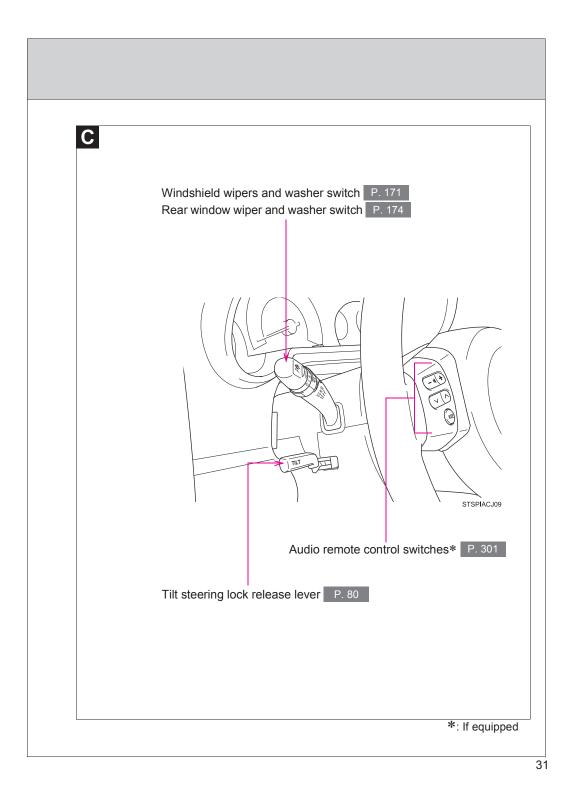


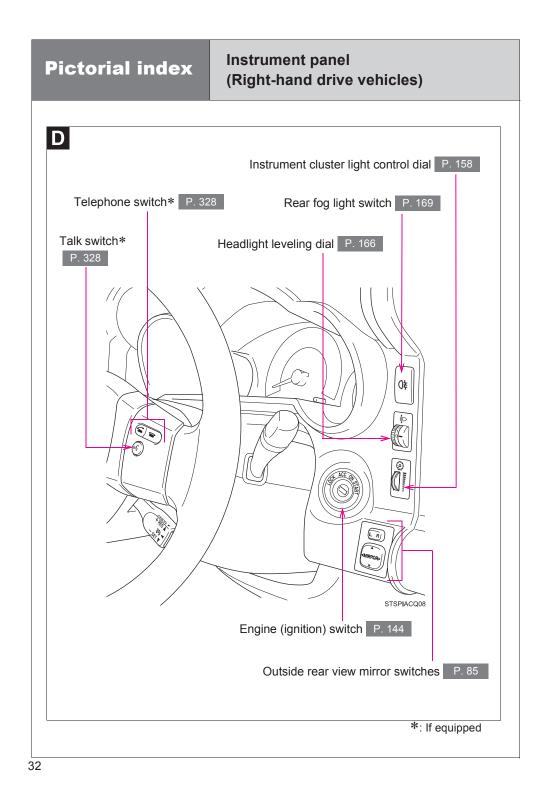


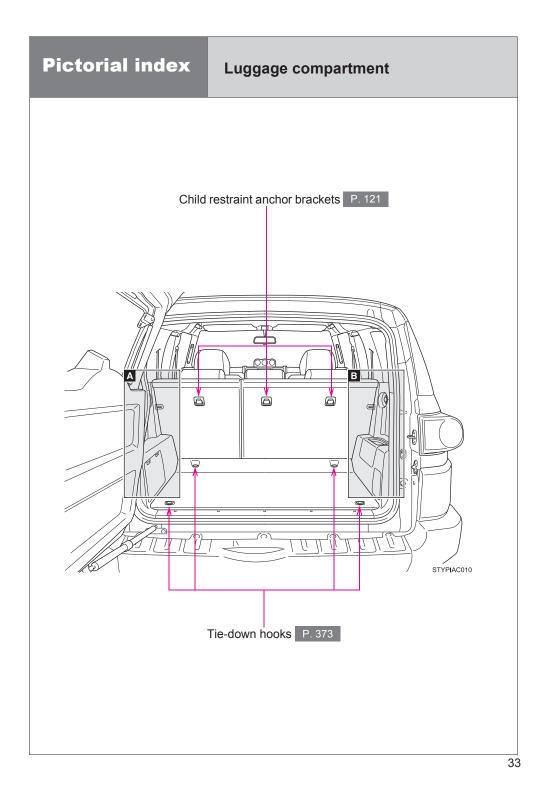




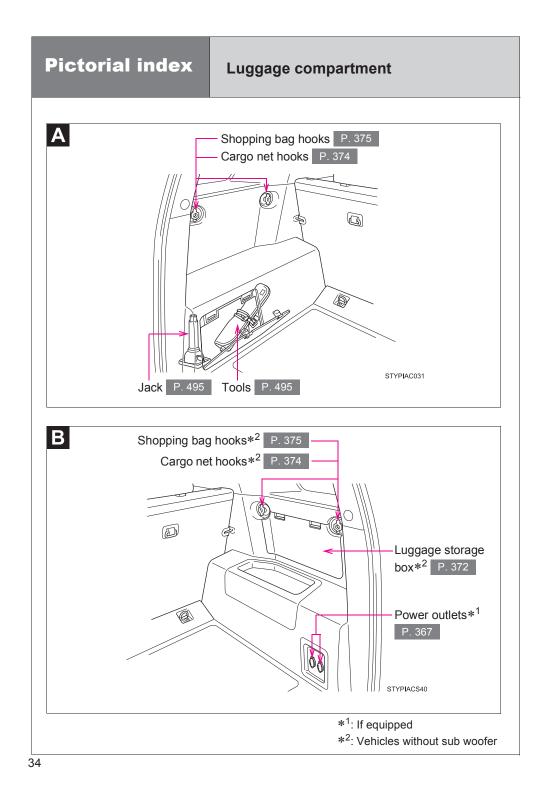








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For your information

Main Owners Manual

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

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

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

Accessories, spare parts and modification of your Toyota

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

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

Installation of an RF-transmitter system

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

- Multiport fuel injection system/sequential multiport fuel injection system
- 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 recordings

Your Toyota is equipped with several sophisticated computers that will record certain data, such as:

- · Engine speed
- Accelerator status
- · Brake status
- Vehicle speed
- Shift position

The recorded data varies according to the vehicle grade level and options with which it is equipped. Furthermore, these computers do not record conversations, sounds or pictures.

Data usage

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

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

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

Event data recorder

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

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

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

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

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

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

• Disclosure of the EDR data

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

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

Scrapping 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.

CAUTION

General precautions while driving

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

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

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

General precaution regarding children's safety

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

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

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Symbols used throughout this manual

Cautions & Notices

CAUTION

This is a warning against anything which may cause death or injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

🔥 NOTICE

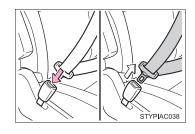
This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your Toyota and its equipment.

Symbols used in illustrations



Safety symbol

The symbol of a circle with a slash through it means "Do not", "Do not do this", or "Do not let this happen".



Arrows indicating operations

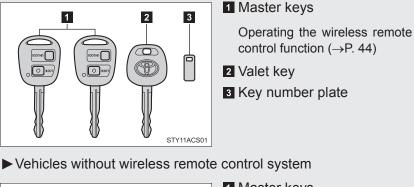
- Indicates the action (pushing, turning, etc.) used to operate switches and other devices.

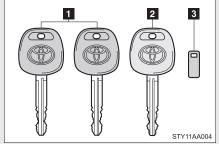
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1-1. Key information Keys

The following keys are provided with the vehicle.

Vehicles with wireless remote control system





Master keys
 Valet key
 Key number plate

Key number plate

Keep the plate in a safe place such as your wallet, not in the vehicle. In the event that a key is lost, a new key can be made by your Toyota dealer using the key number plate. (\rightarrow P. 508)

When riding in an aircraft (vehicles with wireless remote control system)

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

1-1. Key information

▲ NOTICE

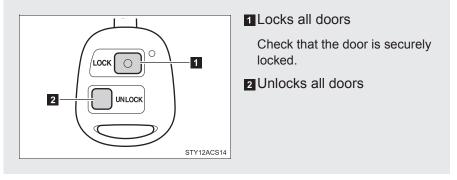
To prevent key damage

- Do not subject the keys to strong shocks, expose them to high temperatures by placing them in direct sunlight, or get them wet.
- Do not expose the keys to electromagnetic materials or attach any material that blocks electromagnetic waves to the key surface.

1 Before driving

1-2. Opening, closing and locking the doors Wireless remote control^{*}

The wireless remote control can be used to lock and unlock the vehicle from outside the vehicle.



Operation signals

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

Door lock buzzer

If a door or glass hatch is not fully closed, a buzzer sounds for 10 seconds if an attempt to lock the door and glass hatch are made. Fully close the door and glass hatch to stop the buzzer, and lock the vehicle once more.

Key battery depletion

The standard battery life is 1 to 2 years. (The battery becomes depleted even if the key is not used.) If the wireless remote control function does not operate, the battery may be depleted. Replace the battery when necessary. (\rightarrow P. 439)

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.

*: If equipped

Conditions affecting operation

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

- Near a TV tower, radio station, electric power plant, airport or other facility that generates strong radio waves
- When carrying a portable radio, cellular phone or other wireless communication device
- When multiple wireless keys are in the vicinity
- When the wireless key has come into contact with, or is covered by a metallic object
- When a wireless key (that emits radio waves) is being used nearby
- When the wireless key has been left near an electrical appliance such as a personal computer

Customization that can be configured at Toyota dealer

Settings (e.g. wireless remote control system) can be changed. (Customizable features \rightarrow P. 536)

Certification for wireless remote control

► For vehicles sold in Republic of Panama

FCC ID: HYQ12BBT

FCC ID: HYQ13BBL

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.

For vehicles sold in Jamaica

This product has been Type Approved by Jamaica: SMA-13BAA. This product has been Type Approved by Jamaica: SMA-1512V.

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Before driving

For vehicles sold in Tahiti and the Commonwealth of Dominica

The latest "DECLARATION of CONFORMITY" (DoC) is available at the following address:

http://www.globaldenso.com/en/products/oem/index.html

CE

Hereby, DENSO CORPORATION declares that this 13BAA/1512V is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

DENSO CORPORATION vakuuttaa täten että 13BAA/1512V tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Hierbij verklaart DENSO CORPORATION dat het toestel 13BAA/1512V in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Par la présente DENSO CORPORATION déclare que l'appareil 13BAA/1512V est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Härmed intygar DENSO CORPORATION att denna 13BAA/1512V står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Undertegnede DENSO CORPORATION erklærer herved, at følgende udstyr 13BAA/1512V overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Hiermit erklärt DENSO CORPORATION, dass sich das Gerät 13BAA/1512V in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ DENSO CORPORATION ΔΗΛΩΝΕΙ ΟΤΙ	
13ΒΑΑ/1512V ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ	
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1999/5/EK.	
Con la presente DENSO CORPORATION dichiara che questo	
13BAA/1512V è conforme ai requisiti essenziali ed alle altre	
disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.	
Por medio de la presente DENSO CORPORATION declara que el	
13BAA/1512V cumple con los requisitos esenciales y cualesquiera	
otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.	
DENSO CORPORATION declara que este 13BAA/1512V está	
conforme com os requisitos essenciais e outras disposições da	
Directiva 1999/5/CE.	
Hawnhekk, DENSO CORPORATION, jiddikjara li dan 13BAA/1512V	
jikkonforma mal-fitiģijiet essenzjali u ma provvedimenti ofirajn relevant	i li
hemm fid-Dirrettiva 1999/5/EC.	
Käesolevaga kinnitab DENSO CORPORATION seadme 13BAA/1512	V
vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist	
tulenevatele teistele asjakohastele sätetele.	
Alulirott, DENSO CORPORATION nyilatkozom, hogy a 13BAA/1512V	
megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC	
irányelv egyéb előírásainak.	
DENSO CORPORATION týmto vyhlasuje, že 13BAA/1512V spĺňa	
základné požiadavky a všetky príslušné ustanovenia Smernice	
1999/5/ES.	
DENSO CORPORATION timto prohlašuje, že tento 13BAA/1512V je v	/e
shodě se základními požadavky a dalšími příslušnými ustanoveními	
směrnice 1999/5/ES.	
DENSO CORPORATION izjavlja, da je ta 13BAA/1512V v skladu z	
bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/	22
	_0.
Šiuo DENSO CORPORATION deklaruoja, kad šis 13BAA/1512V	
atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas	
atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas	•

Ar šo DENSO CORPORATION deklarē, ka 13BAA/1512V atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Niniejszym DENSO CORPORATION oświadcza, że 13BAA/1512V jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.

Hěr með lýsir DENSO CORPORATION yfir því að 13BAA/1512V er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.

DENSO CORPORATION erklærer herved at utstyret 13BAA/1512V er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

С настоящето, DENSO CORPORATION, декларира, че 13BAA/1512V е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 1999/5/ЕС.

Prin prezenta, DENSO CORPORATION, declară că aparatul 13BAA/1512V este in conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivel 1999/5/CE.

Ovim, DENSO CORPORATION, izjavljuje da ovaj 13BAA/1512V je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

Ovim, DENSO CORPORATION, deklariše da je 13BAA/1512V u skladu sa osnovnim zahtevima i ostalim relevantnim odredbama Direktive 1999/5/EC.

Ovim DENSO CORPORATION, izjavljuje da je 13BAA/1512V u sklau s bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC i Pravilnika o RiTT opremi (NN 25/2012).

Nepermjet kesaj, DENSO CORPORATION, deklaroj qe ky 13BAA/1512V eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC.

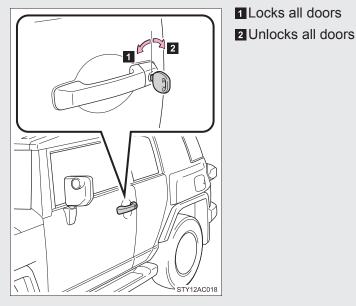
1-2. Opening, closing and locking the doors **Side doors**

The vehicle can be locked/unlocked using the wireless remote control, key or door lock switch.

Wireless remote control (if equipped)

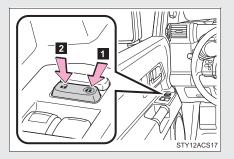
→P. 44



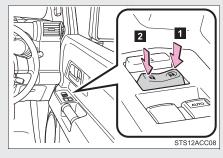


Door lock switch

Driver's door lock switch (left-hand drive vehicles)

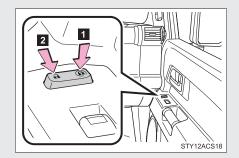


Locks all doors
 Unlocks all doors



- Driver's door lock switch (right-hand drive vehicles)
 - Locks all doors
 Unlocks all doors

▶ Passenger's door lock switch (left-hand drive vehicles only)



Locks all doors
 Unlocks all doors

Inside door lock button



Locks the door
 Unlocks the door

Pulling the inside handle can open the driver's door even if the inside door lock button is in the lock position.

Locking the front doors from the outside without a key

STEP 1 Move the inside door lock button to the lock position.

STEP 2 Close the door while pulling the door handle.

The door cannot be locked if a front door is open and the key is in the engine switch.

Key reminder buzzer

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

Customization that can be configured at Toyota dealer

Setting (e.g. unlocking function using a key) can be changed. (Customizable features \rightarrow P. 536)

CAUTION

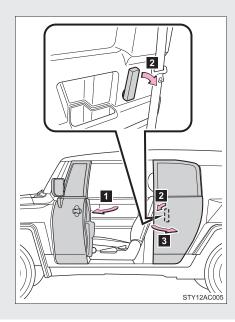
To prevent an accident

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

- Always use a seat belt.
- Always lock all doors.
- Ensure that all doors are properly closed.
- Do not pull the inside handle of the side doors while driving. The doors may be opened and the passengers are thrown out of the vehicle and it may result in death or serious injury. Be especially careful for the driver's door, as the doors may be opened

even if the inside lock buttons are in locked position.

1-2. Opening, closing and locking the doors Access doors



The access door (rear door) can be opened using the inside handle.

1 Open the front door widely

- Pull (from the outside) or push (from the inside) the inside handle of the access door.
- 3 Open the access door

You can open and close the access door only when the front door is widely opened.

CAUTION

When closing the access door

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



- Confirm safety of the area around.
- Keep the hands, fingers and other parts of the bodies of all occupants away from the access door.

1-2. Opening, closing and locking the doors

When opening or closing the front door and access door

The front door and access door could be damaged if they hit each other when being opened or closed.

1 Bef

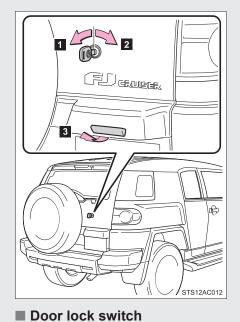
1-2. Opening, closing and locking the doors **Back door**

The back door can be locked/unlocked using a key, wireless remote control or door lock switch.

Wireless remote control (if equipped)

→P. 44

Key



Unlocks the back door

2 Locks the back door

3 Opens the back door

When you turn the key clockwise and hold it for about 1 second, the glass hatch opens. $(\rightarrow P. 60)$

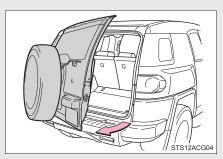
54

→P. 49

Back door fixing function

The back door can be held in the following positions:

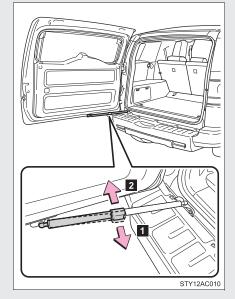
► Half open position



Open the back door to the half open position.

It cannot be held in this position when being closed.

► Full open position



You can hold the back door in this position:

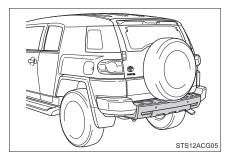
- Locks the back door damper
- 2 Unlocks the back door damper

When closing the door, be sure to unlock the damper.

1-2. Opening, closing and locking the doors

Rear step bumper

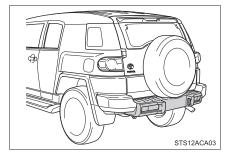
Type A



For rear end protection and easier step-up loading.

To get on the rear step bumper, use the shaded area in the illustration.





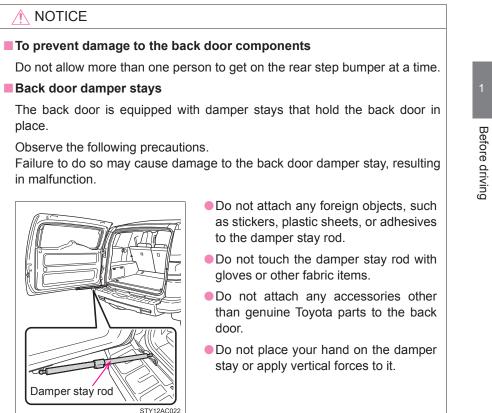
For rear end protection and easier step-up loading.

To get on the rear step bumper, use the shaded area in the illustration.

CAUTION Caution while driving Keep the back door closed while driving. If the back door is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident. In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the back door before driving. Before driving the vehicle, make sure that the back door is fully closed. If the back door is not fully closed, it may open unexpectedly while driving, causing an accident. • Never let anyone sit in the luggage compartment. In the event of sudden braking or a collision, they are susceptible to death or serious injury. Do not get on the rear step bumper. When children are in the vehicle Observe the following precautions. Failure to do so may result in death or serious injury. • Do not allow children to play in the luggage compartment. If a child is accidentally locked in the luggage compartment, they could have heat exhaustion or other injuries. Do not allow a child to open or close the back door. Doing so may cause the back door to move unexpectedly, or cause the child's hands, head, or neck to be caught by the closing back door. Operating the back door Observe the following precautions. Failure to do so may cause parts of the body to be caught, resulting in death or serious injury. •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.

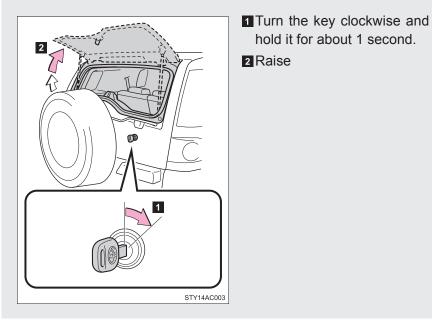
1-2. Opening, closing and locking the doors

CAUTION Operating the back door • The back door may suddenly shut if the back door damper is not locked. 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 STY12AC024 open and secure before using the luggage compartment. • Even with the back door damper locked, the back door damper may unlock and the back door may close when excessive force such as a strong wind is applied to the back door. Take extra care to prevent any part of your body from being caught. • When closing the back door, take extra care to prevent your fingers etc. from being caught. • When closing the back door, make sure to press it lightly on its outer surface. STY12AC025 Do not pull on the back door damper stay to close the back door, and do not hang on the back door damper stay. Doing so may cause hands to be caught or the back door damper stay 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.



• Ensure that the damper is unlocked before closing the back door.

1-2. Opening, closing and locking the doors **Glass hatch**



The glass hatch can be opened using the key.

Opening the glass hatch

- The glass hatch opens slightly, after the back door is locked.
- When the rear window wiper is working, the wiper returns to the original position and stops working.
 - The wiper restarts its working about 3 seconds after the glass hatch is closed.

Closing the glass hatch

- Make sure that the glass hatch is securely closed after closing it.
 If the glass hatch is not securely closed, the rear window wiper and washer will not work.
- Be careful not to lock your keys in the vehicle.

CAUTION Caution while driving Keep the glass hatch closed while driving. If the glass hatch is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident. In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the glass hatch before driving. Before driving the vehicle, make sure that the glass hatch is fully closed. If the glass hatch is not fully closed, it may open unexpectedly while driving, causing an accident. • Never let anyone sit in the luggage compartment. In the event of sudden braking or a collision, they are susceptible to death or serious injury. When children are in the vehicle Observe the following precautions. Failure to do so may result in death or serious injury. • Do not allow children to play in the luggage compartment. If a child is accidentally locked in the luggage compartment, they could have heat exhaustion or other injuries. • Do not allow children to open or close the glass hatch. Doing so may cause the glass hatch to move unexpectedly, or cause the child's hands, head, or neck to be caught by the closing glass hatch. Operating the glass hatch 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 glass hatch before opening it. Failure to do so may cause the glass hatch to suddenly shut again after it is opened. • When opening or closing the glass hatch, 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 glass hatch is about to open or close.

1-2. Opening, closing and locking the doors

CAUTION

Operating the glass hatch

 Use caution when opening or closing the glass hatch in windy weather as it may move abruptly in strong wind.





- The glass hatch may suddenly shut if it is not opened fully. It is more difficult to open or close the glass hatch on an incline than on a level surface, so beware of the glass hatch unexpectedly opening or closing by itself. Make sure that the glass hatch is fully open and secure before using the luggage compartment.
- When closing the glass hatch, take extra care to prevent your fingers etc. from being caught.
- When closing the glass hatch, make sure to press it lightly on its outer surface.
- Do not pull on the glass hatch damper stay to close the glass hatch, and do not hang on the glass hatch damper stay.

Doing so may cause hands to be caught or the glass hatch damper stay to break, causing an accident.

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

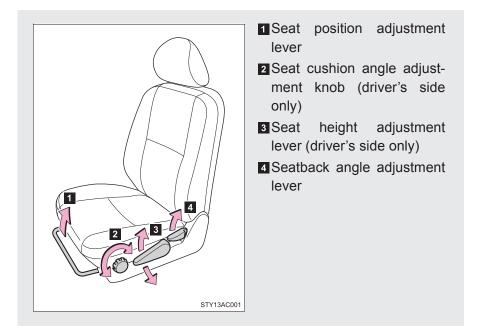
Before you close the glass hatch

To avoid death or serious injury, you must do the following.

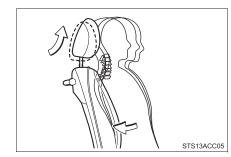
- Always make sure there is nobody around the glass hatch.
- Make sure all occupants are safe and let them know that the glass hatch is about to close.

NOTICE \wedge Glass hatch damper stays The glass hatch is equipped with damper stays that hold the glass hatch in place. Observe the following precautions. Failure to do so may cause damage to the glass hatch 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 Damper stay rod STY12AC023 than genuine Toyota parts to the glass hatch.

 Do not place your hand on the damper stay or apply lateral forces to it. 1 Before driving



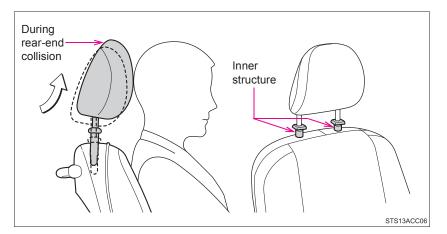
Active head restraints (right-hand drive vehicles only)



When the occupant's lower back presses against the seatback during a rear-end collision, the head restraint moves slightly forward and upward to help reduce the risk of whiplash on the seat occupant.

Active head restraints (right-hand drive vehicles only)

Even small forces applied to the seatback may cause the head restraint to move. Pushing up a locked head restraint forcibly may show the head restraint inner structure. These do not indicate problems.



■ Waterproof and water-repellent seats

Waterproof and water-repellent seats are installed in your vehicle; however, the water-repellent effect does not last forever.

CAUTION

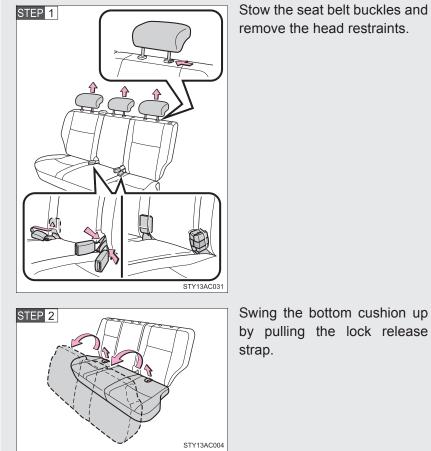
Seat adjustment

• Do not recline the seat more than necessary when the vehicle is in motion to reduce the risk of sliding under the lap belt.

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.

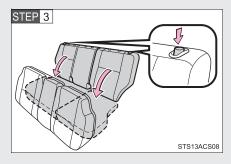
• After adjusting the seat, make sure that the seat is locked in position.

Before driving



The seatbacks of the rear seats can be folded down.

Swing the bottom cushion up

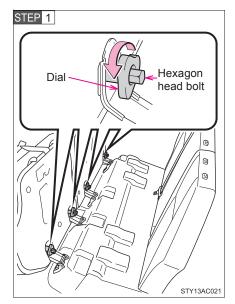


Push the lock release button and fold down the seatback.

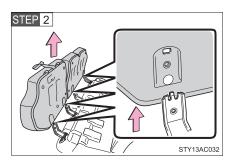


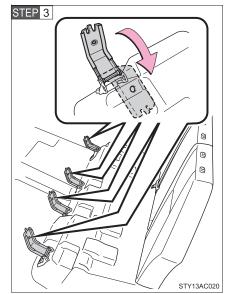
Removing rear seat bottom cushions

When loading large luggage items, the cushion can be removed. Do not remove the cushion for normal usage.



Loosen the bolts with a wrench at first and turn the dials by hand to remove them.





Separate the bottom cushion from the hinge.

Fold the hinge as shown in the illustration.

If you cannot raise the seatback



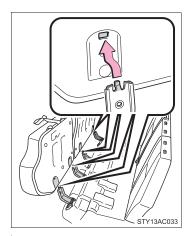
Release the seat belt lock by:

Pushing on the lower front edge of the seatback to slacken the seat belt.

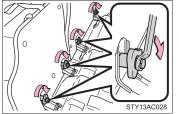
2 Letting the seat belt retract a little.



When the bottom cushion is reinstalled



Click the claw of the hinge into the hole of the bottom cushion before refastening the dial.

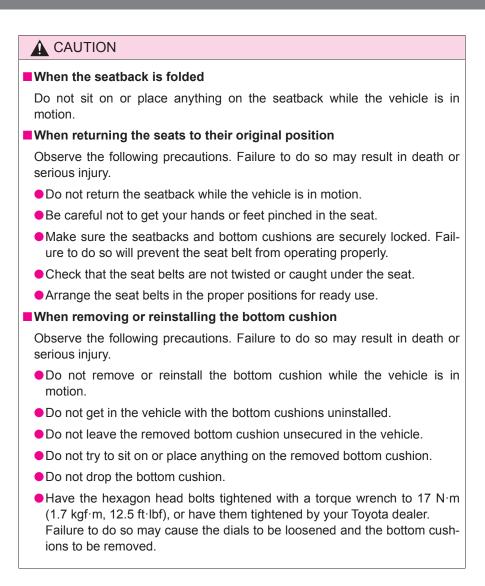


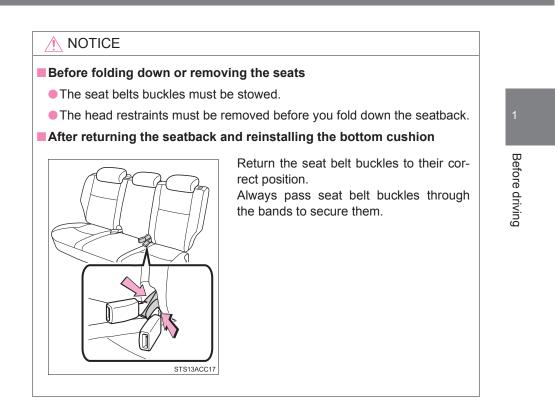
Firmly tighten the hexagon head bolts using a torque wrench.

Tightening torque: 17 N·m (1.7 kgf·m, 12.5 ft·lbf)

■ Waterproof and water-repellent seats

Waterproof and water-repellent seats are installed in your vehicle; however, the water-repellent effect does not last forever.



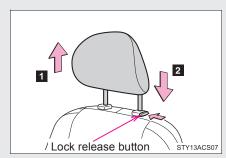


1-3. Adjustable components (seats, mirrors, steering wheel) Head restraints

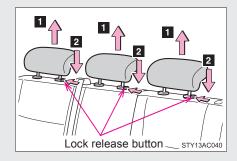
Head restraints are provided for all seats.

Adjusting the head restraints

Front seats



Rear seats



Vertical adjustment

1 Up

Pull the head restraints up.

2 Down

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

Vertical adjustment

1 Up

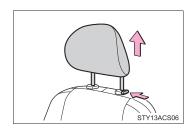
Pull the head restraints up.

2 Down

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

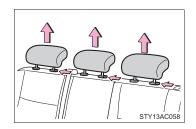
Removing the head restraints

Front seats



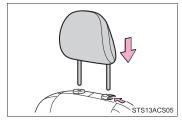
Pull the head restraint up while pushing the lock release button.

Rear seats



Installing the head restraints

Front seats

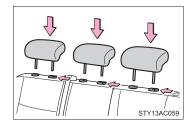


Pull the head restraint up while pushing the lock release button.

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

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

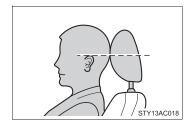
► Rear seats



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

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

Adjusting the height of the front seat head restraints



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

Adjusting the rear seat head restraints

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

CAUTION

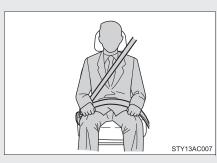
Head restraint precautions

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.

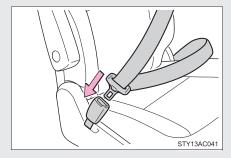
Make sure that all occupants are wearing their seat belts before driving the vehicle.

Correct use of the seat belts



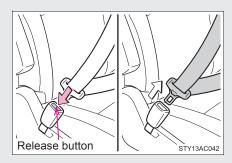
- Extend the shoulder belt so that it comes fully over the shoulder, but does not come into contact with the neck or slide off the shoulder.
- Position the lap belt as low as possible over the hips.
- Adjust the position of the seatback. Sit up straight and well back in the seat.
- Do not twist the seat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

Fastening and releasing the seat belt



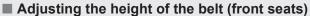
Fastening the belt

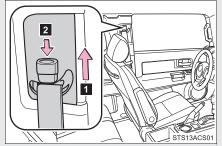
Push the tab into the buckle until a clicking sound is heard.



Releasing the belt

Press the release button.





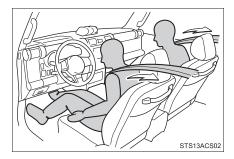
1 Up

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

2 Down

Push the lock release button and slide the height adjuster down.

Seat belt pretensioners (front seats)



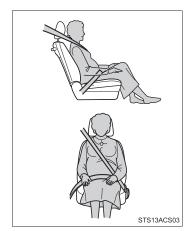
The pretensioner helps the seat belt to quickly restrain the occupant by retracting the seat belt when the vehicle is subjected to certain types of severe frontal collision.

The pretensioner may not activate in the event of a minor frontal impact, a side impact or a rear impact.

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.

Pregnant women



Obtain medical advice and wear the seat belt in the proper way. $(\rightarrow P. 75)$

Women who are pregnant should position the lap belt as low as possible over the hips in the same manner as other occupants. Extend the shoulder belt completely over the shoulder and position the belt across the chest. Avoid belt contact over the rounding of the abdominal area.

If the seat belt is not worn properly, not only a 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.

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 become large enough to properly wear the vehicle's seat belt. (→P. 113)
- •When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions on P. 75 regarding seat belt usage.

Replacing the belt after the pretensioner has been activated

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

Seat belt regulations

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

CAUTION

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 properly before driving.
- 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.
- Do not recline the seat any more than necessary to achieve a proper seating position. 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.

When children are in the vehicle

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.

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 injury in the event of sudden braking, sudden swerving or an accident. (\rightarrow P. 76)

Seat belt pretensioners

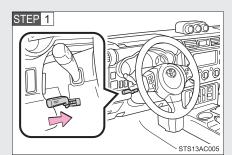
If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at your Toyota dealer.

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 tab 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 of the pretensioner may prevent it from operating properly resulting in death or serious injury.

1-3. Adjustable components (seats, mirrors, steering wheel) Steering wheel

The steering wheel can be adjusted to a comfortable position.



STEP 2

Hold the steering wheel and pull and hold the lever.

Adjust to the ideal position by moving the steering wheel vertically.

After adjustment, release the lever to secure the steering wheel.

CAUTION

Caution while driving

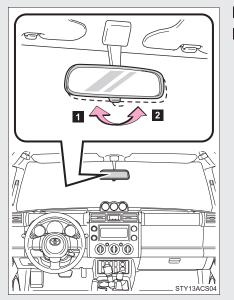
Do not adjust the steering wheel while driving. Doing so may cause the driver to mishandle the vehicle and an accident may occur resulting in death or serious injury.

After adjusting the steering wheel

Make sure that the steering wheel is securely locked. Otherwise, the steering wheel may move suddenly, possibly causing an accident and resulting in death or serious injury. 1-3. Adjustable components (seats, mirrors, steering wheel) Anti-glare inside rear view mirror

Glare from the headlights of vehicles behind can be reduced by using the following functions.

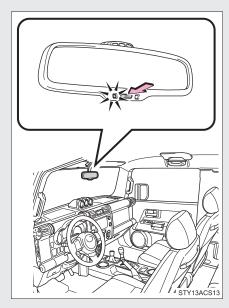
► Manual anti-glare inside rear view mirror



Normal position
 Anti-glare position

► Auto anti-glare inside rear view mirror

In automatic mode, sensors are used to detect the headlights of vehicles behind and automatically reduces the reflected light.

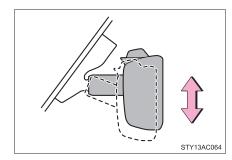


Turns automatic mode on/off

The indicator comes on when automatic mode is turned on.

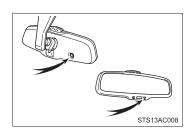
The mirror will revert to the automatic mode each time the engine switch is turned to the ON position.

Adjusting the height of rear view mirror



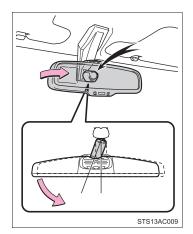
Adjust the height of the rear view mirror by moving it up and down.

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.

■ If a sun visor interferes with the mirror

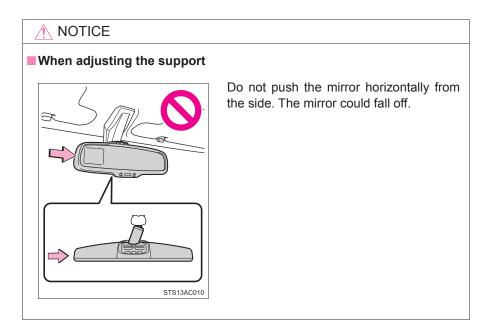


Hold and rotate the mirror to adjust the support.

A CAUTION

Caution while driving

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

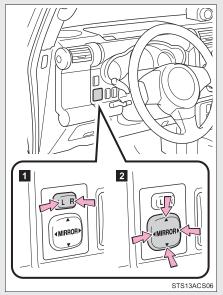


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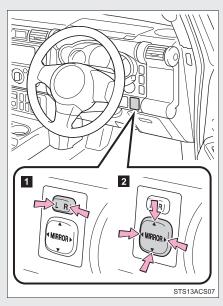
1-3. Adjustable components (seats, mirrors, steering wheel) Outside rear view mirrors

Mirror angle can be adjusted.

► Power-adjustable type (left-hand drive vehicles)

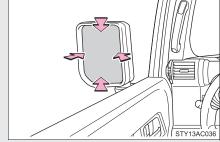


- Select a mirror to adjust. (L: left or R: right)
- Adjust the mirror up, down, in or out using the switch.



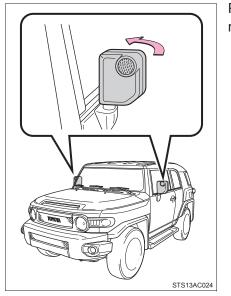
- Power-adjustable type (right-hand drive vehicles)
 - Select a mirror to adjust. (L: left or R: right)
 Adjust the mirror up, down, in or out using the switch.

Manually adjustable type



Adjust the mirror up, down, in or out by pushing the mirror surface.

Folding back the mirrors



Push backward to fold the mirrors.

■ Mirror operating conditions (vehicles with power-adjustable type) The engine switch is in the ACC or ON position.

CAUTION When driving the vehicle 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 back. Both the driver and passenger side mirrors must be extended and properly adjusted before driving. NOTICE

If ice should jam the mirror

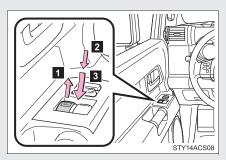
Do not operate the control or scrape the mirror face. Use a spray de-icer to free the mirror.

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1-4. Opening and closing the windows Power windows

The power windows can be opened/closed using the following switches.

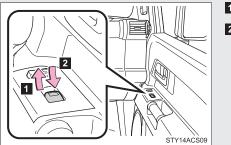
► Driver's power window switches



1 Closing

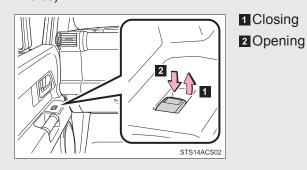
2 Opening

- One-touch opening (driver's window only)*
- *: To stop the window partway, operate the switch in the opposite direction.
- 1 Before driving
- ► Front passenger's power window switch (left-hand drive vehicles)



Closing
 Opening

Front passenger's power window switch (right-hand drive vehicles)

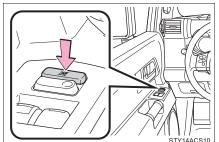


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Lock switch

Left-hand drive vehicles

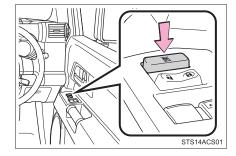


passenger window switches.

Press the switch down to lock

Use this switch to prevent children from accidentally opening or closing a passenger window.

► Right-hand drive vehicles



Press the switch down to lock passenger window switches.

Use this switch to prevent children from accidentally opening or closing a passenger window.

The power windows can be operated when

The engine switch is in the ON position.

Operating the power windows after turning the engine switch off

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

Closing the windows

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

- 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. (\rightarrow P. 90)
- 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 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.

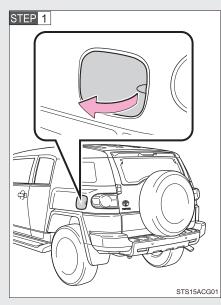
1-5. Refueling Opening the fuel tank cap

Perform the following steps to open the fuel tank cap.

Before refueling the vehicle

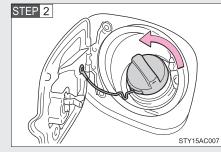
Turn the engine switch to the LOCK position and ensure that all the doors, windows and glass hatch are closed.

- Opening the fuel tank cap
- ► Left-hand drive vehicles

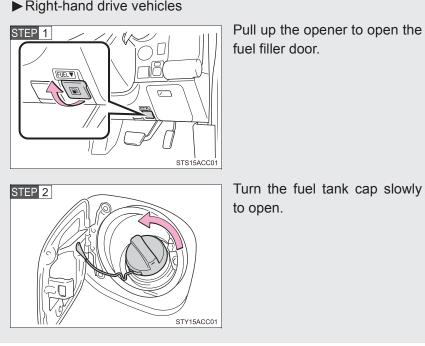


Turn the fuel tank cap slowly to open.

Open the fuel filler door.

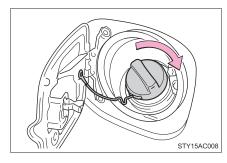


Before driving



► Right-hand drive vehicles

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.

Fuel types

→P. 535

Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your Toyota has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

CAUTION

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.

Refueling the vehicle

- 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.

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.

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.

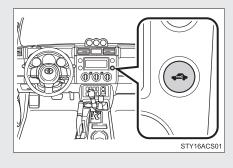
To prevent damage to the fuel filler door

Do not apply excessive force.

1-6. Theft deterrent system Engine immobilizer system

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

Never leave the keys inside the vehicle when you leave the vehicle. This system is designed to help prevent vehicle theft but does not guarantee absolute security against all vehicle thefts.



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

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

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

Certifications for the engine immobilizer system

The DECLARATION of CONFORMITY (DoC) is available at the following address:

http://www.tokai-rika.co.jp/pc

CE

Hereby, Tokai Rika Co., Ltd., declares that this RI-20BTY is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC.

Tokai Rika Co., Ltd. vakuuttaa täten että RI-20BTY tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Hierbij verklaart Tokai Rika Co., Ltd. dat het toestel RI-20BTY in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Par la présente Tokai Rika Co., Ltd. déclare que l'appareil RI-20BTY est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Härmed intygar Tokai Rika Co., Ltd. att denna RI-20BTY står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Undertegnede Tokai Rika Co., Ltd. erklærer herved, at følgende udstyr RI-20BTY overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Hiermit erklärt Tokai Rika Co., Ltd., dass sich das Gerät RI-20BTY in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

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	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Tokai Rika Co., Ltd. ΔΗΛΩΝΕΙ ΟΤΙ RI-20ΒΤΥ ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
	Con la presente Tokai Rika Co., Ltd. dichiara che questo RI-20BTY è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
	Por medio de la presente Tokai Rika Co., Ltd. declara que el RI-20BTY cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
	Tokai Rika Co., Ltd. declara que este RI-20BTY está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
	Hawnhekk, Tokai Rika Co., Ltd., jiddikjara li dan RI-20BTY jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
	Käesolevaga kinnitab Tokai Rika Co., Ltd. seadme RI-20BTY vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
	Alulírott, Tokai Rika Co., Ltd. nyilatkozom, hogy a RI-20BTY megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
	Tokai Rika Co., Ltd. týmto vyhlasuje, že RI-20BTY spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
	Tokai Rika Co., Ltd. tímto prohlašuje, že tento RI-20BTY je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
	Tokai Rika Co., Ltd. izjavlja, da je ta RI-20BTY v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
	Šiuo Tokai Rika Co., Ltd. deklaruoja, kad šis RI-20BTY atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
	Ar šo Tokai Rika Co., Ltd. deklarē, ka RI-20BTY atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
	Niniejszym Tokai Rika Co., Ltd. oświadcza, że RI-20BTY jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
	Hér með lýsir Tokai Rika Co., Ltd. yfir því að RI-20BTY er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
	Tokai Rika Co., Ltd. erklærer herved at utstyret RI-20BTY er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

С настоящето, Tokai Rika Co., Ltd., декларира, че RI-20BTY е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 1999/5/ЕС.

Prin prezenta, Tokai Rika Co., Ltd., declară că aparatul RI-20BTY este in conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei 1999/5/CE.

Ovim, Tokai Rika Co., Ltd., izjavljuje da ovaj RI-20BTY je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

Nepermjet kesaj, Tokai Rika Co., Ltd., deklaroj qe ky RI-20BTY eshte ne pajtim me kerkesat thelbesore dhe dispozitat e tjera perkatese te Direktives 1999/5/EC.

Ovim Tokai Rika Co., Ltd., izjavljuje da je RI-20BTY u sklau s bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC i Pravilnika o RiTT opremi (NN 25/2012).

Ovim, Tokai Rika Co., Ltd., deklariše da je RI-20BTY u skladu sa osnovnim zahtevima i ostalim relevantnim odredbama Direktive 1999/5/EC.

İşbu belge ile Tokai Rika Co., Ltd., bu RI-20BTY ürününün 1999/5/EC Yönetmeliği'nin temel gerekliliklerine ve diğer ilgili hükümlerine uygun olduğunu beyan eder.

For vehicles sold in the Dominican Republic

FCC ID: MOZRI-20BTY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

► For vehicles sold in Jamaica

This product has been Type Approved by Jamaica: SMA, Equipment identifier is placed on the product.

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.

1-7. Safety information Correct driving posture

Drive in a good posture as follows:



- Sit upright and well back in the seat. (→P. 64)
- Adjust the position of the seat forward or backward to ensure the pedals can be reached and easily depressed to the extent required. $(\rightarrow P. 64)$
- Adjust the seatback so that the controls are easily operable.
- Adjust the tilt positions of the steering wheel downward so the airbag is facing your chest. (→P. 80)
- **5** Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (\rightarrow P. 72)
- **6** Wear the seat belt correctly. $(\rightarrow P. 75)$

1-7. Safety information

CAUTION

While driving

- 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, increasing the risk of death or serious injury to the driver or passenger.
- 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. The adjustment mechanism may also be damaged.

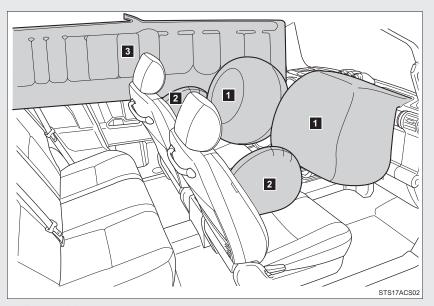
Adjusting the seat position

- 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.

1-7. Safety information **SRS airbags**

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



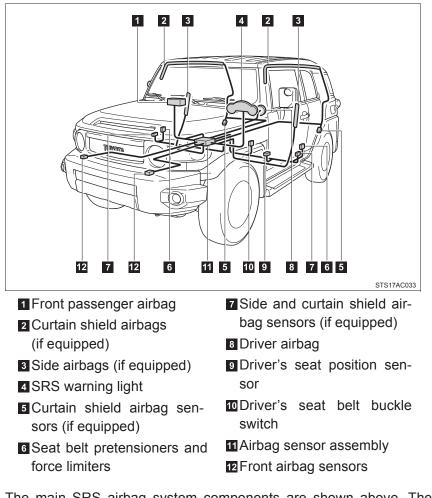
► Front airbags

1 Driver airbag/front passenger airbag

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

- ► Side and curtain shield airbags
- Side airbags (if equipped)Can help protect the torso of the front seat occupants.
- Curtain shield airbags (if equipped) Can help protect primarily the head of outside occupants.

Airbag system components



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

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SRS warning light

This warning light system monitors the airbag sensor assembly, front airbag sensors, side and curtain shield airbag sensor assemblies (if equipped), curtain shield airbag sensor assemblies (if equipped), driver's seat position sensor, driver's seat belt buckle switch, seat belt pretensioner assemblies, interconnecting wiring and power sources. (\rightarrow P. 486)

If the SRS airbags deploy (inflate)

- Slight abrasions, burns, bruising, etc., may be sustained from SRS airbags, due to the extremely high speed deployment (inflation) by hot gases.
- A loud noise and white powder will be emitted.
- Vehicles with curtain shield airbags: Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, and parts of the front and rear pillars and roof side rail, may be hot for several minutes. The airbag itself may also be hot.
- Vehicles without curtain shield airbags: Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats may be hot for several minutes. The airbag itself may also be hot.
- The front windshield may crack.

Operating conditions (front airbags)

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

However, this threshold velocity will be considerably higher if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, or if the vehicle is involved in an underride collision (e.g. a collision in which the front of the vehicle "underrides", or goes under, the bed of a truck, etc.).

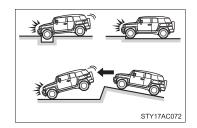
 Depending on the type of collision, it is possible that only the seat belt pretensioners will activate.

Operating conditions (SRS side airbags and SRS curtain shield airbags [if equipped])

The SRS side airbags and SRS curtain shield airbags will deploy in the event of an impact that exceeds the set threshold level (the level of force corresponding to the impact force produced by an approximately 1500 kg [3307 lb.] vehicle colliding with the vehicle cabin from a direction perpendicular to the vehicle orientation at an approximate speed of 20-30 km/h [12-18 mph]).

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

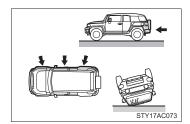
The SRS front airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.



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

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

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

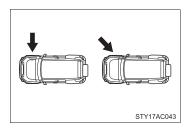


- Collision from the side
- Collision from the rear
- Vehicle rollover

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

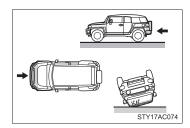
The SRS side airbag and curtain shield airbag system may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.



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

1 Before driving

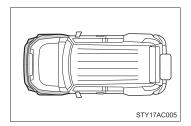
The SRS side airbags are not generally designed to inflate if the vehicle is involved in a frontal or rear collision, if it rolls over, or if it is involved in a low-speed side collision.

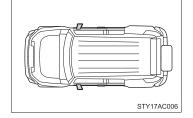


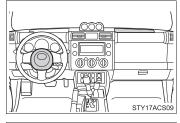
- Collision from the front
- Collision from the rear
- Vehicle rollover

When to contact your Toyota dealer

In the following cases, contact your Toyota dealer as soon as possible.Any of the SRS airbags have been inflated.









- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS airbags to inflate.
- Vehicles with side airbags and curtain shield airbags: A portion of a door is damaged or deformed, or the vehicle was involved in an accident that was not severe enough to cause the SRS side airbags and curtain shield airbags to inflate.
- The pad section of the steering wheel or dashboard near the front passenger airbag is scratched, cracked, or otherwise damaged.
- Vehicles with side airbags and curtain shield airbags: The surface of the seats with the side airbag is scratched, cracked or otherwise damaged.
- Vehicles with side airbags and curtain shield airbags: The portion of the front pillars, rear pillars or roof side rail garnishes (padding) containing the curtain shield airbags inside is scratched, cracked or otherwise damaged.

1 Before driving

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SRS airbag precautions

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

 The driver and all passengers in the vehicle must wear their seat belts properly.

The SRS airbags are supplemental devices to be used with the seat belts.

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

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

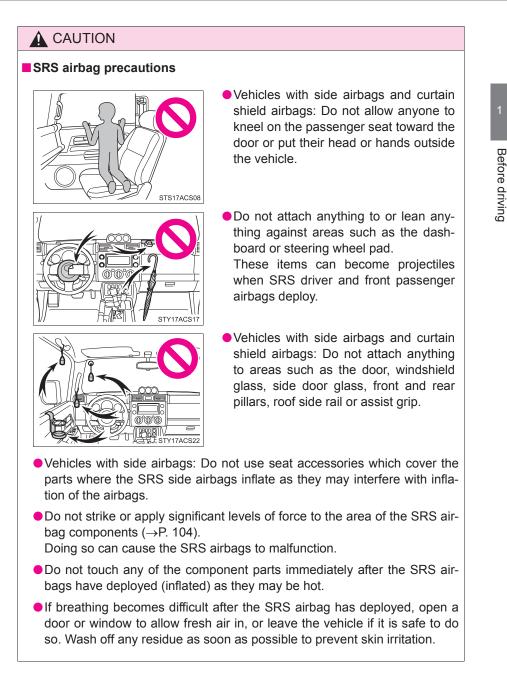
- Move your seat to the rear as far as you can while still reaching the pedals comfortably.
- Slightly recline the back of the seat.
 Although vehicle designs vary, many drivers can achieve the 250 mm

(10 in.) distance, even with the driver seat all the way forward, simply by reclining the back of the seat somewhat. If reclining the back of your seat makes it hard to see the road, raise yourself by using a firm, non-slippery cushion, or raise the seat if your vehicle has that feature.

• If your steering wheel is adjustable, tilt it downward. This points the airbag toward your chest instead of your head and neck.

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

CAUTION SRS airbag precautions The SRS front passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the front passenger is very close to the airbag. The front passenger seat should be as far from the airbag as possible with the seatback adjusted, so the front passenger sits upright. Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. Toyota strongly recommends that all infants and children be placed in the rear seats of the vehicle and properly restrained. The rear seats are the safest for infants and children. (\rightarrow P. 113) Do not sit on the edge of the seat or lean against the dashboard. • Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger. Do not drive the vehicle while the driver or passenger has items resting on their knees. • Vehicles with side airbags and curtain shield airbags: Do not lean against the door, the roof side rail or the front, side and rear pillars. STS17ACS07



1-7. Safety information

CAUTION

SRS airbag precautions

Vehicles with curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillar garnishes, are damaged or cracked, have them replaced by your Toyota dealer.

 Vehicles without curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad is damaged or cracked, have them replaced by your Toyota dealer.

Modification and disposal of SRS airbag system components

Do not dispose of your vehicle or perform any of the following modifications without consulting your Toyota dealer.

The SRS airbags may malfunction or deploy (inflate) accidentally, causing death or serious injury.

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

1-7. Safety information Child restraint systems

Toyota strongly urges the use of child restraint systems.

A child restraint system for a small child or baby must itself be properly restrained on the seat with the lap portion of the lap/shoulder belt.

Points to remember

Studies have shown that installing a child restraint on a rear seat is much safer than installing one to the front passenger seat.

- Choose a child restraint system appropriate to the age and size of the child.
- For installation details, follow the instructions provided with the child restraint system.
 General installation instructions are provided in this manual.

(→P. 121)

- If child restraint system regulations exist in the country where you reside, please contact your Toyota dealer for the child restraint system installation.
- Toyota recommends that you use a child restraint system which conforms to the regulation ECE No.44.

Types of child restraints

Child restraint systems are classified into the following 5 groups according to the regulation ECE No.44:

Group 0: Up to 10 kg (22 lb.) (0 - 9 months)

Group 0⁺: Up to 13 kg (28 lb.) (0 - 2 years)

Group I: 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)

Group II: 15 to 25 kg (34 to 55 lb.) (4 years - 7 years)

Group III: 22 to 36 kg (49 to 79 lb.) (6 years - 12 years)

In this owner's manual, the following 3 types of popular child restraint systems that can be secured with the seat belts are explained:

► Baby seat (infant seat)



Equal to Group 0 and 0^+ of ECE No.44

Child seat (convertible seat)



Equal to Group 0⁺ and I of ECE No.44

► Junior seat (booster seat)



Equal to Group II and III of ECE No.44



Child restraint system suitability for various seating positions

Information provided in the table shows your child restraint system suitability for various seating positions.

Seating Mass position	Front passenger seat	Rear seat	
groups		Outside	Center
0 Up to 10 kg (22 lb.) (0 - 9 months)	X Never put	U	UF
0 ⁺ Up to 13 kg (28 lb.) (0 - 2 years)	X Never put	U	UF
l 9 to 18 kg (20 to 39 lb.)	Rear-facing- X Never put	U	UF
(9 months - 4 years)	Forward-facing- UF [*]		
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)	UF [*]	U	UF

Key of letters inserted in the above table:

- U: Suitable for "universal" category child restraint system approved for the use in this mass group.
- UF: Suitable for forward-facing "universal" category child restraint system approved for the use in this mass group.
- X: Not suitable seat position for children in this mass group.
- *: Move the seatback to the most upright position.

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

Other child restraint systems different from the systems mentioned in the table can be used, but the suitability of the systems must be carefully checked with the child restraint system manufacturer and retailer.

Child restraint system suitability for various seating positions (with ISOFIX rigid anchor)

Information provided in the table shows your child restraint system suitability for various seating positions.

Mass groups	Size class	Fixture	Vehicle ISOFIX positions
			Rear seat
			Outside
	F	ISO/L1	Х
Carrycot	G	ISO/L2	Х
		(1)	Х
0 Up to 10 kg (22 lb.) (0 - 9 months)	E	ISO/R1	Х
		(1)	Х
	E	ISO/R1	Х
0^+	D	ISO/R2	Х
Up to 13 kg (28 lb.) (0 - 2 years)	С	ISO/R3	Х
		(1)	Х
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	D	ISO/R2	Х
	С	ISO/R3	Х
	В	ISO/F2	IUF
	B1	ISO/F2X	IUF
	А	ISO/F3	IUF
		(1)	Х
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)		(1)	х

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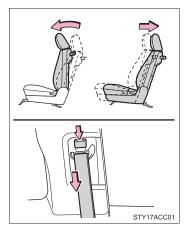
(1) For the child restraint system which do not carry the ISO/XX size class identification (A to G), for the applicable mass group, the car manufacturer shall indicate the vehicle specific ISOFIX child restraint system(s) recommended for each position.

Key of letters inserted in the above table:

- IUF: Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this mass group.
- X: ISOFIX position not suitable for ISOFIX child restraint systems in this mass group and/or this size class.

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

Other child restraint systems different from the systems mentioned in the table can be used, but the suitability of the systems must be carefully checked with the child restraint system manufacturer and retailer.



When installing the child restraint system on the front passenger seat

When you have to use a child restraint system on the front passenger seat, adjust the following:

- The seatback to the most upright position
- The seat cushion to the fully rearward position
- The seat belt height to the lowest position

Selecting an appropriate child restraint system

- Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.
- If the child is too large for a child restraint system, sit the child on a rear seat and use the vehicle's seat belt. (→P. 75)

A CAUTION

Using a child restraint system

The use of a child restraint system not suitable for the vehicle may not properly secure the infant or child. It may result in death or serious injury (in the event of sudden braking or an accident).

- Child restraint precautions
 - For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system depending on the age and size of the child. Holding a child in your arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield, or between you and the vehicle's interior.
 - Toyota strongly urges the use of a proper child restraint system that conforms to the 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.
 - Never install a rear-facing child restraint system on the front passenger seat.
 - In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child if the rear-facing child restraint system is installed on the front passenger seat.
 - A forward-facing child restraint system should allowed to be installed on the front passenger seat only when it is unavoidable. Always move the seat as far back as possible, because the front passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.

CAUTION

Child restraint precautions

- Vehicles with side airbags and curtain shield airbags: Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front and rear pillars or roof side rail from which the side airbags or curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.
- Make sure you have complied with all installation instructions provided by the child restraint manufacturer and that the system is properly secured. If it is not secured properly, it may cause death or serious injury to the child in the event of sudden braking, sudden swerving or an accident.

When children are in the vehicle

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.

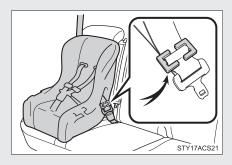
If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.

When the child restraint system is not in use

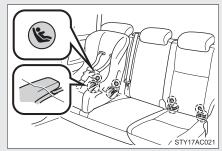
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the restraint unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the luggage compartment. This will prevent it from injuring passengers in the event of sudden braking, sudden swerving or an accident.

1-7. Safety information Installing child restraints

Follow the child restraint system manufacturer's instructions. Firmly secure child restraints to the rear seats using a seat belt or ISOFIX rigid anchors. Attach the top strap when installing a child restraint.



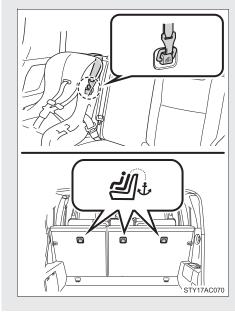
Seat belts (An ELR belt requires a locking clip)



ISOFIX rigid anchors (ISOFIX child restraint system)

These exclusive fixing bars are provided for the rear outside seats. (Buttons displaying the location of the anchors are attached to the seats.)

1-7. Safety information

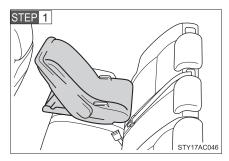


Anchor bracket (for top strap)

Anchor brackets are provided for all rear seats.

Installing child restraints using a seat belt

Rear facing — Baby seat (Infant seat)/child seat (Convertible seat)

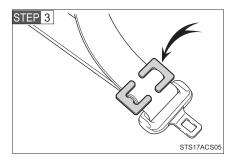


Place the child seat on the rear seat facing the rear of the vehicle.

Before driving



Run the seat belt through the child seat and insert the plate into the buckle. Make sure that the belt is not twisted.

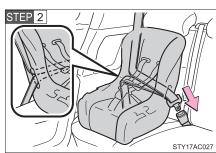


Install a locking clip near the tab of the lap and shoulder belt by inserting the lap and shoulder webbing through the recesses of the locking clip.

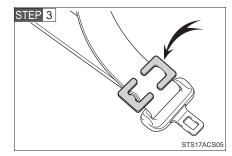


Forward facing — Child seat (convertible seat)

Place the child seat on the seat facing the front of the vehicle.

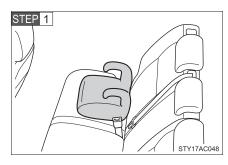


Run the seat belt through the child seat and insert the plate into the buckle. Make sure that the belt is not twisted.



Install a locking clip near the tab of the lap and shoulder belt by inserting the lap and shoulder webbing through the recesses of the locking clip.

Junior seat (booster seat)





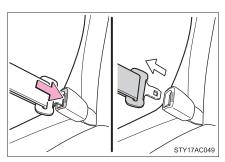
Place the junior seat (booster seat) on the seat facing the front of the vehicle.

1 Before driving

Sit the child in the junior seat (booster seat). Fit the seat belt to the junior seat (booster seat) according to the manufacturer's instructions and insert the plate into the buckle. Make sure that the belt is not twisted.

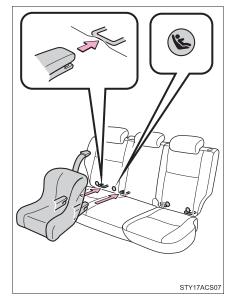
Check that the shoulder belt is correctly positioned over the child's shoulder, and that the lap belt is as low as possible. $(\rightarrow P. 75)$

Removing a child restraint installed with a seat belt



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

Installation with ISOFIX rigid anchor (ISOFIX child restraint system)



STEP 1 Widen the gap between the seat cushion and seatback slightly.

STEP 2 Latch the buckles onto the exclusive fixing bars.

If the child restraint has a top strap, the top strap should be latched onto the anchor bracket.

Child restraint systems with a top strap



STEP 2

Secure the child restraint using a seat belt or ISOFIX rigid anchors and remove the head restraint.

1 Before driving

Raise the anchor bracket, latch the hook onto the anchor bracket and tighten the top strap.

Make sure the top strap is securely latched.



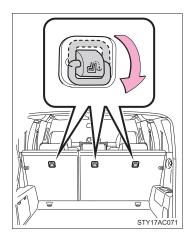
Reinstall the head restraint.

When installing a child restraint system

You 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)

When the anchor bracket is not in use



Lower the anchor bracket.

The anchor bracket is only designed to secure the top strap. Do not use the anchor bracket for any other purpose.

When installing a child restraint system

Follow the directions given in the child restraint system installation manual and fix the child restraint system securely in place.

If the child restraint system is not correctly 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 driver's seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the righthand 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.
- Only put a forward facing or junior (booster) child seat on the front seat when unavoidable. When installing a forward facing or junior (booster) child seat 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).





CAUTION

When installing a child restraint system

- Ensure that the belt and tab are securely locked and the seat belt is not twisted.
- Push and pull the child restraint system in different directions to be sure it is secure.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.

To correctly attach a child restraint system to the anchors

When using the ISOFIX rigid anchors, be sure that there are no foreign objects around the anchors and that the seat belt is not caught behind the child restraint. Make sure the child restraint system is securely attached, or it may cause death or serious injury to the child or other passengers in the event of sudden braking, sudden swerving or an accident. 1 Before driving

1-7. Safety information

When driving

2

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2-1. Driving procedures **Driving the vehicle**

The following procedures should be observed to ensure safe driving.

Starting the engine (\rightarrow P. 144)

Driving

- STEP 1 With the brake pedal depressed, shift the shift lever to D. $(\rightarrow P. 147)$
- STEP 2 Release the parking brake. (\rightarrow P. 153)
- STEP 3 Gradually release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

Stopping

- STEP 1 With the shift lever in D, depress the brake pedal.
- STEP 2 If necessary, set the parking brake.

When the vehicle is stopped for an extended period of time, shift the shift lever to P or N. (\rightarrow P. 147)

Parking the vehicle

STEP 1 With the shift lever in D, depress the brake pedal.

- STEP 2 Set the parking brake (\rightarrow P. 153), and shift the shift lever to P (\rightarrow P. 147).
 - When parking on a hill, if necessary, block the wheels.
- STEP 3 Turn the engine switch off to stop the engine.
- STEP 4 Lock the door, making sure that you have the key on your person.

Starting on a steep uphill

- STEP 1 With the brake pedal depressed, firmly set the parking brake and shift the shift lever to D.
- STEP 2 Gently depress the accelerator pedal.
- STEP 3 Release the parking brake.

Driving in the rain

- Drive carefully when it is raining, because visibility will be reduced, the windows may become fogged-up, and the road will be slippery.
- Drive carefully when it starts to rain, because the road surface will be especially slippery.
- Refrain from high speeds when driving on an expressway in the rain, because there may be a layer of water between the tires and the road surface, preventing the steering and brakes from operating properly.

Engine speed while driving

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

Breaking in your new Toyota

To extend the life of the vehicle, the following precautions are recommended to observe:

- For the first 300 km (200 miles): Avoid sudden stops.
- For the first 800 km (500 miles): Do not tow a trailer.
- For the first 1600 km (1000 miles):
 - Do not drive at extremely high speeds.
 - · Avoid sudden acceleration.
 - Do not drive continuously in the low gears.
 - Do not drive at a constant speed for extended periods.

Drum-in disc type parking brake system

Your vehicle has a drum-in-disc type parking brake system. This type of brake system needs bedding-down of the brake shoes periodically or whenever the parking brake shoes and/or drum are replaced. Have your Toyota dealer perform the bedding down operation.

Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (\rightarrow P. 526)

When turning off the engine (For vehicles sold in Republic of Chile)

The emission system operating sounds may continue for a short time after the engine is turned off. This is not a malfunction, and helps to ensure optimal performance of the emission system.

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 that could result in death or serious injury.
 - When backing up, you may twist your body around, leading to 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, allowing 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, which could lead to an accident that could result in death or serious injury.
- Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. This may cause a fire if there is any flammable material nearby.
- Do not let the vehicle roll backwards 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.

2-1. Driving procedures

CAUTION When driving the vehicle If the smell of exhaust is noticed inside the vehicle, open the windows and check that the back door and glass hatch are closed. Large amounts of exhaust in the vehicle can cause driver drowsiness and an accident, resulting in death or a serious health hazard. Have the vehicle inspected by your Toyota dealer immediately. • 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. During normal driving, do not turn off the engine. Turning the engine off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so. However, in the event of an emergency, such as if it becomes impossible to stop the vehicle in the normal way: $\rightarrow P.518$ • Use engine braking (downshift) to maintain a safe speed when driving down a steep hill. Using the brakes continuously may cause the brakes to overheat and lose effectiveness. (\rightarrow P. 148) •When stopped on an inclined surface, use the brake pedal and parking brake to prevent the vehicle from rolling backward or forward and causing an accident that could result in death or serious injury.

When driving the vehicle

- 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 that can cause accidents that may result in death or serious injury.
- Always check that all passengers' arms, heads or other parts of their bodies are not outside the vehicle, as this may result in death or serious injury.

When driving on slippery road surfaces

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle, resulting in an accident.
- Sudden changes in engine speed, such as engine braking caused by upshifting or down-shifting, may cause the vehicle to skid, resulting in an accident that could result in death or serious injury.
- 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, which could lead to an accident that could result in death or serious injury.

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 and result in death or serious injury.

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, and may cause an accident that could result in death or serious injury.

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 check that exhaust fumes do not enter the vehicle interior.

2-1. Driving procedures

CAUTION

When the vehicle is stopped

- In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while the engine is running, and apply the parking brake as necessary.
- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.
- Avoid revving or racing the engine. Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

When the vehicle is parked

 Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun.

Doing so may result in the following.

- Gas may leak from a cigarette lighter or spray can, and may lead to a fire.
- The temperature inside the vehicle may cause the plastic lenses and plastic material of eye glasses to deform or crack.
- Soft drink cans may rupture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components.
- Always apply the parking brake, shift the shift lever to P, stop the engine and lock the vehicle.

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

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

- Do not touch the exhaust pipe while the engine is running or immediately after turning the engine off.
 Doing so may cause burns.
- 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. This may lead to death or a serious health hazard.

Exhaust gases

Exhaust gases include harmful carbon monoxide (CO) that is colorless and odorless. Inhaling exhaust gases may lead to death or a serious health hazard.

- If the vehicle is in a poorly ventilated area, stop the engine. In a closed area, such as garage, exhaust gases may collect and enter the vehicle. This may lead to death or a serious health hazard.
- The exhaust should be checked occasionally. 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. Failure to do so may allow exhaust gases to enter the vehicle, resulting in death or a serious health hazard.

When taking a nap in the vehicle

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

When braking the vehicle

- When the brakes are wet, drive more cautiously.
 Braking distance increases when the brakes are wet, and 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.

2-1. Driving procedures

CAUTION

When braking the vehicle

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 braking distance becomes longer.

Have your brakes fixed immediately.

When driving the vehicle

- Do not depress the accelerator and brake pedals at the same time during driving, as this may restrain driving torque.
- Do not use the accelerator pedal or depress the accelerator and brake pedals at the same time to hold the vehicle on a hill.

When parking the vehicle

Always set the parking brake, and shift the shift lever to P. Failure to do so may cause the vehicle to move or the vehicle may accelerate suddenly if the accelerator pedal is accidentally depressed.

To avoid damage to vehicle parts

 Do not turn the steering wheel fully in either direction and hold it there for a long 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.

NOTICE

If you hear a squealing or scraping noise while driving (brake pad wear limit indicators)

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

The rotor damage can 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 that of the brake discs are exceeded.

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 press the brake pedal to slow down the vehicle.

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

Replace a flat tire with a new one. (\rightarrow P. 495)

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.

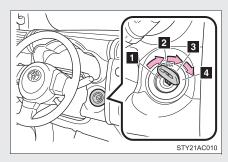
- Engine stalling
- Short in electrical components
- Engine damage caused by water immersion

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.

2-1. Driving procedures Engine (ignition) switch

Engine switch



1 LOCK

The steering wheel is locked and the key can be removed. (The key can be removed only when the shift lever is in P.)

2 ACC

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

3 ON

All electrical components can be used.

4 START

For starting the engine.

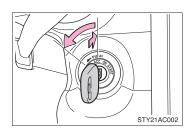
Starting the engine

STEP 1 Check that the parking brake is set.

STEP 2 Check that the shift lever is set in P.

- STEP 3 Sit in the driver's seat and firmly depress the brake pedal.
- STEP 4 Turn the engine switch to the START position and start the engine.

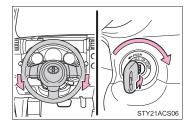
Turning the key from ACC to LOCK



STEP 1 Shift the shift lever to P. $(\rightarrow P. 147)$

STEP 2 Push in the key and turn to the LOCK position.

Steering lock release



When starting the engine, the engine switch may seem stuck in the LOCK position. To free it, turn the key while turning the steering wheel slightly in either direction.

If the engine does not start

The engine immobilizer system may not have been deactivated. (\rightarrow P. 96)

Key reminder function

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

When driving

2-1. Driving procedures

CAUTION

When starting the engine

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

Caution while driving

Do not turn the engine switch to the LOCK position. If in an emergency, you must turn the engine off while the vehicle is moving, turn the engine switch only to the ACC position.

To prevent battery discharge

Do not leave the engine switch in the ACC or ON position for long periods if the engine is not running.

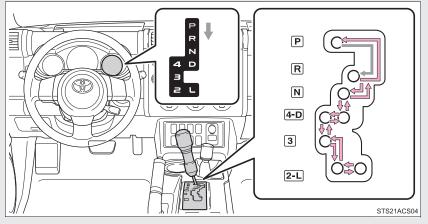
When starting the engine

- Do not crank for more than 30 seconds at a time. This may overheat the starter and wiring systems.
- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have the engine checked immediately.

2-1. Driving procedures Automatic transmission

Select a shift position appropriate for the driving conditions.

Shifting the shift lever



While the engine switch is on, depress the brake pedal and move the shift lever.

Shift position uses

Shift position	Function	
Р	Parking the vehicle or starting the engine	
R	Reversing	
N	Neutral	
D	Normal driving*	
4	Position for engine braking	
3, 2	Position for more powerful engine braking	
L	Position for maximum engine braking	

*: To improve fuel consumption and reduce noises, set the shift lever in D for normal driving.

Downshifting restrictions

The shift lever cannot be downshifted if the following speeds are exceeded.

Downshifting	Transfer position	Maximum speed km/h (mph)
$4 \rightarrow 3$	H2 and H4	145 (90)
ч 7 0	L4	55 (34)
$3 \rightarrow 2$	H2 and H4	95 (59)
	L4	35 (22)
$2 \rightarrow L$	H2 and H4	40 (25)
	L4	15 (9)

When driving with the cruise control system (if equipped)

The engine brake will not operate when downshifting from D to 4.(\rightarrow P. 176)

Shift lock system

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

The shift lever can be shifted from P only when the engine switch is in the ON position and the brake pedal is being depressed.

If the shift lever cannot be shifted from P

First, check whether the brake pedal is being depressed.

If the shift lever cannot be shifted with your foot on the brake, 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.

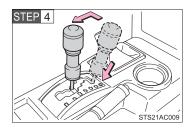
Releasing the shift lock:

STEP 1 Set the parking brake.

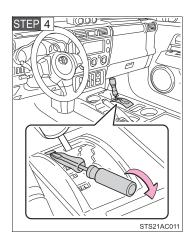
STEP 2 Turn the engine switch to the LOCK position.

STEP 3 Depress the brake pedal.

Right-hand drive vehicles



► Left-hand drive vehicles



STEP 5

The shift lever can be shifted while

Press the shift lock override button.

the button is pressed.

Pry the cover up with a flathead screwdriver or equivalent. When driving

Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

AI-SHIFT

The AI-SHIFT automatically shifts the gear to the suitable position according to the driver performance and driving conditions.

The AI-SHIFT automatically operates when the shift lever is in D.

CAUTION

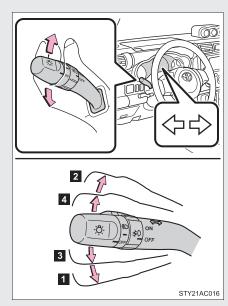
To prevent an accident when releasing the shift lock

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.

2-1. Driving procedures Turn signal lever

► Left-hand drive vehicles



► Right-hand drive vehicles

1 Left turn

2 Right turn

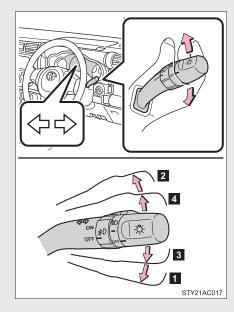
Move and hold the lever partway to signal a lane change.

The left hand signal will flash until you release the lever.

4 Move and hold the lever partway to signal a lane change.

The right hand signal will flash until you release the lever.

When driving



1 Right turn

2 Left turn

Move and hold the lever partway to signal a lane change.

The right hand signal will flash until you release the lever.

4 Move and hold the lever partway to signal a lane change.

The left hand signal will flash until you release the lever.

Turn signals can be operated when

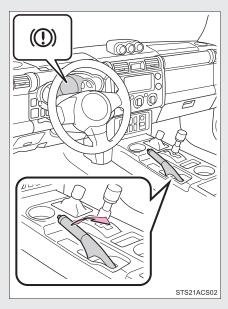
The engine switch is in the ON position.

If the indicators flash faster than usual

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

2-1. Driving procedures Parking brake

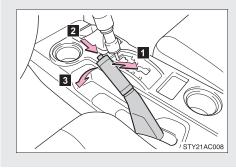
Set the parking brake



Fully set the parking brake while depressing the brake pedal.

At this time, the indicator will come on.

Release the parking brake



Slightly raise the lever
 Press the button
 Lower it completely

2-1. Driving procedures

Parking the vehicle

→P. 134

Usage in winter time

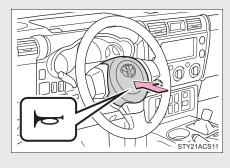
See "Winter driving tips" for parking brake usage in winter time. (\rightarrow P. 223)

Before driving

Fully release the parking brake.

Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear.

2-1. Driving procedures **Horn**

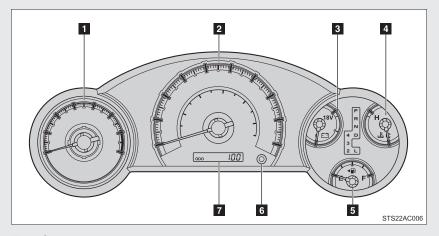


To sound the horn, press on or close to the mark.

After adjusting the steering wheel

Make sure that the steering wheel is securely locked. The horn may not sound if the steering wheel is not securely locked. (\rightarrow P. 80)

2-2. Instrument cluster Gauges and meters



The following gauges, meters and displays illuminate when the engine switch is in the ON position.

1 Tachometer

Displays the engine speed in revolutions per minute.

2 Speedometer

Displays the vehicle speed.

3 Voltmeter

Displays the charge state.

4 Engine coolant temperature gauge

Displays the engine coolant temperature.

5 Fuel gauge

Displays the quantity of fuel remaining in the tank.

6 Odometer/trip meter switching and trip meter resetting button

Switches between odometer and trip meter displays. Pushing and holding the button will reset the trip meter when the trip meter is being displayed.

When driving

7 Odometer/trip meter

Odometer:

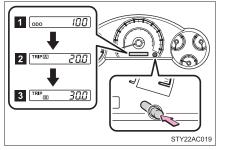
Displays the total distance the vehicle has been driven.

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.

Odometer and trip meter display button

Pressing this button switches between odometer and trip meter displays.



1 Odometer

2 Trip meter A*

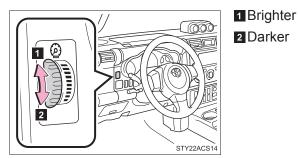
3 Trip meter B*

*: Pushing and holding the button will reset the trip meter.

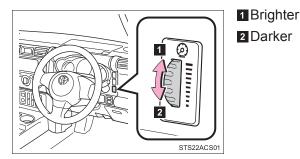
Instrument cluster light control

The brightness of the instrument cluster lights can be adjusted.

Left-hand drive vehicles (if equipped)



► Right-hand drive vehicles



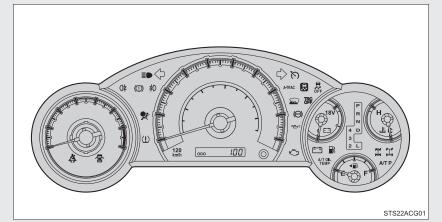
To prevent damage to the engine and its components

- 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 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. 513)

2-2. Instrument cluster Indicators and warning lights

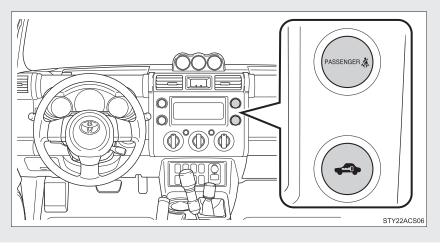
The indicator and warning lights on the instrument cluster and center panel inform the driver of the status of the vehicle's various systems.

► Instrument cluster



2 When driving

► Center panel



Indicators

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

 $\mathbf{\tilde{(})}$

(if equipped) *1,2

22

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A-TRAC

(if equipped)

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*1



Turn signal indicator (→P. 151)



Headlight high beam indicator (\rightarrow P. 165)



Front fog light indicator (→P. 168)



Rear fog light indicator (→P. 169)



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Security indicator (→P. 96)

range indicators

(→P. 147)

Shift position and shift



Four-wheel drive



indicator(\rightarrow P. 199)

system indicator



Rear differential lock indicator (\rightarrow P. 205)

Cruise control indicator

(→P. 176)

(→P. 213)

(→P. 202)

Slip indicator

(→P. 203, 208, 212)

VSC OFF indicator

Active traction control



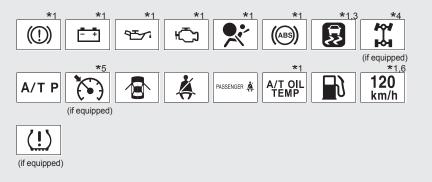
TRC OFF indicator (→P. 213)



Crawl Control indicator (→P. 208)

Warning lights

Warning lights inform the driver of malfunctions in any of the vehicle's systems. (\rightarrow P. 485)



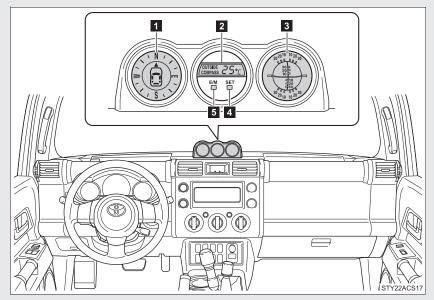
- *1: These lights turn on when the engine switch is turned to the ON position to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or if the lights do not turn off. Have the vehicle inspected by your Toyota dealer.
- *2: The indicator flashes to indicate that the system is operating.
- *³: The indicator comes on to indicate a malfunction.
- *4: The indicator flashes rapidly to indicate a malfunction.
- *5: The light flashes to indicate a malfunction.
- *6: For G.C.C. countries*7, Republic of Yemen, Jordan, Lebanon, Syrian Arab Republic and Republic of the Philippines
- *7: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

A CAUTION

If a safety system warning light does not come on

Should a safety system light such as ABS and the SRS airbag 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.

2-2. Instrument cluster Accessory meter*



1 Compass

Displays the direction that the vehicle is heading. (\rightarrow P. 376)

2 Outside temperature

Displays the outside air temperature. (\rightarrow P. 363)

3 Clinometer

Displays the longitudinal and lateral inclination of the vehicle.

4 SET button

This button is used to calibrate the compass. (\rightarrow P. 378)

5 E/M button

Outside temperature mode: Switch the outside air temperature display between °C (Celsius) and °F (Fahrenheit) by pressing this button quickly. (\rightarrow P. 363)

Compass mode:

Select the zone number by pressing this button. (\rightarrow P. 378)

*: If equipped

2-2. Instrument cluster



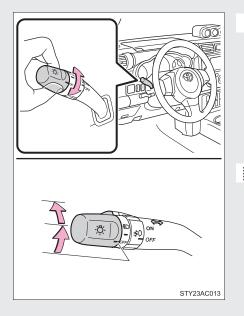
Caution while driving

Do not adjust the display.

Doing so may cause the driver to mishandle the vehicle and cause an accident, resulting in death or serious injury.

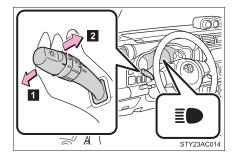
2-3. Operating the lights and wipers Headlight switch

The headlights can be operated manually.



- The side marker (if equipped), front position, tail, license plate, outside rear view mirror illumination (if equipped) and instrument panel lights turn on.
- The headlights and all lights listed above turn on.

Turning on the high beam headlights



With the headlights on, push the lever forward to turn on the high beams.

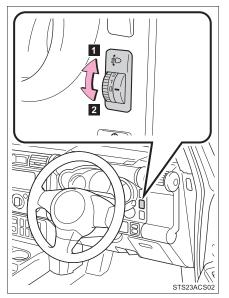
Pull the lever back to the center position to turn the high beams off.

Pull the lever toward you to turn on the high beams.

Release the lever to turn them off. You can flash the high beams with the headlights on or off.

Headlight leveling dial (right-hand drive vehicles only)

The level of the headlights can be adjusted according to the number of passengers and the loading condition of the vehicle.



- Raises the level of the headlights
- 2 Lowers the level of the headlights

Guide to dial settings

Loading condition	Dial position
Driver only.	0
Driver + One passenger in the front seat.	0
All passengers.	1
All passengers + Full luggage loading to the luggage room.	2
Driver + Full-luggage loading to the luggage room.	2

Automatic light off system

The headlights and tail lights turn off automatically with the engine switch turned to the ACC or LOCK position and the driver's door is opened.

To turn the lights on again, turn the engine switch to the ON position, or turn the headlight switch off once and then back to the - or \equiv position.

To prevent battery discharge

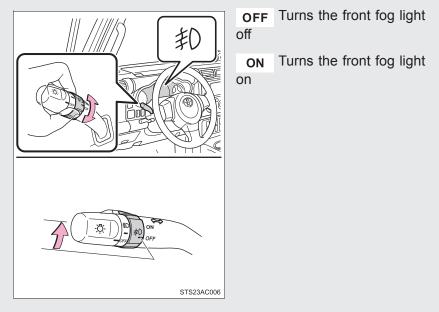
Do not leave the lights on longer than necessary when the engine is not running.

2 When driving

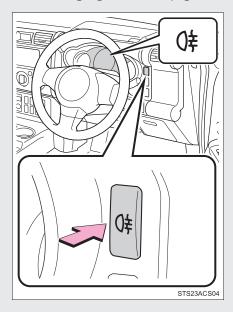
2-3. Operating the lights and wipers Fog light switch

The fog lights secure excellent visibility in difficult driving conditions, such as in rain and fog.

Front fog light switch (if equipped)



2-3. Operating the lights and wipers



Rear fog light switch (right-hand drive vehicles)

Press the rear fog light switch.

The rear fog light indicator will come on.

Press the switch again to turn the rear fog lights off.

Rear fog lights (right-hand drive vehicles)

The rear fog lights are used to warn other drivers of the presence of your vehicle when visibility is bad, such as in rain or fog.

Do not use the rear fog lights when visibility is good because they may disturb drivers behind you.

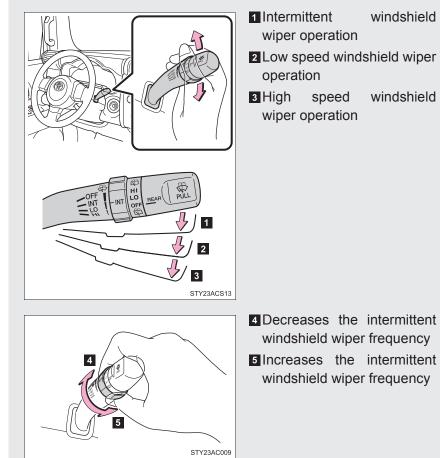
Fog lights can be operated when

- Front fog lights (if equipped) The headlights or the front position lights are turned on.
- Rear fog lights (right-hand drive vehicles)
- The rear fog lights will remain on if the headlights are turned off and the front position lights remain on. They will go off automatically when the headlight switch is turned off.
- The rear fog lights cannot be turned on when only the front position lights are on.
- After the headlight switch is turned off, the rear fog lights will not come on even if you turn on the headlight switch again.
- To turn on the rear fog lights again, press the switch under the conditions stated above.

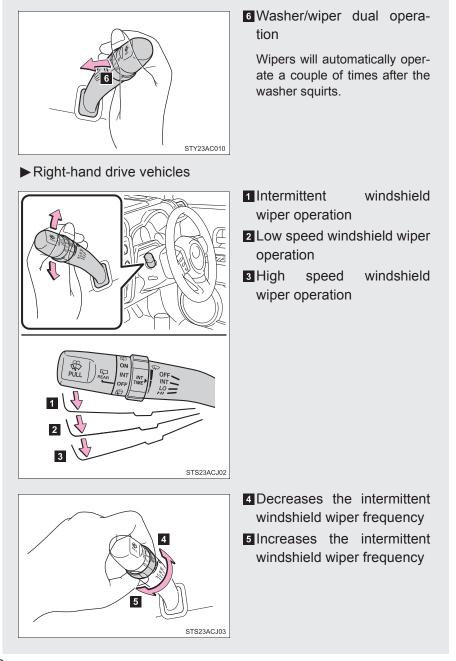
2-3. Operating the lights and wipers Windshield wipers and washer

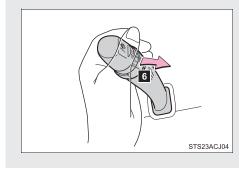
Wiper intervals can be adjusted for intermittent operation (when INT is selected).

► Left-hand drive vehicles



2-3. Operating the lights and wipers





Washer/wiper dual operation

Wipers will automatically operate a couple of times after the washer squirts.

The windshield wiper and washer can be operated when

The engine switch must be in the ON position.

If no windshield washer fluid sprays

Check that the washer nozzles are not blocked and if there is washer fluid in the windshield washer fluid reservoir.

NOTICE

When the windshield is dry

- Do not use the wipers, as they may damage the windshield.
- When there is no washer fluid spray from the nozzle

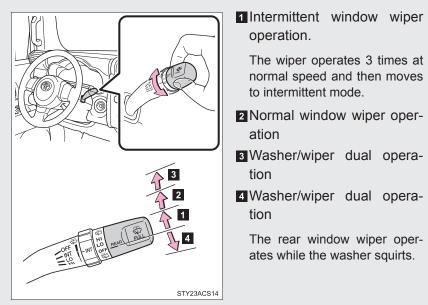
Damage to the washer fluid pump may be caused if the lever is pulled toward you and held continually.

When a nozzle becomes blocked

In this case, contact your Toyota dealer.

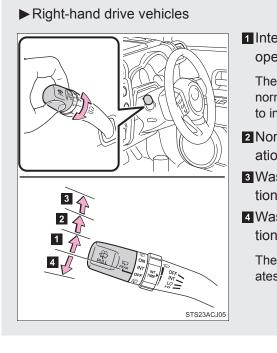
Do not try to clear it with a pin or other object. The nozzle will be damaged.

2-3. Operating the lights and wipers Rear window wiper and washer*



► Left-hand drive vehicles

*: If equipped



 Intermittent window wiper operation.

The wiper operates 3 times at normal speed and then moves to intermittent mode.

- 2 Normal window wiper operation
- 3 Washer/wiper dual operation
- Washer/wiper dual operation

The rear window wiper operates while the washer squirts. When driving

The rear window wiper and washer can be operated when

- The engine switch must be in the ON position.
- The glass hatch is closed.

When the rear window is dry

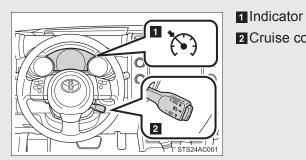
Do not use the wipers, as they may damage the rear window.

When there is no washer fluid spray from the nozzle

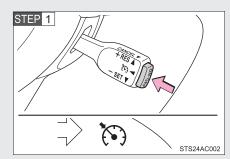
Damage to the washer fluid pump may be caused if the knob is pulled toward and held continually.

2-4. Using other driving systems **Cruise control***

Use the cruise control to maintain a set speed without depressing the accelerator pedal.



Setting the vehicle speed

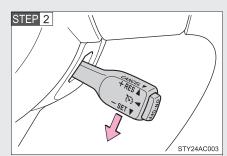


2 Cruise control switch

Press the "ON-OFF" button to activate the cruise control.

Cruise control indicator will come on.

Press the button again to deactivate the cruise control.



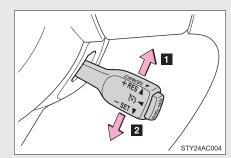
Accelerate or decelerate the vehicle to the desired speed, and push the lever down to set the speed.

The vehicle speed at the moment the lever is released becomes the set speed.

*: If equipped

Adjusting the set speed

To change the set speed, operate the lever until the desired set speed is obtained.



1 Increases the speed

2 Decreases the speed

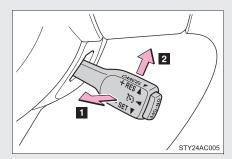
Fine adjustment: Momentarily move the lever in the desired direction.

Large adjustment: Hold the lever in the desired direction.

The set speed will be increased or decreased as follows:

Fine adjustment: By approximately 1.6 km/h (1 mph) each time the lever is operated.

Large adjustment: The set speed can be increased or decreased continually until the lever is released.



Canceling and resuming the constant speed control

 Pulling the lever toward you cancels the constant speed control.

The speed setting is also canceled when the brakes are applied.

Pushing the lever up resumes the constant speed control.

Resuming is available when the vehicle speed is more than approximately 40 km/h (25 mph).

Cruise control can be set when

• The shift lever is in the D or range 4.

Vehicle speed is above approximately 40 km/h (25 mph).

Accelerating after setting the vehicle speed

- The vehicle can be accelerated normally. After acceleration, the set speed resumes.
- Even without canceling the cruise control, the set speed can be increased by first accelerating the vehicle to the desired speed and then pushing the lever down to set the new speed.

Automatic cruise control cancelation

Cruise control will stop maintaining the vehicle speed in any of the following situations.

 Actual vehicle speed falls more than approximately 16 km/h (10 mph) below the preset vehicle speed.

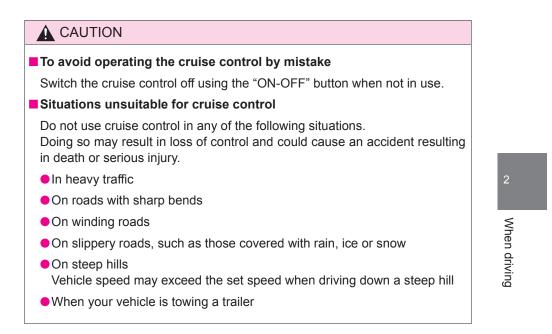
At this time, the memorized set speed is not retained.

- Actual vehicle speed is below approximately 40 km/h (25 mph).
- VSC is activated.

If the cruise control indicator light flashes

Press the "ON-OFF" button once to deactivate the system, and then press the button again to reactivate the system.

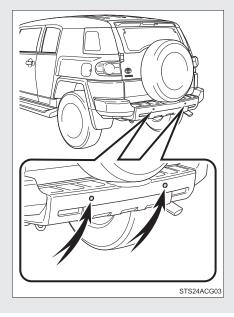
If the cruise control speed cannot be set or if the cruise control cancels immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by your Toyota dealer.



2-4. Using other driving systems Toyota parking assist-sensor*

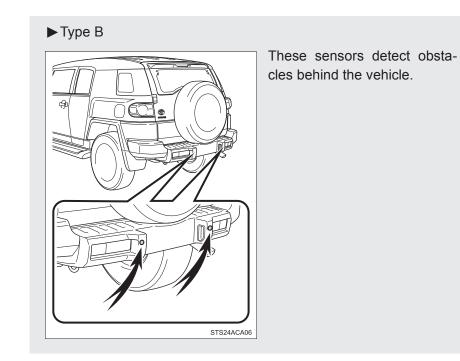
The Toyota parking assist-sensor assists the driver by communicating the distance to obstacles measured by the sensors via the buzzer when parallel parking or maneuvering into a garage. Always check the surrounding area when using this system.

- Back sensors
- ► Type A



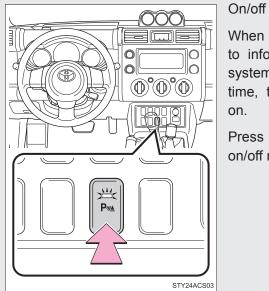
These sensors detect obstacles behind the vehicle.

*: If equipped



2 When driving

Toyota parking assist-sensor switch

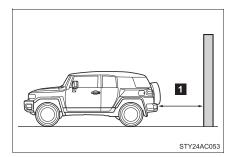


When on, the buzzer sounds to inform the driver that the system is operational. At this time, the indicator will come on.

Press the switch to switch the on/off mode.

The distance and buzzer

When a sensor detects an obstacle, the buzzer sounds.

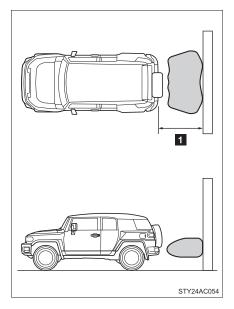


Distance shown as 1	150 to 100 cm	100 to 50 cm	50 cm
	(4.9 to 3.3 ft.)	(3.3 to 1.6 ft.)	(1.6 ft.)
Buzzer	Medium	Fast	Continuous

Sensors that operate and detection range

The following diagrams show the sensor detection range. Note that sensors may not be able to detect obstacles that are extremely close to the vehicle.

Detection range of the sensors



Approx. 150 cm (4.9 ft.)

The diagram shows the detection range of the sensors. Note that the sensors may not be able to detect obstacles that are extremely close to the vehicle.

The range of the sensors may change depending on the shape of the object etc. When driving

The Toyota parking assist system can be operated when

- The engine switch is at the ON position.
- The shift lever is in R.

Sensor detection information

- Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect an obstacle. Particular instances where this may occur are listed below.
 - There is dirt, snow or ice on a sensor.
 - A sensor is frozen.
 - A sensor is covered in any way.
 - The vehicle is leaning considerably to one side.
 - On an extremely bumpy road, on an incline, on gravel, or on grass.
 - The vicinity of the vehicle is noisy due to vehicle horns, motorcycle engines, air brakes of large vehicles, or other loud noises producing ultrasonic waves.
 - There is another vehicle equipped with parking assist sensors in the vicinity.
 - A sensor is coated with a sheet of spray or heavy rain.
 - The vehicle is equipped with a fender pole or radio antenna.
 - A bumper or sensor receives a strong impact.
 - The vehicle is approaching a tall or right-angled curb.
 - · In harsh sunlight or intense cold weather.
 - The area directly under the bumpers is not detected. Objects lower than the sensors or thin stakes etc. may be detected initially, but as they draw closer, they may cease to be detected.
 - A towing hitch is mounted to the vehicle.
 - A non-genuine Toyota suspension (lowered suspension etc.) is installed.
 - When attaching a two-way radio (RF-transmitter) antenna.
 - When the bumper is damaged.
 - A backlit license plate, license plate holder, etc., are installed.

In addition to the examples above, there are instances in which, because of their shapes, signs and other objects may be judged by a sensor to be closer than they are.

 The shape of the obstacle may prevent a sensor from detecting it. Pay particular attention to the following obstacles:

- Wires, fences, ropes, etc.
- · Cotton, snow and other materials that absorb radio waves
- · Sharply-angled objects
- Low obstacles
- Tall obstacles with upper sections projecting outwards in the direction of your vehicle
- A person near the vehicle (depending on the type of clothes worn)
- When the bumper is damaged.

CAUTION

Caution when using the Toyota parking assist-sensor

Observe the following precautions.

Failure to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

- Do not use the sensor at speeds in excess of 10 km/h (6 mph).
- Do not attach any accessories within the sensor range.

🔥 NOTICE

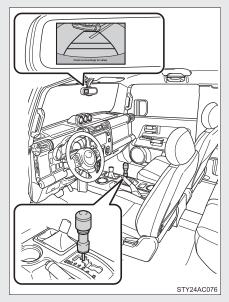
Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area. Doing so may result in the sensor malfunctioning.

2-4. Using other driving systems Rear view monitor system*

The rear view monitor system assists the driver by displaying guide lines and an image of the view behind the vehicle while backing up, for example while 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.



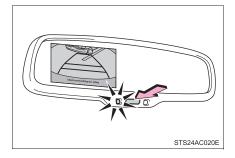
The rear view image is displayed when the shift position is in R and the engine switch is in the ON position.

*: If equipped

Switching the screen

The rear view monitor display on the inside rear view mirror can be turned on/off.

Except for South Africa



When the screen is displayed, press <u>AUTO</u> on the inside rear view mirror to switch the screen ON/OFF mode.

Screen ON mode:

Screen is displayed and green indicator comes on.

Screen OFF mode:

Screen is not displayed and amber indicator comes on.

The screen will automatically turn on again when the engine switch is turned from the LOCK position to the ON position.

► For South Africa

STEP 1 Press and hold o to display the "Custom Settings Menu".



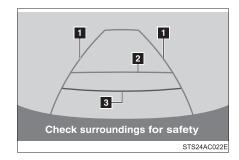
Press (b) and select "Rear View Monitor", then press and hold (b).



Press and hold <u>b</u> to turn the display on/off.

STEP 4 To leave the "Rear View Monitor Menu", select "Back to main menu" to return to the starting screen, then either select "Exit" or wait several seconds without pressing <u>o</u>.

Screen description



Guide lines are displayed on the screen.

Guide lines shown differ from those shown on the actual screen.

 Vehicle width extension guide lines (blue)

The line indicates a guide path when the vehicle is being backed straight up.

The displayed width is wider than the actual vehicle width.

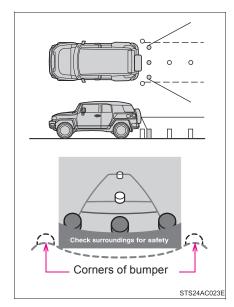
2 Distance guide line (blue)

This line indicates a position on the ground about 1 m (3 ft.) behind on the ground of the rear bumper of your vehicle.

3 Distance guide line (red)

This line indicates a position on the ground about 0.5 m (1.5 ft.) behind on the ground of the rear bumper of your vehicle.

Rear view monitor system precautions



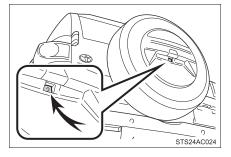
Area displayed on screen

The rear view monitor system displays an image of the view from the bumper of the rear area of the vehicle.

- The area displayed on the screen may very according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.

When driving

Rear view monitor system camera



The camera for the rear view monitor system is located to the spare wheel cover.

• Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.

Differences between the screen and the actual road

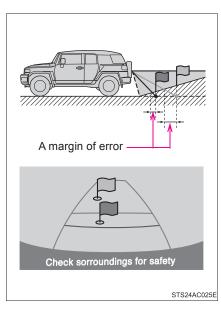
The distance guide lines and the vehicle width extension guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.

The distances between the vehicle width extension guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.

The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/ course on the road.

• When the ground behind the vehicle slopes up sharply

When the ground behind the vehicle slopes down sharply



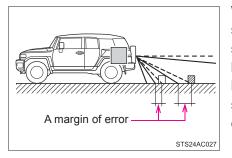
The distance guide lines will appear to be closer to the vehicle than the actual distance.

Because of this, objects will appear to be farther away 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.

A margin of error A margin of error Check sorroundings for safety

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

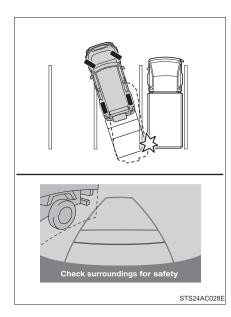


When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/ course on the road.

When approaching three-dimensional objects

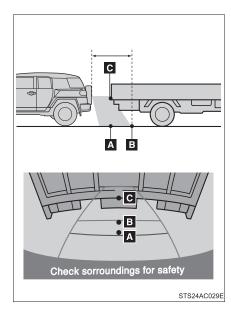
It is not possible to determine the position of three-dimensional objects (such as vehicles) using the vehicle width extension guide lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

Vehicle width extension guide lines



Visually check the surroundings and the area behind the vehicle. In the case shown in the illustration, the truck appears to be outside of the vehicle width extension guide lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the vehicle width extension guide lines. In reality if you back up as guided by the vehicle width extension guide lines, the vehicle may hit the truck.

• Distance guide lines



Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point B. However, in reality if you back up to point A, you will hit the truck. On the screen, it appears that A is closest and C is furthest away. However, in reality, the distance to A and C is the same, and B is farther than A and C.

Things you should know

If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The image is difficult to see	 The vehicle is in a dark area 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 adhering to the camera There are scratches on the camera A bright object such as a white wall is reflected in the mirror surface over the screen Sunlight or headlights are shining directly into the camera The vehicle is under fluorescent lights, sodium lights, mercury lights etc. 	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings. (Use the monitor again once con- ditions have been improved.)
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.

Symptom	Likely cause	Solution
The image is out of align- ment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Toyota dealer.
A vertical white streak is on the screen	When a bright spot (such as sunlight reflecting off the body of another vehicle) is received by the camera, a vertical streak may be left above and below the bright spot (smear effect).	Back up while visually checking the vehicle's surroundings. (Use the monitor again once con- ditions have been improved.)
The guide lines are very far out of alignment	The camera position is out of alignment.	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 used on an incline. 	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.

When using the rear view monitor system

The anti-glare function of the inside rear view mirror will be canceled.

Rear view monitor system settings

The following can be adjusted when the engine switch is in the ON position and the shift position is in R.

• To permanently disable the screen

Press and hold <u>AUTO</u> or <u>b</u> for 12 seconds or more so that the screen will change as described below and the screen will be permanently disabled.

- Press and hold <u>AUTO</u> or <u>b</u> so that the screen will turn off once, and then will turn on after approximately 6 seconds. In addition, after approximately 6 seconds, the screen will turn off again, and the indicator will turn amber.
- Even if the engine switch is turned from the LOCK position to the ON position, the screen will be not displayed.
- To enable the screen

Press AUTO or 🕑 (the indicator will turn green).

- To change the display language
- Except for South Africa

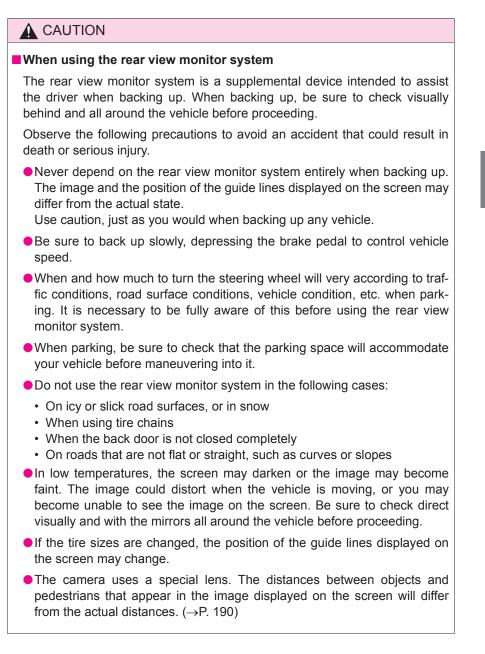
Press and hold AUTO for 6-12 seconds.

The display should enable after 6 seconds and LED should turn green. Once display is enabled after 6 seconds, push and release $\boxed{\text{AUTO}}$.

For each time you push and release $\boxed{\text{AUTO}}$, language will change. 5 seconds after the last button release, message should flash and then language is locked in.

For South Africa

(Customizable features \rightarrow P. 536)



NOTICE

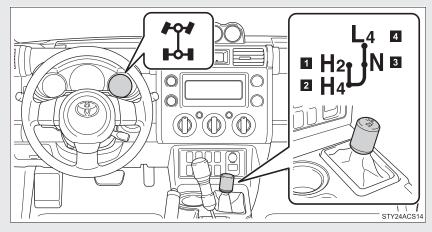
How to use the camera

- The rear view monitor system may not operate properly in the following cases.
 - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
 - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
 - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
 - Do not allow organic solvent, car wax, window cleaner or glass coat to adhere to the camera. If this happens, wipe it off as soon as possible.
 - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
 - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.

Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

2-4. Using other driving systems Four-wheel drive system

Use the front-wheel drive control lever to select the following transfer modes.



The four-wheel drive indicator comes on when the H4, N or L4 mode is selected.

1H2 (high speed position, two-wheel drive)

Use this for normal driving on dry hard-surfaced roads. This position gives greater economy, quietest ride and least wear.

2 H4 (high speed position, four-wheel drive)

Use this for driving only on tracks that permit the tires slide, like offroad, icy or snow-covered roads. This position provides greater traction than two-wheel drive.

3 N (neutral position)

No power is delivered to the wheels. The vehicle must be stopped.

4 L4 (low speed position, four-wheel drive)

Use this for maximum power and traction. Use "L4" for climbing or descending steep hills, off-road driving, and hard pulling in sand, mud or deep snow.

Shifting between H2 and H4

Reduce your speed to less than 80 km/h (50 mph) and shift the frontwheel drive control lever from H2 to H4.

If you have trouble shifting in cold weather, reduce your speed or stop the vehicle.

 If the four-wheel drive indicator does not go off when you shift from H4 to H2, drive straight ahead while accelerating or decelerating, or drive in reverse.

Shifting between H4 and L4

Stop the vehicle, shift the shift lever to N and shift the front-wheel drive control lever.

Shifting to L4

VSC is automatically turned off.

Four-wheel drive usage frequency

You should drive in four-wheel drive for at least 16 km (10 miles) each month.

This will assure that the front drive components are lubricated.

Caution while driving

 Never shift the front-wheel drive control lever from H2 to H4 if the wheels are slipping.

Stop the slipping or spinning before shifting.

- For normal driving on dry and hard surface roads, use H2 position. Driving on dry and hard surface roads in H4 or L4 position may cause drive component oil leakage, seizure, or other problems resulting in an accident. Further, it may cause tire wear and increased fuel consumption.
- Avoid turning suddenly in H4 or L4 position. If you do turn suddenly, the difference in turning speeds between the front and rear wheels may have a similar effect to braking, thus making driving difficult.
- Securely shift the front-wheel drive control lever to H4 or L4. Otherwise, the transfer may disengage both the front and rear driveshafts from the powertrain and allow the vehicle to move regardless of the shift position. If this happens, the vehicle may be free to roll even if the shift lever is in P.

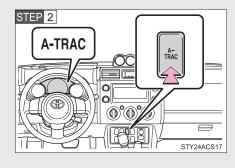
When driving

2-4. Using other driving systems Active traction control system*

The active traction control system automatically helps prevent the spinning of 4 wheels when the vehicle is started or accelerated on slippery road surfaces.

System operation

- STEP 1 Stop the vehicle, shift the shift lever to N and shift the frontwheel drive control lever into L4.
- Vehicles without overhead console

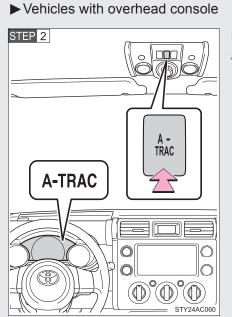


Press the A-TRAC switch to activate the system.

At this time, the active traction control system indicator will come on.

To cancel the system, push the switch again.

*: If equipped

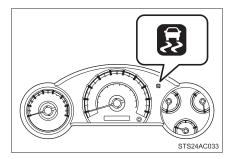


Press the A-TRAC switch to activate the system.

At this time, the active traction control system indicator will come on.

To cancel the system, push the switch again.

When the active traction control system is operating



If any of the drive wheels spins, the slip indicator flashes to indicate that the active traction control system have been engaged. When the rear differential is locked (vehicles with the rear differential lock system)

The active traction control system is activated only when the vehicle speed is less than 6 km/h (4 mph).

- Sounds and vibrations caused by the active traction 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 the system.
 - Vibrations may be felt through the vehicle body and steering. It may occur when the system is operating.

If the brake system overheats

The system will cease operation and a buzzer will sound to alert the driver. Stop the vehicle in a safe place. (There is no problem with continuing normal driving.)

CAUTION

The active traction control system may not operate effectively when

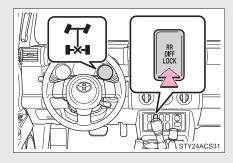
Directional control and power may not be achievable while driving on slippery road surfaces, even if the active traction control system is operating. Do not drive the vehicle in conditions where stability and power may be lost.

2-4. Using other driving systems Rear differential lock system^{*}

The rear differential lock system is provided for use only when wheel spinning occurs in a ditch or on a slippery or rugged surface.

The rear differential lock system is effective in case one of the rear wheels is spinning.

► Vehicles without overhead console

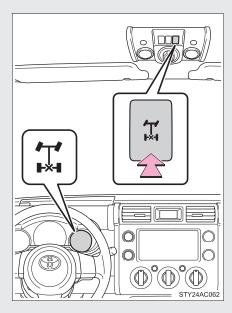


Press the RR DIFF LOCK switch to lock the rear differential.

At this time, the rear differential lock indicator will blink. Wait a few seconds for the system to complete operation. After the rear differential is locked, the indicator will stop blinking and remain on.

To unlock the rear differential, push the switch again.

*: If equipped



► Vehicles with overhead console

Press the RR DIFF LOCK switch to lock the rear differential.

At this time, the rear differential lock indicator will blink. Wait a few seconds for the system to complete operation. After the rear differential is locked, the indicator will stop blinking and remain on.

To unlock the rear differential, push the switch again.

Using the rear differential lock system

STEP 1 Before using the rear differential lock system.

Stop the vehicle, shift the shift lever to N and shift the frontwheel drive control lever into L4 to see if this is sufficient. If this has no effect, additionally use the rear differential lock system.

STEP 2 Be sure to stop the wheels.

STEP 3 Press the RR DIFF LOCK switch.

STEP 4 Gently depress the accelerator pedal.

After the rear differential is locked, the indicator will come on.

Unlock the rear differential as soon as the vehicle moves. To unlock the rear differential, push the switch again.

Locking the rear differential

 When the rear differential is locked, VSC is automatically turned off. (The rear differential lock and VSC OFF indicators will come on.)

- The following systems do not operate when the rear differential is locked. It is normal operation for the ABS warning light and VSC OFF indicator to be on at this time.
 - ABS
 - · Brake assist system
 - VSC
 - TRC

The rear differential lock is disengaged when

Shift the front-wheel drive control lever to H2 or H4.

Never forget to turn off the switch after using this feature.

After unlocking the rear differential

Check that the indicator goes off.

CAUTION

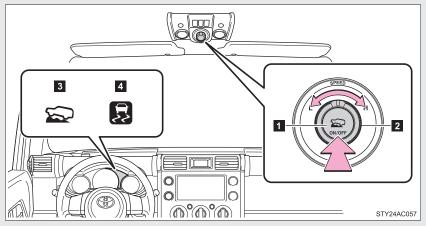
To avoid an accident

- Do not use the rear differential lock system except when wheel spinning occurs in a ditch or on a slippery or ragged surface. Large steering effort and careful cornering control will be required.
- Do not lock the rear differential until the wheels have stopped spinning. Otherwise, the vehicle may move in an unexpected direction when the differential lock is engaged, resulting in an accident. This may also lead to possible damage to rear differential lock component parts.
- Do not drive over 8 km/h (5 mph) when the rear differential is locked.
- Do not keep driving with the RR DIFF LOCK switch on.

2-4. Using other driving systems **Crawl Control**^{*}

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.

Crawl Control switch



1 "ON/OFF" switch

The Crawl Control indicator comes on and the slip indicator flashes when operating.

2 Speed selector dial

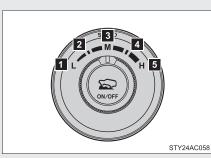
Turn the dial clockwise to increase the speed and counterclockwise to decrease the speed.

3 Crawl Control indicator

4 Slip indicator

*: If equipped

Speed modes



The following table shows some typical terrains and the recommended speed modes.

-		
Mode		Road condition
1	L (Low)	Rock, mogul (downhill) and gravel (downhill)
2	Between L and M	
		Mogul (uphill)
3	M (Medium)	
4	Between M and H	Snow, mud, gravel (uphill), sand, dirt, mogul (uphill) and grass
5	H (High)	

Crawl Control can be operated when

- The engine is running.
- The shift lever is in any position other than P or N.
- The front-wheel drive control lever is in L4.
- The driver's door is closed.

Crawl Control is temporarily canceled when

Vehicle speed exceeds 25 km/h (15 mph). The Crawl Control indicator flashes until the vehicle speed is reduced.

Automatic system cancelation

In the following situations, the system will cease operation and a buzzer will sound to alert the driver. The Crawl Control indicator will flash until the system is turned off completely.

- When the shift lever is shifted to P or N
- When the front-wheel drive control lever is shifted to H4
- When the driver's door is opened
- When the system is malfunctioning
- When the brake system overheats
 Stop the vehicle in a safe place. (There is no problem with continuing normal driving.)
- When the automatic transmission system overheats
 Stop the vehicle in a safe place until the automatic transmission fluid temperature warning light 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 indicates 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.

CAUTION When using Crawl Control • Do not overly rely on Crawl Control. This function does not extend the vehicle's performance limitations. Always check the terrain thoroughly and drive safely. • The recommended speed modes for the listed terrains (\rightarrow P. 209) are only a reference. The selected mode may not be suitable to actual off-road conditions due to factors such as the type or unevenness of the terrain or the degree of incline. Check the actual terrain thoroughly and drive safely. • After activating Crawl Control, make sure that the Crawl Control indicator comes on. If the indicator flashes, the vehicle is not under system control. Conditions under which the system may not operate correctly 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

2-4. Using other driving systems **Driving assist systems**

To help enhance driving safety and performance, the following systems operate automatically in response to various driving situations. Be aware, however, that these systems are supplementary and should not be relied upon too heavily when operating the vehicle.

ABS (Anti-lock Brake System)

Helps to prevent wheel lock when the brakes are applied suddenly, or if the brakes are applied while driving on a slippery road surface.

Brake assist

Generates an increased level of braking force after the brake pedal is depressed, when the system detects a panic stop situation.

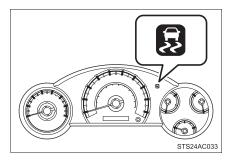
VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces.

TRC (Traction Control)

Helps to maintain drive power and prevent the drive wheels from spinning when starting the vehicle or accelerating on slippery roads.

When TRC/VSC are operating

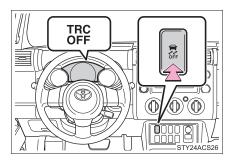


The slip indicator light will flash while the TRC/VSC systems are operating.

To disable TRC and/or VSC

If the vehicle gets stuck in fresh snow or mud, TRC and VSC may reduce power from the engine to the wheels. You may need to turn the system off to enable you to rock the vehicle in order to free it.

Turning off TRC (H4 mode)



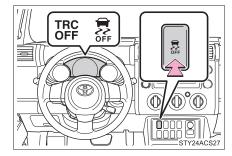
Quickly press and release the switch to turn off TRC.

The TRC OFF indicator will come on.

Push the switch again to turn the system back on.

When driving

Turning off TRC and VSC (H2 and H4 mode)



Press and hold the switch for more than 3 seconds while the vehicle is stopped to turn off TRC and VSC.

The VSC OFF and TRC OFF indicators will come on.

Push the switch again to turn both systems back on.

When the TRC OFF indicator light comes on even if the VSC OFF switch has not been pressed

TRC and Crawl Control (if equipped) systems cannot be operated. Contact your Toyota dealer.

Automatic reactivation of TRC and VSC

Turning the engine switch off after turning off the TRC and VSC systems will automatically re-enable them.

Automatic TRC and VSC reactivation

If the TRC and VSC systems are turned off, the systems will not turn on, even when vehicle speed increases.

Sounds and vibrations caused by the ABS, TRC, VSC and brake assist 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 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 after the vehicle comes to a stop.
 - The brake pedal may pulsate slightly after the ABS is activated.
 - The brake pedal may move down slightly after the ABS is activated.

If the brake system overheats

TRC will cease operation and a buzzer will sound to alert the driver. Stop the vehicle in a safe place. (There is no problem with continuing normal driving.)

■ Power steering system operation sound (for G.C.C. countries^{*}, Republic of Yemen, Jordan, Lebanon, Syrian Arab Republic and Republic of the Philippines)

When you turn the steering wheel completely, a "pip" sound (whistling sound) may be heard.

This does not indicate a malfunction.

*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

CAUTION 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 the wet or slick road. 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 roads with uneven roads When VSC is activated The slip indicator flashes. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator flashes. TRC may not operate effectively when Directional control and power may not be achievable while driving on slippery road surfaces, even if TRC is operating. Drive the vehicle carefully in conditions where stability and power may be lost. Replacing tires Make sure that all tires are of the same size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the appropriate tire pressure level. The ABS, VSC and TRC will not function correctly if different tires are fitted

on the vehicle. Contact your Toyota dealer for further information when replacing tires or

Contact your Toyota dealer for further information when replacing tires or wheels.

2-4. Using other driving systems

CAUTION

Handling of tires and suspension

Using tires with any kind of problem or modifying the suspension will affect the driving assist systems, and may cause the system to malfunction.

2-5.Driving information 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 feature

- Specific design characteristics give it a higher center of gravity than ordinary passenger cars. This vehicle design feature causes this type of vehicle to be more likely to rollover. And, utility vehicles have a significantly higher rollover rate than other types of vehicles.
- An advantage of the higher ground clearance is a better view of the road allowing you to anticipate problems.
- It is not designed for cornering at the same speeds as ordinary passenger cars any more than low-slung sports cars designed to perform satisfactorily under off-road conditions. Therefore, sharp turns at excessive speeds may cause rollover.

A CAUTION Off-road vehicle precautions Always observe the following precautions to minimize the risk of serious personal 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. •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. • 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 precautions 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.

CAUTION

Off-road driving precautions

Always observe the following precautions to minimize the risk of serious personal 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.

CAUTION

Off-road driving precautions

- 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 fasten their seat belts whenever the vehicle is moving.
- 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 river bed for firmness. Drive slowly and avoid deep water.

Inspection after off-road driving

- Sand and mud that has accumulated in brake drums and around brake discs may affect braking efficiency and may damage brake system components.
- Always perform a maintenance inspection after each day of off-road driving that has taken you through rough terrain, sand, mud, or water. For scheduled maintenance information. (→P. 393)

2-5. Driving information Cargo and luggage

Take notice of the following information about storage precautions, cargo capacity and load.

- Stow cargo and luggage in the luggage compartment whenever possible.
- Be sure all items are secured in place.
- Be careful to keep the vehicle level. Placing the weight as far forward as possible helps maintain vehicle balance.
- For better fuel economy, do not carry unnecessary weight.

CAUTION

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

- Do not place cargo or luggage in or on the following locations as the item may get under the brake or accelerator pedal and prevent the pedals from being depressed properly, block the driver's vision, or hit the driver or passengers, causing an accident.
 - · Driver's feet
 - · Front passenger or rear seats (when stacking items)
 - Instrument panel
 - Dashboard
 - · Auxiliary box or tray that has no lid

CAUTION

Storage precautions

 Do not stack anything in the luggage compartment higher than the seatbacks.

Such items may be thrown about and possibly injure people in the vehicle during sudden braking or in an accident.

- Secure all items in the occupant compartment, as they may shift and injure someone during sudden braking, sudden swerving or an accident.
- 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 injury, in the event of sudden braking, sudden swerving or an accident.

2-5. Driving information **Winter driving tips**

Carry out the necessary preparations and inspections before driving the vehicle in winter. Always drive the vehicle in a manner appropriate to the prevailing weather conditions.

Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
 - Engine oil
 - · Engine coolant
 - Washer fluid
- Have a service technician inspect the level and specific gravity of battery electrolyte.
- 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.

Before driving the vehicle

Perform the following according to the driving conditions.

- Do not try to forcibly open a window, scrape an outside rear view mirror surface or move a wiper or outside rear view mirror 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.
- Remove any ice that has accumulated on the vehicle chassis.
- Periodically check for and remove any excess ice or snow that may have accumulated in the wheel well or on the brakes.

When driving the vehicle

Accelerate the vehicle slowly and drive at a reduced speed suitable to road conditions.

When parking the vehicle

- Park the vehicle and move the shift lever to P without setting the parking brake. The parking brake may freeze up, preventing it from being released. If the vehicle is parked without setting the parking brake, make sure to block the wheels.
 Failure to do so may be dangerous because it may cause the vehicle to move unexpectedly, possibly leading to an accident.
- If the vehicle is parked without setting the parking brake, confirm that the shift lever cannot be moved out of P*.
 - *: The shift lever will be locked if it is attempted to be shifted from P to any other position without depressing the brake pedal. If the shift lever can be shifted from P, there may be a problem with the shift lock system. Have the vehicle inspected by your Toyota dealer immediately.

Regulations on the use of snow chains

- Regulations regarding the use of tire chains vary according to location and type of road. Always check local regulations before installing chains.
- Install the chains on the rear tires.
- Retighten the chains after driving 0.5 1.0 km (1/4 1/2 mile).

Snow 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 following the instructions provided in the accompanying instructions.

CAUTION

Driving with snow tires

Observe the following precautions to reduce the risk of accidents. Failing to do so may result in a loss of vehicle control and cause death or serious injury.

- Use tires of the size specified for your vehicle.
- 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.
- Snow tires should be installed on all wheels.
- Do not mix tires of different makes, models, tread patterns or treadwear.
- Driving with snow chains

Observe the following precautions to reduce the risk of accidents. Failing 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 turns and braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.

2-5. Driving information Eco-friendly driving tips

For improved fuel economy and reduced CO2 emissions, pay attention to the following points:

Accelerator pedal/brake pedal operation

Drive your vehicle smoothly. Avoid abrupt acceleration and deceleration. Gradual acceleration and deceleration will help reduce excessive fuel consumption.

When braking

Observe conditions in front of and around the vehicle, and estimate your stopping position. Release the accelerator pedal early and continue coasting. Use the brake pedal to adjust your stopping position. Make sure to operate the brake pedal gently.

Delays

Repeated acceleration and deceleration, as well as long waits at traffic lights, will lead to bad fuel economy. Check traffic reports before leaving and avoid delays as much as possible.

Highway driving

Control and maintain the vehicle at a constant speed. Before stopping at a toll booth or similar, allow plenty of time to release the accelerator pedal and gently apply the brakes.

Air conditioning

Use the air conditioning only when necessary. Doing so can help reduce excessive fuel consumption.

In summer: When the ambient temperature is high, use the recirculated air mode. Doing so will help to reduce the burden on the air conditioning system and reduce fuel consumption as well.

In winter: Turn the A/C switch on only when both heating and dehumidifying are needed, and if only heating is needed, turn the A/C switch off. Turning the A/C switch on when unnecessary leads to excessive fuel consumption.

Performing idling stops

- Avoid unnecessary idling. Stop the engine when parking the vehicle to reduce excessive fuel consumption, even it is only for a short period of time.
- Except in severe environment, such as when the outside temperature is extremely low, warming up the engine before driving is unnecessary. Rather than idling, it is more efficient to drive the vehicle gently to warm up each part while avoiding increasing the engine revolutions unnecessarily and accelerating or decelerating suddenly.

Luggage

Carrying heavy luggage will lead to poor fuel economy. Avoid carrying unnecessary luggage. Installing a large roof rack will also cause poor fuel economy.

Regular maintenance

- Make sure to check the tire inflation pressure frequently. Improper tire inflation pressure can cause poor fuel economy. Also, as snow tires can cause large amounts of friction, their use on dry roads can lead to poor fuel economy. Use tires that are appropriate for the season and road conditions.
- Use oil and fluid of the recommended quality, which affect fuel consumption and the life of the vehicle. Also, check oil and fluid periodically. (→P. 393)

2-5. Driving information Trailer towing (right-hand drive vehicles except South Africa)

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



2-5. Driving information Trailer towing (left-hand drive vehicles and South Africa)

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

To tow a trailer safely, use extreme care and drive the vehicle in accordance with the trailer's characteristics and operating conditions.

The vehicle stability and braking performance are affected by trailer stability, brake adjustment and performance, and the hitch.

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

Ask your local authorized Toyota dealer or repairer, or another duly qualified and equipped professional, for further details before towing, as there are additional legal requirements in some countries.

Weight limits

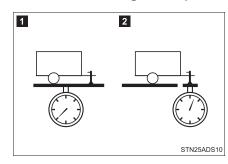
Before towing, confirm the towing capacity, GVM (Gross Vehicle Mass), MPAC (Maximum Permissible Axle Capacity), and drawbar load. (\rightarrow P. 522)

Towing a trailer

When towing a trailer, be sure to consult any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, for further information on additional requirements such as towing kits, etc.

Important points regarding trailer loads

Total trailer weight and permissible drawbar load



1 Total trailer weight

Weight of the trailer itself plus the trailer load should be within the maximum towing capacity. Exceeding this weight is dangerous. (\rightarrow P. 522)

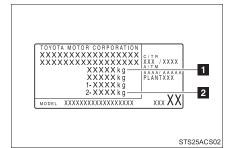
When towing a trailer, use a friction coupler or friction stabilizer (sway control device).

2 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. (\rightarrow P. 522)

Maximum drawbar load: 120 kg (264 lb.)

Information tag (manufacturer's label)



1 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.

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.

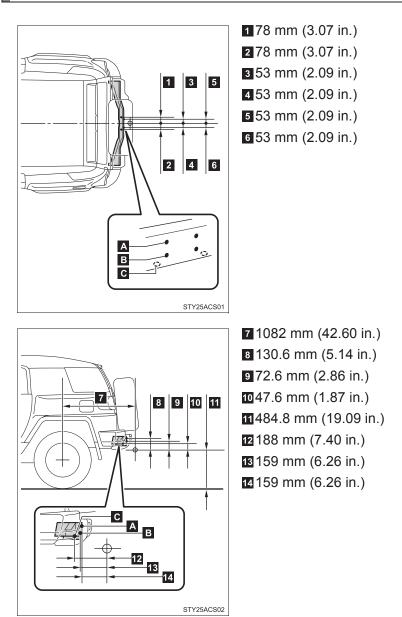
The values for towing capacity were derived from testing conducted at sea level. Take note that engine output and towing capacity will be reduced at high altitudes.

2 When driving

CAUTION

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 the lower.



Installation positions for the towing hitch/bracket and hitch ball

Hitch

- If you wish to install a trailer hitch, contact your local authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- Use only a hitch that conforms to the gross trailer weight requirement.
- Follow the directions supplied by the hitch manufacturer.
- Depending on the type of trailer coupler you use, the trailer ball may need to be coated with grease. If so, apply grease to the trailer ball in accordance with the instructions of the manufacturer of the trailer coupler.
- Remove the ball mount whenever you are not towing a trailer. After removing the ball mount, seal any mounting hole in the trailer hitch to prevent entry of any substances into the vehicle.

Connecting trailer lights

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

Tire information

- Ensure that your vehicle's tires are properly inflated. (\rightarrow P. 532)
- 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

- Ensure that all trailer lights work to be legal.
- Ensure that all trailer lights work each time you connect them.

Selecting trailer ball

- Matches the size of the trailer coupler.
- Matches the ball mount hole diameter size.
- Matches or exceeds the gross trailer weight rating of the trailer.

Safety chain

A safety chain must always be used between the towing vehicle and the trailer. Leave sufficient slack in the chain for turns. The chain should cross under the trailer tongue to prevent the tongue from dropping to the ground in the case that it becomes damaged or separated. For the correct safety chain installation procedure, ask your local authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

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).

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 the fixing bolts of the towing ball and bracket after approximately 1000 km (600 miles).

Safety checks before towing

- Check that the maximum load limit for the towing hitch/bracket and towing 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. $(\rightarrow P. 230)$
- Ensure that the trailer load is secure.
- The trailer ball is set up at the proper height for the coupler on the trailer.
- The vehicle remains level when a loaded or unloaded trailer is hitched. Do not drive if the vehicle is not level, and check for improper drawbar load, overloading, worn suspension, or other possible causes.
- 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.

Hitch

Trailer hitch assemblies have different weight capacities established by the hitch manufacturer. Even though the vehicle may be physically capable of towing a higher weight, the operator must determine the maximum weight rating of the particular hitch assembly and never exceed the maximum weight rating specified for the trailer-hitch. Exceeding the maximum weight rating set by the trailer-hitch manufacturer can cause an accident resulting in death or serious personal injuries.

Guidance

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

Checking connections between trailer and lights

Before starting out, check the trailer lights and all vehicle-trailer connections, and after driving a short distance, stop and recheck the lights and connections.

Practicing driving with a coupled trailer

- Get a feel for turning, stopping and reversing with the trailer coupled by practicing in an area with no or light traffic.
- Reversing with a trailer attached is difficult and requires practice. Grip the bottom of the steering wheel and move your hand to the left to move the trailer to the left. Move your hand to the right to move the trailer to the right. (This is generally opposite to reversing without a trailer attached.) Avoid sharp or prolonged turning. Have someone guide you when reversing to reduce the risk of an accident.

Increasing vehicle-to-vehicle distance

- As stopping distance is increased when towing a trailer, vehicleto-vehicle distance should be increased. For each 16 km/h (10 mph) of speed, allow at least one additional vehicle and trailer length.
- Avoid sudden braking as you may skid, resulting in jackknifing and loss of control. This is especially true on wet or slippery surfaces.

Sudden acceleration/steering input/cornering

- Avoid jerky starts or sudden acceleration.
- Avoid jerky steering.

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.

• Avoid sharp turns.

The trailer could hit your vehicle in a tight turn. Slow down before making a turn to avoid the necessity of sudden braking.

Important points regarding stability

Crosswinds and rough roads will adversely affect handling of your vehicle and trailer, causing sway. Periodically check the rear to prepare for being passed by large trucks or buses, which may cause your vehicle and trailer to sway. If swaying occurs, firmly grip the steering wheel, reduce speed immediately but gradually, and steer straight ahead. Never increase speed. If you make no extreme correcting with the steering or brakes, your vehicle and trailer will stabilize.

Passing other vehicles

Take care when passing other vehicles. Passing requires considerable distance. After passing a vehicle, do not forget the length of your trailer, and be sure you have plenty of room before changing lanes.

Transmission information

To maintain engine braking efficiency, when using engine braking, do not use the transmission in D.

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 and stop the vehicle in a safe place. (\rightarrow P. 513)

When parking the vehicle

- Always place wheel blocks behind both the vehicle wheels and the trailer wheels when parking. Apply the parking brake firmly, and put the transmission in P. Avoid parking on a slope, but if unavoidable, do so only after performing the following:
- STEP 1 Apply the brakes and keep them applied.
- STEP 2 Have someone place wheel blocks behind both the vehicle and trailer wheels.
- STEP 3 When the wheel blocks are in place, release the brakes slowly until the blocks absorb the load.
- STEP 4 Apply the parking brake firmly.
- STEP 5 Shift into P and turn off the engine.
- When restarting after parking on a slope:
- STEP 1 With the transmission in P, start the engine. Be sure to keep the brake pedal pressed.
- STEP 2 Shift into forward gear. If reversing, shift into R.
- STEP 3 Release the parking brake and brake pedal, and slowly pull or back away from the wheel blocks. Stop and apply the brakes.
- STEP 4 Have someone retrieve the blocks.

CAUTION

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. 230)
- To tow a trailer safely, use extreme care and drive the vehicle in accordance with the trailer's characteristics and operating conditions.
- The vehicle stability and braking performance are affected by trailer stability, brake setting and performance, and the hitch.

To avoid accident or injury

- Do not use cruise control when you are towing.
- Slow down and downshift before descending steep or long downhill grades. Do not make sudden downshifts while descending steep or long downhill grades.
- Avoid holding the brake pedal down too long or applying the brakes too frequently. This could cause the brakes to overheat and result in reduced braking efficiency.

▲ NOTICE

Do not directly splice trailer lights

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

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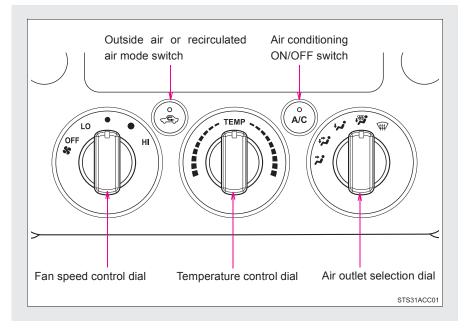
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3-1. Using the air conditioning system and defogger **Air conditioning system**



Adjusting the settings

Adjusting the temperature setting

Turn the temperature control dial clockwise (warm) or counterclockwise (cool).

If $\begin{pmatrix} \circ \\ A/C \end{pmatrix}$ is not pressed, the system will blow ambient temperature air or heated air.

Adjusting the fan speed

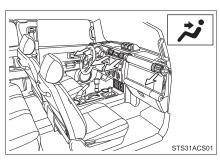
Turn the fan speed control dial clockwise (increase) or counterclockwise (decrease).

Set the dial to OFF to turn the fan off.

Selecting the air outlets

Set the air outlet selection dial to an appropriate position.

The positions between the air outlet selections shown below can also be selected for more detailed adjustment.

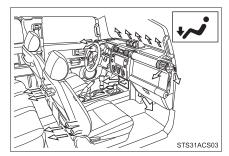


When the dial is set to ;;, air flows to the upper body.

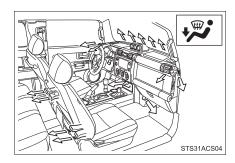
STS31ACS02

When the dial is set to ;;, air flows to the upper body and feet.

Interior features



When the dial is set to **4**, mainly air flows to the feet.



(## STS31ACS05 When the dial is set to 🐙, air flows to the feet and the windshield defogger operates.

When the dial is set to when the dial is set to when the dial is set to when the dial is set to when the dial is set to the dis flows to the windshield and side windows to defog them.

The air intake selector is automatically set to outside air mode.

To return the recirculated air

mode, press CG.



。 A/C to turn the air

conditioning on clears the windshield and side windows faster.

Switching between outside air and recirculated air modes

Press **(E**)

The mode switches between $\left(\overset{\circ}{\backsim}\right)$ (outside air mode) and $\left(\overset{*}{\textcircled{a}} \right)$

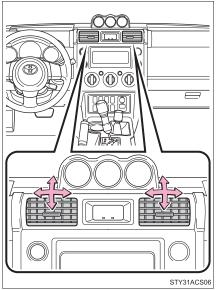
Pressing



(recirculated air mode) each time the switch is pressed.

Adjusting the position of the air outlets

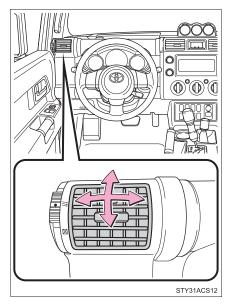
► Center outlets



Direct air flow to the left or right, up or down.

.

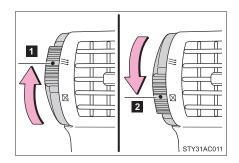
Interior features



► Right and left side outlets

Direct air flow to the left or right, up or down.

Opening and closing the right and left side outlets



Open the vent.
 Close the vent.

Using the system in recirculated air mode

The windows will fog up more easily if the recirculated air mode is used for an extended period.

When outside air temperature approaches 0°C (32°F)

The air conditioning system may not operate even when (A'C) is pressed.

When 🗱 is selected for the air outlets used

For your driving comfort, air flowing to the feet may be warmer than air flowing to the upper body depending on the position of the temperature adjustment dial.

When the indicator on (Ac) flashes (left-hand drive vehicles)

Press $\begin{pmatrix} \circ \\ {\sf A}/{\sf C} \end{pmatrix}$ and turn off the air conditioning system before turning it on

once more. There may be a problem in the air conditioning system if the indicator continues to flash. Turn the air conditioning system off and have it inspected by your Toyota dealer.

Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:

It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.

CAUTION

To prevent the windshield from fogging up

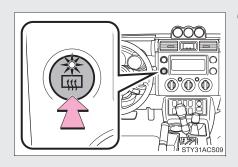
Do not set the air outlet selection dial to (\mathfrak{W}) during cool air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.

To prevent battery discharge

Do not leave the air conditioning system on longer than necessary when the engine is stopped.

3-1. Using the air conditioning system and defogger **Rear window defogger**

This feature is used to defog the rear window.



On/off

Press the button to turn on the rear window defogger. The indicator light will come on. The defogger will automatically turn off after 15 to 240 minutes. The operation time changes according to the ambient temperature and vehicle speed. Pressing the button again also turns the defogger off.

The rear window defogger can be operated when

The engine switch is in the ON position.

▲ NOTICE

To prevent battery discharge

Turn the rear window defogger off when the engine is off.

3-2. Using the audio system Audio system types^{*}

Type A: CD player with external CD changer controller and AM/FM radio

Type B: CD player with a changer and AM/FM radio

► Type A

PWR-VOL	TOYOTA BOOLGA MP3 TUNE -FILE	
SEEK TRACK	Image: Second	
AST	TEXT AM-DAB O FM DISC-AUX PTY	
		STS32ACS01



PWR·VOL	ΤΟΥΟΤΑ	MMA MP3	LOAD TUNE-SEL	
		FOLDER	PUSH MENU-ENTER	
SEEK TRACK	2 3 0 4	5 6 UBL	CH DISC	
SCAN A	I FM 0 CD	AUX	TEXT	

*: If equipped

3-2. Using the audio system

Title	Page
Using the radio	P. 253
Using the CD player	P. 259
Playing MP3 and WMA discs	P. 267
Operating an iPod	P. 276
Operating a USB memory	P. 285
Optimal use of the audio system	P. 295
Using the AUX port/USB port	P. 299
Using the steering wheel audio switches	P. 301

Using mobile phones

Interference may be heard through the audio system's speakers if a mobile phone is being used inside or close to the vehicle while the audio system is operating.

Certification

Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC

Manufacturer: **PIONEER CORPORATION** 1-1, Shin-ogura, Saiwal-ku, Kawasaki-shi, Kanagawa 212-0031, JAPAN EU Representative's: **Pioneer Europe NV** Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium/Belgique http://www.pioneer.eu

CE

Hereby, PIONEER, declares that this [*] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Interior features

CAUTION

Certification for the CD player

This product is a class 1 laser product.

- Do not open the cover of the player or attempt to repair the unit yourself. Refer servicing to qualified personnel.
- Laser power: No hazardous

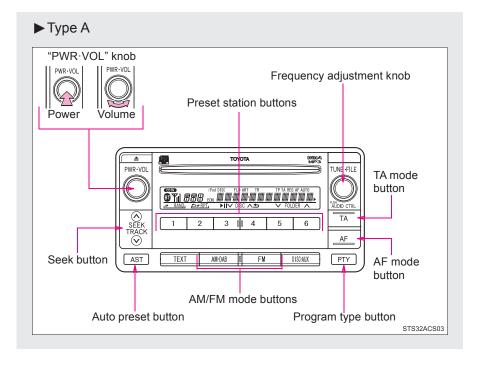
To prevent battery discharge

Do not leave the audio system on longer than necessary with the engine off.

To avoid damaging the audio system

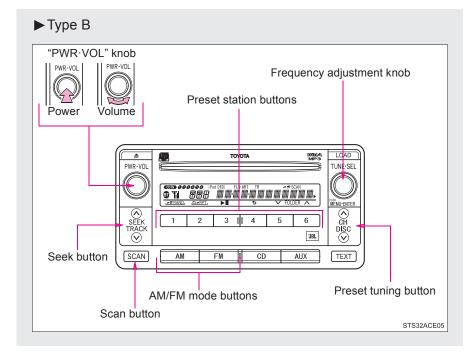
Take care not to spill drinks or other fluids over the audio system.

3-2. Using the audio system **Using the radio**^{*}





*: If equipped



or

or

Setting station presets

Manually operation

STEP 1 Search for the desired stations by turning

- STEP 2 Press and hold the button (from <u>i</u> to <u>6</u>) the station is to be set to until you hear a beep.

Automatically operation (type A)

Press and hold AST until you hear a beep.

Up to 6 stations are set in order of reception quality. When the setting is complete, 2 beeps will be heard.

In the FM1 or FM2 mode, the stations automatically set by the audio system will be set in the FM3 presets.

Scanning radio stations (type B)

Scanning the preset radio stations

STEP 1 Press and hold [SCAN] until you hear a beep.

Preset stations will be played for 5 seconds each.

STEP 2 When the desired station is reached, press the button again.

Scanning all the radio stations within range

STEP 1 Press SCAN .

All the stations with reception will be played for 5 seconds each.

STEP 2 When the desired station is reached, press the button again.

RDS (Radio Data System) (type A)

This feature allows your radio to receive station and program information (classical, news, etc.) from radio stations which broadcast this information.

Listening to stations of the same network

Press .

"AF-ON", "REG-OFF" modes: A station among those of the same network with strong reception is selected.
"AF-ON", "REG-ON" modes: A station among those of the same network with strong reception and broadcasting the same program is

Each time is pressed, the mode changes in the following order:

selected.

"AF-ON", "REG-OFF" \rightarrow "AF-ON", "REG-ON" \rightarrow "AF-OFF", "REG-OFF".

Selecting program type

Press PTY .

Each time pry is pressed, the program type changes in the following order: "NEWS" \rightarrow "SPORTS" \rightarrow "TALK" \rightarrow "POP" \rightarrow "CLASSICS".

Traffic information

Press	TA	

TP mode: The system automatically switches to traffic information when a broadcast with a traffic information signal is received.

The station returns to the previous one when the traffic information ends.

TA mode: Traffic information can be heard only when a signal is received. The system switches to the mute mode when a signal is not received. In CD or MP3/WMA mode, the system automatically switches to traffic information when a signal is received.

The audio system returns to the mute, CD or MP3/WMA mode when the traffic information ends.

Audio system mode changes as follows each time $\begin{bmatrix} TA \end{bmatrix}$ is pressed:

FM modes: "TP" \rightarrow "TA" \rightarrow off Modes other than the radio modes: "TA" \rightarrow off

Emergency broadcast reception mode

"ALARM" appears in the display in the event that an emergency broadcast is received, and the emergency broadcast is aired.

EON (Enhanced Other Network) system (for traffic announcement function) (type A)

If the RDS station (with EON data) you are listening to is not broadcasting a traffic information program and the audio system is in the TA (traffic announcement) mode, the radio will be switched automatically to a station broadcasting a traffic information program in the EON AF list when traffic information begins.

When the battery is disconnected

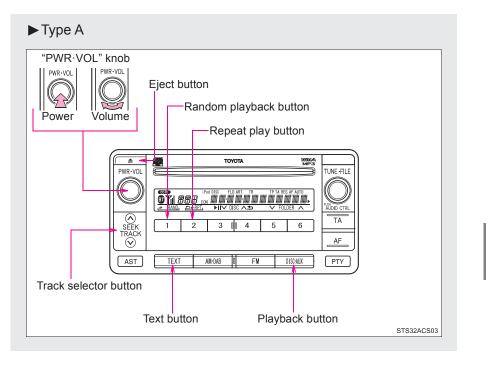
All preset stations are erased.

Reception sensitivity

- It is difficult to maintain perfect radio reception at all times due to the continually changing position of the antenna, differences in signal strength and surrounding objects, such as trains and transmitters.
- When AST is used, automatic station selection and automatic registering of the stations may not be possible. (type A)
- The radio antenna is mounted on the right-side front fender. The antenna can be removed from the base by turning it.

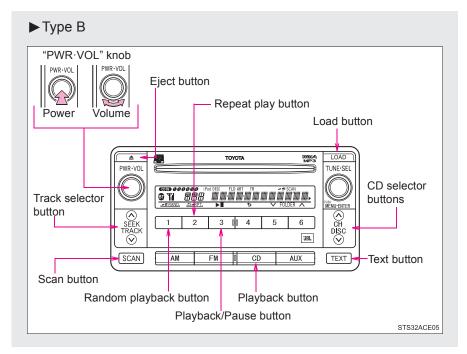
- To prevent damage, remove the antenna in the following cases
 - The antenna will touch the ceiling of a garage.
 - A cover will be put on the vehicle.

3-2. Using the audio system Using the CD player*





*: If equipped



Loading a CD

- Loading a CD
- ► Type A

Insert a CD.

▶ Туре В

STEP 1 Press DAD .

"WAIT" is shown on the display.

STEP 2 When the indicator on the slot turns from amber to green, insert a CD.

The display changes from "WAIT" to "LOAD".

Loading multiple CDs (type B)

STEP 1 Press and hold until you hear a beep.

"WAIT" is shown on the display.

STEP 2 When the indicator on the slot turns from amber to green, insert a CD.

The display changes from "WAIT" to "LOAD".

The indicator on the slot turns to amber when the CD is being inserted.

STEP 3 When the indicator on the slot turns from amber to green, insert the next CD.

Repeat the procedure for the remaining CDs.

To cancel the operation, press _____. If you do not insert a disc within 15 seconds, loading will be canceled automatically.

Ejecting CDs

Ejecting a CD

Type A

Press and remove the CD.

► Type B

STEP 1	
	CDIN 023456
	STS32ACS05

To select the CD to be ejected,

The selected disc number is shown on the display.

STEP 2 Press and remove the CD.

Ejecting all the CDs (type B)

Press and hold _____ until you hear a beep, and then remove the CDs.

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Interior features

Selecting, fast-forwarding, reversing and scanning tracks

Selecting a track

Press " \land " to move up or " \lor " to move down using \bigcirc until the desired track number is displayed.

until

Fast-forwarding and reversing tracks

To fast-forward or reverse, press and hold " \wedge " or " \vee " on

you hear a beep.

Scanning tracks (type B)

STEP 1 Press SCAN .

The first 10 seconds of each track will be played. To cancel, press (SCAN) again.

STEP 2 Press the button again when the desired track is reached.

Selecting a CD (type B)

Selecting a CD to play

To select the desired CD, press " \checkmark " or " \wedge " on

Scanning loaded CDs

STEP 1 Press and hold **SCAN** until you hear a beep.

The first 10 seconds of the first track on each CD will be played. To cancel, press (SCAN) again.

STEP 2 Press the button again when the desired CD is reached.

Playing and pausing tracks (type B)

To play or pause a track, press 3 (\triangleright).

Random playback	
Current CD	
Press (RAND).	
Songs are played in random order.	
To cancel, press 📑 (RAND) again.	
■ All CDs (type B)	
Press and hold (RAND) until you hear a beep.	
Tracks on all loaded CDs are played in random order.	
To cancel, press 📑 (RAND) again.	3
Repeat play	
Repeating a track	Inte
Press [2] (RPT).	Interior features
	eatu
To cancel, press 2 (RPT) again.	res
Repeating all of the tracks on a CD (type B)	
Press and hold [2] (RPT) until you hear a beep.	
To cancel, press 2 (RPT) again.	
Switching the display	
Press TEXT OF TEXT .	

Each time the button is pressed, the display changes in the following order: Elapsed time \to CD title \to Track title.

CD player protection feature

To protect the internal components, playback is automatically stopped when a problem is detected.

Display

Up to 12 characters can be displayed at a time.

A maximum of 24 characters can be displayed.

If TEXT or TEXT is pressed for more than 1 second again or has not been operated for more than 6 seconds, the display will return to the first 12 characters.

Depending on the contents recorded, the characters may not be displayed properly or may not be displayed at all.

When "ERROR" or "WAIT" is shown on the display

"ERROR": This indicates a trouble either in the CD or inside the player. The CD may be dirty, damaged, or inserted up-side down.

"WAIT": This indicates that operation is stopped due to a high temperature inside the player. Wait for a while and then press or

_____. If the CD still cannot be played back, contact your Toyota dealer.

Discs that can be used

Discs with the marks shown below can be used. Playback may not be possible depending on recording format or disc features, or due to scratches, dirt or deterioration.



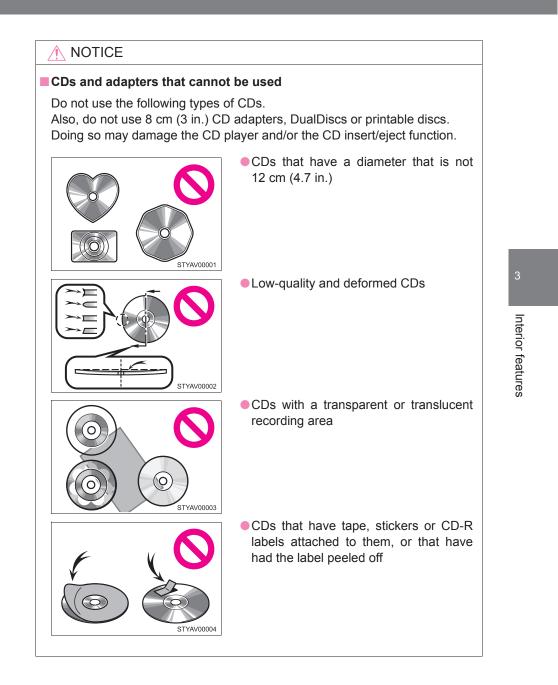
CDs with copy-protect features may not be used.

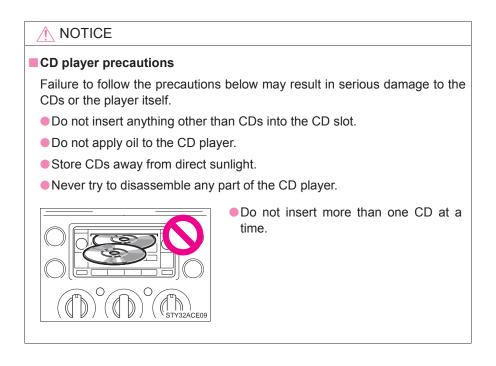
Lens cleaners

Do not use lens cleaners. Doing so may damage the CD player.

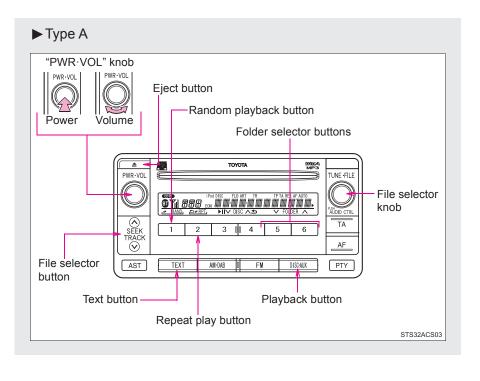
If discs are left inside the CD player or in the ejected position for extended periods of time

CDs may be damaged and may not play properly.





3-2. Using the audio system Playing MP3 and WMA discs^{*}

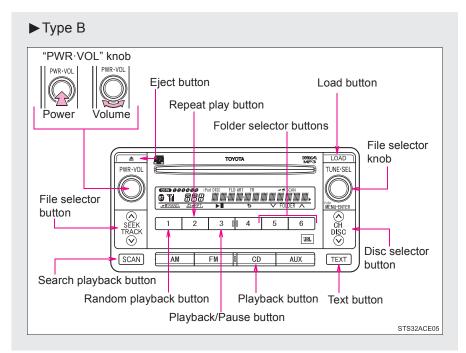


Interior features

*: If equipped

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FJCRUISER_OM_General_OM35B53W



Loading MP3 and WMA discs

→P. 260

Ejecting MP3 and WMA discs

→P. 261

Selecting MP3 and WMA discs (type B)

→P. 262

3-2. Using the audio sy	stem
 Selecting and scanning a folder Selecting a folder one at a time Press ₅ (∨) or ₅ (∧) or "∧" or "∨" on the Press and hold ₅ (∨) or "∨" on the Press and hold ₅ (∨) or "∨" on the Press and hold ₅ (∨) or "∨" on the Press and hold ₅ (∨) or "∨" on the 	
 Scanning the first file of all the folders (type B) STEP 1 Press and hold som until you hear a beep. The first 10 seconds of the first file in each folder will be played. STEP 2 When the desired folder is reached, press som again. Fast-forwarding and reversing files To fast-forward or reverse, press and hold "∧" or "∨" on with you hear a beep. 	თ Interior features
Selecting and scanning files Selecting a file Turn $\overbrace{\bigcirc}^{\text{UFFL}}$ or $\overbrace{\bigcirc}^{\text{UFFL}}$ or press "^" or "v" on $\overbrace{\bigcirc}^{\text{UFFL}}$ to select the desired file.	

Scanning	the	files	in a	folder	(type	B)
----------	-----	-------	------	--------	-------	----

Press SCAN .

The first 10 seconds of each file will be played.

To cancel, press SCAN again.

When the desired file is reached, press scan again.

Playing and pausing files (type B)

То р	lay or	pause	a fi	le,	press	3 0	(▶Ⅱ)).
------	--------	-------	------	-----	-------	-----	------	----

Random playback

Playing files from a folder in random order

Press 1 (RAND).

To cancel, press 1 (RAND) again.

Playing all the files from a disc in random order

Press and hold (RAND) until you hear a beep.

To cancel, press (RAND) again.

Repeat play

Repeating a file

Press 2 (RPT).

To cancel, press 2 (RPT) again.

Repeating all the files in a folder

Press and hold 2 (RPT) until you hear a beep.

To cancel, press	2	(RPT) again.
------------------	---	--------------

Switching the display

Press TEXT Or TEXT .

Each time the button is pressed, the display changes in the following order: Folder no./File no./Elapsed time \rightarrow Folder name \rightarrow File name \rightarrow Album title (MP3 only) \rightarrow Track title \rightarrow Artist name

CD player protection feature

To protect the internal components, playback is automatically stopped when a problem is detected.

Display

Up to 12 characters can be displayed at a time.

If there are 13 or more characters, pressing and holding TEXT or TEXT for

1 second or more enables to display the remaining characters.

A maximum of 24 characters can be displayed.

Depending on the contents recorded, the characters may not be displayed properly or may not be displayed at all.

When "ERROR", "WAIT" or "NO MUSIC" is shown on the display

- "ERROR": This indicates a problem either in the CD or inside the player. The CD may be dirty, damaged, or inserted up-side down.
- "WAIT": This indicates that operation is stopped due to a high temperature inside the player. Wait for a while and then press or <u>co</u>. If the CD still cannot be played back, contact your Toyota dealer.

"NO MUSIC": This indicates that an MP3/WMA file is not included in the CD.

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Interior features

Discs that can be used

Discs with the marks shown below can be used. Playback may not be possible depending on recording format or disc features, or due to scratches, dirt or deterioration.



CDs with copy-protect features may not be used.

Lens cleaners

Do not use lens cleaners. Doing so may damage the CD player.

If discs are left inside the CD player or in the ejected position for extended periods of time

CDs may be damaged and may not play properly.

MP3 and WMA files

MP3 (MPEG Audio LAYER3) is a standard audio compression format.

Files can be compressed to approximately 1/10 of their original size by using MP3 compression.

WMA (Windows Media Audio) is a Microsoft audio compression format.

This format compresses audio data to a size smaller than that of the MP3 format.

There is a limit to the MP3 and WMA file standards that can be used and to the media/formats on which the files are recorded.

- MP3 file compatibility
 - Compatible standards
 MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
 - Compatible sampling frequencies MPEG1 LAYER3: 32, 44.1, 48 (kHz) MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
 - Compatible bit rates (compatible with VBR) MPEG1 LAYER3: 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps) MPEG2 LSF LAYER3: 64, 80, 96, 112, 128, 144, 160 (kbps)
 - Compatible channel modes: stereo, joint stereo, dual channel and monaural

WMA file compatibility

- Compatible standards
 WMA Ver. 7, 8, 9
- Compatible sampling frequencies 32, 44.1, 48 (kHz)
- Compatible bit rates (only compatible with 2-channel playback)
 Ver. 7, 8: CBR 48, 64, 80, 96, 128, 160, 192 (kbps)
 Ver. 9: CBR 48, 64, 80, 96, 128, 160, 192, 256, 320 (kbps)
- Compatible media

Media that can be used for MP3 and WMA playback are CD-Rs and CD-RWs.

Playback in some instances may not be possible if the CD-R or CD-RW is not finalized. Playback may not be possible or the audio may jump if the disc is scratched or marked with fingerprints.

Compatible disc formats

The following disc formats can be used:

- Disc formats: CD-ROM Mode 1 and Mode 2 CD-ROM XA Mode 2, Form 1 and Form 2
- File formats: ISO9960 Level 1, Level 2, (Romeo, Joliet) MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

Items related to standards and limitations are as follows:

- Maximum directory hierarchy: 8 levels (including the root)
- · Maximum length of folder names/file names: 32 characters
- Maximum number of folders: 192 (including the root)
- Maximum number of files per disc: 255

File names

The only files that can be recognized as MP3/WMA and played are those with the extension .mp3 or .wma.

• Discs containing multi-session recordings

As the audio system is compatible with multi-sessions, it is possible to play discs that contain MP3 and WMA files. However, only the first session can be played.

ID3 and WMA tags

ID3 tags can be added to MP3 files, making it possible to record the track title, artist name, etc.

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.2, 2.3 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

WMA tags can be added to WMA files, making it possible to record the track title and artist name in the same way as with ID3 tags.

MP3 and WMA playback

When a disc containing MP3 or WMA files is inserted, all files on the disc are first checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend you do not write in any files other than MP3 or WMA files or create any unnecessary folders.

Discs that contain a mixture of music data and MP3 or WMA format data cannot be played.

Extensions

If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be mistakenly recognized and played as MP3 and WMA files. This may result in large amounts of interference and damage to the speakers.

Playback

- To play MP3 file with steady sound quality, we recommend a fixed bit rate of least 128 kbps and a sampling frequency of 44.1 kHz.
- CD-R or CD-RW playback may not be possible in some instances, depending on the characteristics of the disc.
- There is a wide variety of freeware and other encoding software for MP3 and WMA files on the market, and depending on the status of the encoding and the file format, poor sound quality or noise at the start of playback may result. In some cases, playback may not be possible at all.
- When files other than MP3 or WMA files are recorded on a disc, it may take more time to recognize the disc and in some cases, playback may not be possible at all.
- Microsoft, Windows, and Windows Media are the registered trademarks of Microsoft Corporation in the U.S.A. and other countries.

CDs and adapters that cannot be used (\rightarrow P. 265)

■CD player precautions (→P. 266)

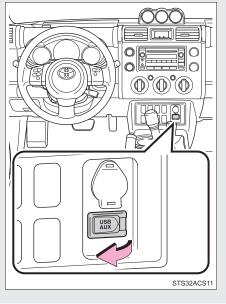
3-2. Using the audio system **Operating an iPod***

Connecting an iPod enables you to enjoy music from the vehicle speakers.

Connecting an iPod

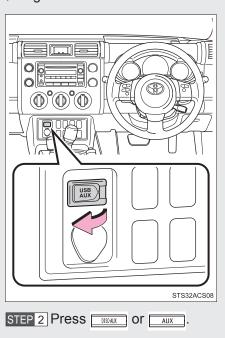
STEP 1 Open the cover and connect an iPod using an iPod cable.

► Left-hand drive vehicles



Turn on the power of the iPod if it is not turned on.

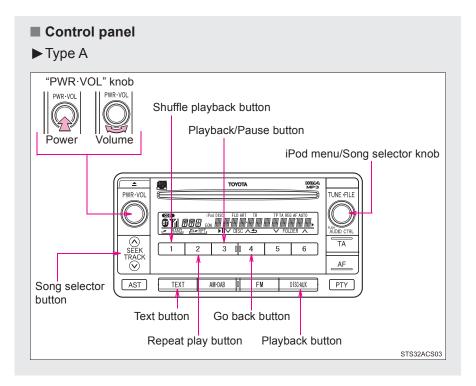
*: If equipped

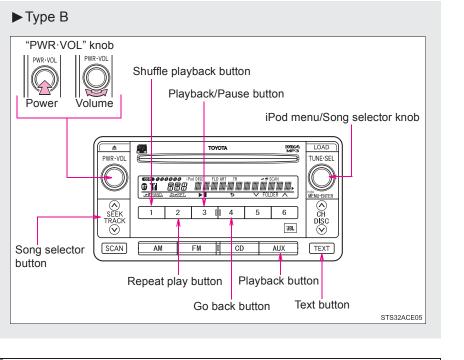


► Right-hand drive vehicles

Turn on the power of the iPod if it is not turned on.

Interior features





Selecting a play mode

STEP 1 Press OF OF THE SEL TO Select iPod menu mode.
STEP 2 Turning or changes the play mode in the follow-
ing order:
"PLAYLISTS" \rightarrow "ARTISTS" \rightarrow "ALBUMS" \rightarrow "SONGS" \rightarrow
" PODCASTS" \rightarrow "GENRES" \rightarrow "COMPOSERS" \rightarrow
"AUDIOBOOKS"
STEP 3 Press or busiced play mode.

Interior features

Play mode list

Play mode	First selection	Second selection	Third selection	Fourth selection
"PLAYLISTS"	Playlists select	Songs select	-	-
"ARTISTS"	Artists select	Albums select	Songs select	-
"ALBUMS"	Albums select	Songs select	-	-
"SONGS"	Songs select	-	-	-
"PODCASTS"	Albums select	Songs select	-	-
"GENRES"	Genre select	Artists select	Albums select	Songs select
"COMPOSERS"	Composers select	Albums select	Songs select	-
"AUDIOBOOKS"	Songs select	-	-	-

Depending on the model, the name of your iPod may be displayed at the top of the list.

Selecting a list



Pressing the knob changes to the second selection list.

STEP 3 Repeat the same procedure to select the desired song name.

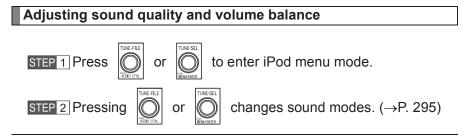
To return to the previous selection list, select "GO BACK" or press $\fbox{4}$ (\clubsuit).

Selecting songs	
Turn $\bigcup_{\text{Non-trial}}^{\text{TWE-FILE}}$ or $\bigcup_{\text{Weissense}}^{\text{TWE-SEL}}$ or press "^" or " \checkmark " on $\bigcup_{\text{SEEK} \atop \text{TRACE}}^{\text{SEEK}}$ to select the desired song.	
Playing and pausing songs	
To play or pause a song, press <u>₃</u> (►∎).	
Fast-forwarding and reversing songs	
To fast-forward or reverse, press and hold " \land " or " \lor " on $\bigcup_{\substack{\forall \in \mathbb{N} \\ \forall \in \mathbb{N} \\ \forall \notin \mathbb{N} \\ 0 \end{bmatrix}}$ until you hear a beep.	3
	nteri
Shuffle playback	or fe
Playing songs from one playlist or album in random order	Interior features
Press <u>(RAND)</u> .	S
Press (RAND). To cancel, press (RAND) again.	S
	ω
To cancel, press (RAND) again. Playing songs from all the playlists or albums in random order	S
To cancel, press (RAND) again. Playing songs from all the playlists or albums in random order Press and hold (RAND) until you hear a beep.	S
To cancel, press (RAND) again. Playing songs from all the playlists or albums in random order Press and hold (RAND) until you hear a beep. To cancel, press (RAND) again.	S

Switching the display

Press TEXT Or TEXT .

Each time the button is pressed, the display changes in the following order: Elapsed time \rightarrow Album title \rightarrow Track title \rightarrow Artist name



About iPod

- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

iPod functions

- When an iPod is connected and the audio source is changed to iPod mode, the iPod will resume play from the same point in which it was last used.
- Depending on the iPod that is connected to the system, certain functions may not be available. Disconnecting the device and reconnecting it once again may resolve some malfunctions.

■iPod problems

To resolve most problems encountered when using your iPod, disconnect your iPod from the vehicle iPod connection and reset it.

For instructions on how to reset your iPod, refer to your iPod Owner's Manual.

Display

→P. 264

Error messages

	"ERROR":	This indicates a	problem in the	iPod or its	connection.
--	----------	------------------	----------------	-------------	-------------

"NO MUSIC": This indicates that there is no music data in the iPod.

"EMPTY": This indicates that an empty playlist is selected.

"UPDATE": This indicates that the version of the iPod is not compatible. Upgrade your iPod software to the latest version.

Compatible models

Model	Generation	Software version
iPod	5th generation	Ver. 1.2.0 or higher
iPod nano	1st generation	Ver. 1.3.0 or higher
	2nd generation	Ver. 1.1.2 or higher
	3rd generation	Ver. 1.0.0 or higher
iPod touch	1st generation	Ver. 1.1.0 or higher
iPod classic	1st generation	Ver. 1.0.0 or higher

Depending on differences between models or software version etc., some models listed above might be incompatible with this system.

iPod 4th generation and earlier models are not compatible with this system. iPhone, iPod mini, iPod shuffle and iPod photo are not compatible with this system.

Items related to standards and limitations are as follows:

Maximum number of lists in device: 9999

Maximum number of songs in device: 65,025

Maximum number of songs per list: 65,025

A CAUTION

Caution while driving

Do not connect iPod or operate the controls.

To prevent damage to iPod

- Do not leave iPod in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.
- Do not push down on or apply unnecessary pressure to the iPod while it is connected as this may damage the iPod or its terminal.
- Do not insert foreign objects into the port as this may damage the iPod or its terminal.

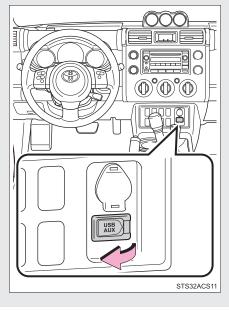
3-2. Using the audio system Operating a USB memory^{*}

Connecting a USB memory enables you to enjoy music from the vehicle speakers.

Connecting a USB memory

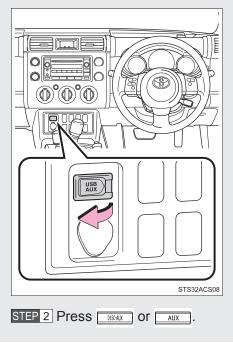
STEP 1 Open the cover and connect a USB memory

► Left-hand drive vehicles



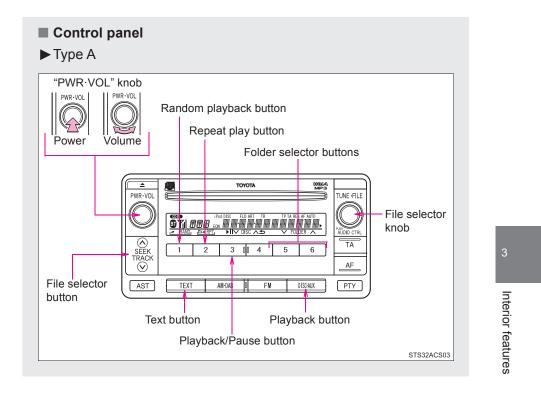
Turn on the power of the USB memory if it is not turned on.

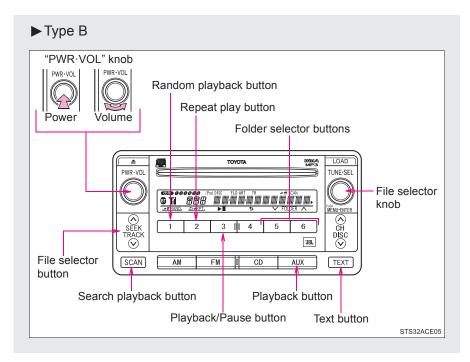
*: If equipped



► Right-hand drive vehicles

Turn on the power of the USB memory if it is not turned on.





Selecting and scanning a folder

Selecting folders one at a time

Press 5 (\lor) or 6 (\land) or " \land " or " \lor " on the \bigcirc

Returning to the first folder

Press and hold 5 (\lor) or " \lor " on the \bigotimes until you hear a beep.

Scanning the first file of all the folders (type B)

STEP 1 Press and hold scan until you hear a beep.

The first 10 seconds of the first file in each folder will be played.

STEP 2 When the desired folder is reached, press scan again.

Selecting and scanning files	
Selecting a file	
Turn $\bigcup_{\underline{W} \in C_{TK}}^{\underline{TWEFHE}}$ or $\bigcup_{\underline{W} \in WKHE}^{\underline{TWESEL}}$ or press "^" or "\" on $\bigcup_{\underline{SEE} \\ \overline{SEE} \\ SE$	
Scanning the files in a folder (type B)	
Press (SCAN) .	
The first 10 seconds of each file will be played.	
To cancel, press [SCAN] again.	3
When the desired file is reached, press SCAN again.	Interi
Playing and pausing files	or fe
To play or pause a file, press <u></u> (▶ ∎).	Interior features
Fast-forwarding and reversing files	
To fast-forward or reverse, press and hold " \land " or " \lor " on \bigcirc	
Random playback	
Playing files from a folder in random order Press (RAND).	
To cancel, press 📑 (RAND) again.	
Playing all the files from a USB memory in random order	
Press and hold [1] (RAND) until you hear a beep.	
To cancel, press 🔲 (RAND) again.	
2	289

Repeat play

Repeating a file

Press 2 (RPT).

To cancel, press 2 (RPT) again.

Repeating all the files in a folder

Press and hold 2 (RPT) until you hear a beep.

To cancel, press 2 (RPT) again.

Switching the display

Press TEXT Or TEXT .

Each time the button is pressed, the display changes in the following order: Elapsed time \rightarrow Folder name \rightarrow File name \rightarrow Album title (MP3 only) \rightarrow Track title \rightarrow Artist name

■USB memory functions

Depending on the USB memory that is connected to the system, certain functions may not be available. Disconnecting the device and reconnecting it once again may resolve some malfunctions.

Display

Up to 12 characters can be displayed at a time.

A maximum of 24 characters can be displayed.

If <u>TEXT</u> or <u>TEXT</u> is pressed for more than 1 second again or has not been operated for more than 6 seconds, the display will return to the first 12 characters.

Depending on the contents recorded, the characters may not be displayed properly or may not be displayed at all.

Error messages

"ERROR": This indicates a problem in the USB memory or its connection.

"NO MUSIC": This indicates that no MP3/WMA files are included in the USB memory.

■USB memory

Compatible devices

USB memory that can be used for MP3 and WMA playback.

Compatible device formats

The following device formats can be used:

- USB communication formats: USB2.0 FS (12 mbps)
- File formats: FAT16/32 (Windows)
- Correspondence class: Mass storage class

MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

Items related to standards and limitations are as follows:

- Maximum directory hierarchy: 8 levels
- Maximum number of folder in a device: 999 (including the root)
- · Maximum number of files in a device: 65025
- · Maximum number of files per folder: 255

MP3 and WMA files

MP3 (MPEG Audio LAYER 3) is a standard audio compression format.

Files can be compressed to approximately 1/10 of their original size using MP3 compression.

WMA (Windows Media Audio) is a Microsoft audio compression format.

This format compresses audio data to a size smaller than that of the MP3 format.

There is a limit to the MP3 and WMA file standards that can be used and to the media/formats on which the files are recorded.

MP3 file compatibility

- Compatible standards MP3 (MPEG1 AUDIO LAYERII, III, MPEG2 AUDIO LAYERII, III, MPEG2.5)
- Compatible sampling frequencies MPEG1 AUDIO LAYERII, III: 32, 44.1, 48 (kHz) MPEG2 AUDIO LAYERII, III: 16, 22.05, 24 (kHz) MPEG2.5: 8, 11.025, 12 (kHz)
- Compatible bit rates (compatible with VBR) MPEG1 AUDIO LAYERII, III: 32-320 (kbps) MPEG2 AUDIO LAYERII, III: 32-160 (kbps) MPEG2.5: 32-160 (kbps)
- Compatible channel modes: stereo, joint stereo, dual channel and monaural
- WMA file compatibility
 - Compatible standards
 WMA Ver. 9
 - Compatible sampling frequencies HIGH PROFILE 32, 44.1, 48 (kHz)
 - Compatible bit rates
 HIGH PROFILE 32-320 (kbps, VBR)
- File names

The only files that can be recognized as MP3/WMA and played are those with the extension .mp3 or .wma.

ID3 and WMA tags

ID3 tags can be added to MP3 files, making it possible to record the track title, artist name, etc.

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.2, 2.3, 2.4 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

WMA tags can be added to WMA files, making it possible to record the track title and artist name in the same way as with ID3 tags.

MP3 and WMA playback

- When a device containing MP3 or WMA files is connected, all files in the USB memory device are checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend that you do not include any files other than MP3 or WMA files or create any unnecessary folders.
- When the USB device is connected and the audio source is changed to USB memory mode, the USB device will start playing the first file in the first folder. If the same device is removed and reinserted (and the contents have not been changed), the USB device will resume play from the same point in which it was last used.
- Extensions

If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be mistakenly recognized and played as MP3 and WMA files. This may result in large amounts of interference and damage to the speakers.

- Playback
 - To play MP3 files with steady sound quality, we recommend a fixed bit rate of at least 128 kbps and a sampling frequency of 44.1 kHz.
 - There is a wide variety of freeware and other encoding software for MP3 and WMA files on the market, and depending on the status of the encoding and the file format, poor sound quality or noise at the start of playback may result. In some cases, playback may not be possible at all.
 - Microsoft, Windows, and Windows Media are registered trademarks of Microsoft Corporation in the U.S.A. and other countries.

CAUTION

Caution while driving

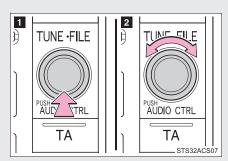
Do not connect USB memory or operate the controls.

To prevent damage to USB memory

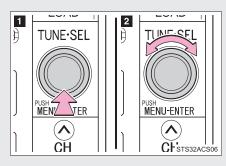
- Do not leave USB memory in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.
- Do not push down on or apply unnecessary pressure to the USB memory while it is connected as this may damage the USB memory or its terminal.
- Do not insert foreign objects into the port as this may damage the USB memory or its terminal.

3-2. Using the audio system Optimal use of the audio system^{*}

► Type A



► Type B



1 Displays the current mode

Changes the following setting

• Sound quality and volume balance (→P. 296)

The sound quality and balance setting can be changed to produce the best sound.

• Automatic Sound Levelizer on/off (→P. 297)

*: If equipped

Adjusting sound quality and volume balance

Changing sound quality modes

Pressing or

Pressing the button changes sound modes in the following order:

"BAS" \rightarrow "TRE" \rightarrow "FAD" \rightarrow "BAL" (type A) \rightarrow "FIX-EQ" (type A) \rightarrow "ASL"

Adjusting sound quality

Turning $\left| \bigcup_{\substack{\text{FLOC TR.} \\ \text{FLOC TR.} }} \right|$ or $\left| \bigcup_{\substack{\text{FLOC TR.} \\ \text{FLOC TR.} }} \right|$ adjusts the level.

Mode displayed	Sound quality mode	Level	Turn coun- terclockwise	Turn clockwise
"BAS"	Bass ^{*1}	-5 to 5	Low	High
"TRE"	Treble ^{*1}	-5 to 5	Low	riigir
"FAD"	Front/rear volume balance	F7 to R7	Shifts to rear	Shifts to front
"BAL"* ²	Left/right volume balance	L7 to R7	Shifts to left	Shifts to right

*1:The sound quality level is adjusted individually in each audio mode.

*2:If equipped

Adjusting sound field (type A)

Turning the $\left| \bigcup_{k=0}^{\text{TWE-FLE}} \right|$ or $\left| \bigcup_{k=0}^{\text{TWE-FLE}} \right|$ selects the field.

FIX-EQ: OFF \rightarrow COMPACT \rightarrow SEDAN \rightarrow MINIVAN

Turning the Automatic Sound Levelizer (ASL) on/off

► Туре A
When "ASL" is selected, turning $\bigcup_{uverse}^{uverse}$ or $\bigcup_{uverse}^{uverse}$ to the right changes the "ASL" level in the order of "LOW", "MID" and "HIGH".
Turning $\left[\bigcup_{\substack{\text{VENC CTIL}}}^{\text{TURE FILE}} \right]$ or $\left[\bigcup_{\substack{\text{VENC SEL}}}^{\text{TURE SEL}} \right]$ to the left turns "ASL" off.
ASL automatically adjusts the volume and tone quality according to the vehicle speed.
▶ Туре В
Turning $\left[\bigcup_{\substack{\text{Werstern}\\ \text{Werstern}}}^{\text{TME-SEL}} \right]$ clockwise turns on the ASL, and turning $\left[\bigcup_{\substack{\text{Werstern}\\ \text{Werstern}}}^{\text{TME-SEL}} \right]$
counterclockwise turns off the ASL.

ASL automatically adjusts the volume and tone quality according to the noise level as you drive your vehicle.

Trademark owned by SRS Labs, Inc. (type A)



The audio systems utilize SRS FOCUS[®] and SRS TruBass[®] audio enhancement technologies, under license from SRS Labs, Inc., in all mode except AM radio mode.

FOCUS, TruBass, SRS and *O* symbols are trademarks of SRS Labs, Inc.

FOCUS and TruBass technologies are incorporated under license from SRS Labs, Inc.

Trademark owned by New Transducers Limited (type A)



This vehicle incorporates NXT flat panel speaker technology by New Transducers Limited, UK. (1) is a registered trademarks of New Transducers Limited.

3-2. Using the audio system Using the AUX port/USB port*

This port can be used to connect a portable audio device and listen to it through the vehicle's speakers.

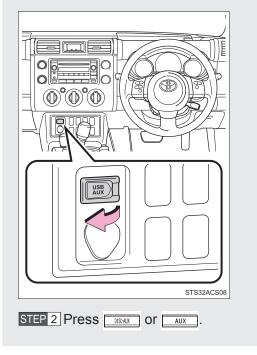
STEP 1 Open the cover and connect the portable audio device.

- TSS2ACS1
- ► Left-hand drive vehicles



*: If equipped

► Right-hand drive vehicles



Operating portable audio devices connected to the audio system

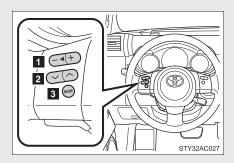
The volume can be adjusted using the vehicle's audio controls. All the other adjustments must be made on the portable audio device itself.

When using a portable audio device connected to the power outlet

Noise may occur during playback. Use the power source of the portable audio device.

3-2. Using the audio system Using the steering wheel audio switches^{*}

Some audio features can be controlled using the switches on the steering wheel.



- 1 Increases/decreases volume
- 2 Radio mode: Selects а radio station CD mode: Selects a track,
 - file (MP3 and WMA) and disc
 - Bluetooth[®] audio mode: Selects a track and album

iPod mode: Selects a song

USB memory mode: Selects a file and folder

3 Turns the power on, selects an audio source

Turning the power on

Press (MODE) when the audio system is turned off.

The audio system can be turned off by holding the switch down for 1 second or more.

*: If equipped

Interior features

Changing the audio source

Press when the audio system is turned on. The audio source changes as follows each time the button is pressed. If no discs are inserted in the player, that mode will be skipped.

 $\label{eq:FM1} \begin{array}{l} FM2 \rightarrow FM3 \mbox{ (if equipped)} \rightarrow CD \mbox{ player} \rightarrow \\ Bluetooth^{\textcircled{R}} \mbox{ audio} \rightarrow AUX \rightarrow iPod \mbox{ or USB memory} \rightarrow \\ MW \mbox{ or AM} \rightarrow FM1 \end{array}$

Adjusting the volume

Press "+" on $(-\mathbf{u}(+))$ to increase the volume and "-" to decrease the volume.

Hold down the button to continue increasing or decreasing the volume.

Selecting a radio station

STEP 1 Press (MODE) to select the radio mode.

STEP 2 Press " \land " or " \lor " on \frown to select a radio station.

To scan for receivable stations, press and hold " \wedge " or " \vee " the button until you hear a beep.

Selecting a track/file or song

- STEP 1 Press (1) to select CD, Bluetooth[®] audio, iPod or USB memory mode.
- STEP 2 Press " \land " or " \lor " on \frown to select the desired track/file or song.

Selecting an album

STEP 1 Press (note) to select the Bluetooth[®] audio mode.

STEP 2 Press and hold " \land " or " \lor " on \frown until you hear a beep.

Selecting a folder

STEP 1 Press (more) to select USB memory mode.

STEP 2 Press and hold " \land " or " \lor " on \frown until you hear a beep.

Selecting a disc in the CD player (type B)

STEP 1 Press (MODE) to select CD mode.

STEP 2 Press and hold " \land " or " \lor " on \bigcirc until you hear a beep.

Canceling automatic selection of a radio station

Press () again.

CAUTION

To reduce the risk of an accident

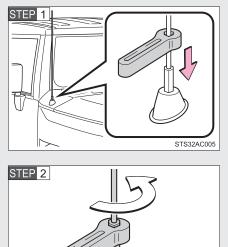
Exercise care when operating the audio switches on the steering wheel while driving.

Interior features

3-2. Using the audio system Antenna

The antenna can be removed.

Removing the antenna

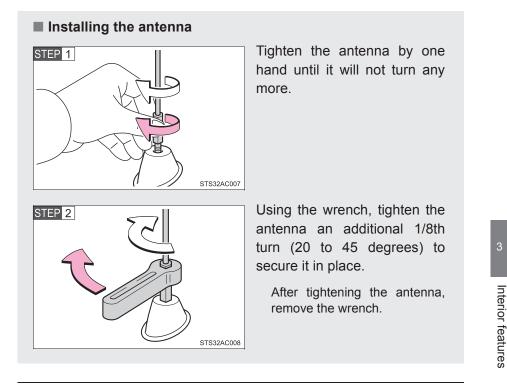


STS32AC006

Place the included wrench around the antenna.

When not in use, the wrench is stored in glove box.

Loosen the antenna with the wrench and remove it.



About the wrench

After using the included wrench, store it in the glove box for safekeeping.

NOTICE

To avoid damage to the antenna

Remove the antenna in the following situations.

- When using an automatic carwash.
- When the antenna will touch the ceiling of a garage, etc.
- When covering the vehicle with a car cover.
- Removing the antenna
 - For normal driving, make sure the antenna is installed.
 - When removing the antenna to use an automatic carwash, etc., be careful not to lose the antenna. Also, make sure to reinstall the antenna before driving the vehicle.
- Using the wrench
 - When installing or removing the antenna, use the included wrench.
 - Be careful not to scratch or damage the vehicle body with the wrench.
 - Do not over-tighten the antenna.
 Over-tightening may damage the antenna.
 - Do not use any tools other than the included wrench to install or remove the antenna.

Otherwise damage may result on the antenna's finish.

3-3. Using the Bluetooth[®] audio system Bluetooth[®] audio system^{*}

The Bluetooth[®] audio system enables you to enjoy music played on a portable player from the vehicle speakers via wireless communication.

This audio system supports Bluetooth[®], a wireless data system capable of playing portable audio music without cables. If your portable player does not support Bluetooth[®], the Bluetooth[®] audio system will not function.

Title	Page
Using the Bluetooth [®] audio system	P. 310
Operating a Bluetooth [®] enabled portable player	P. 314
Setting up a Bluetooth $^{\ensuremath{\mathbb{R}}}$ enabled portable player	P. 318
Bluetooth [®] audio system setup	P. 322

Conditions under which the system will not operate

- If using a portable player that does not support Bluetooth[®]
- If the portable player is switched off
- If the portable player is not connected
- If the portable player's battery is low
- If the portable player is behind the seat or in the glove box or console box
- If metal is covering or touching the player

When transferring ownership of the vehicle

Be sure to initialize the system to prevent personal data from being improperly accessed. (\rightarrow P. 344)

*: If equipped

FJCRUISER_OM_General_OM35B53W

About Bluetooth®



Bluetooth is a registered trademark of Bluetooth SIG. Inc.

Compatible models

Bluetooth[®] specifications:

Ver. 1.2, or higher (Recommended: Ver. 2.0+EDR or higher)

- Following Profiles:
 - A2DP (Advanced Audio Distribution Profile) Ver. 1.0 or higher
 - AVRCP (Audio/Video Remote Control Profile) Ver. 1.0 or higher (Ver. 1.3 or higher recommended)

Portable players must correspond to the above specifications in order to be connected to the Bluetooth[®] audio system. However, please note that some functions may be limited depending on the type of portable player.

Caution while driving

Do not connect portable players or operate the controls.

Caution regarding interference with electronic devices

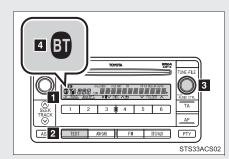
- Your audio unit is fitted with Bluetooth[®] antennas. People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the Bluetooth[®] antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth[®] devices, users of any electrical medical device other than implanted pacemakers and implanted cardiac 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.

To prevent damage to portable players

Do not leave portable players in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.

3-3. Using the Bluetooth[®] audio system Using the Bluetooth[®] audio system^{*}

Audio unit



1 Display

A message, name, number etc. is displayed.

Lower-case characters and special characters cannot be displayed.

- Displays information that is too long to be displayed at one time on the display (press and hold)
- Selects items such as menu and number

Turn: Selects an item Press: Inputs the selected item

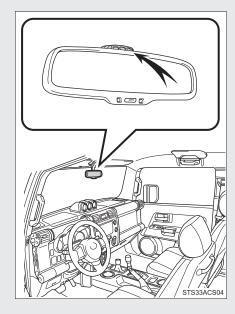
Bluetooth[®] connection condition

If "BT" is not displayed, the Bluetooth[®] audio system cannot be used.

*: If equipped

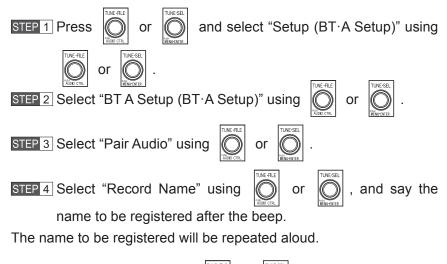
3-3. Using the Bluetooth $^{\ensuremath{\mathbb{R}}}$ audio system

Microphone



Using the Bluetooth[®] audio system for the first time

Before using the Bluetooth[®] audio system, it is necessary to register a Bluetooth[®] enabled portable player in the system. Follow the procedure below to register (pair) a portable player:



STEP 5 Select "Confirm" using or

A passkey will be displayed.

STEP 6 Input the passkey into the audio player.

Refer to the manual that comes with the portable player for the operation of the portable player.

If the portable player has a Bluetooth[®] phone, the phone can be registered at the same time.

STEP 7 When "Pair Phone?" is displayed, select "Yes" or "No" using



(Bluetooth[®] phone \rightarrow P. 323)

Menu list of the Bluetooth[®] audio system

First menu	Second menu	Third menu	Operation detail
		"Pair Audio"	Registering a portable audio player
		"Select Audio"	Selecting a portable audio player to be used
	"BT A Setup" (BT: A	"Change Name"	Changing the registered name of a portable player
"Setup	(BT·A Setup) "System	"List Audios"	Listing the registered porta- ble players
(BT∙A		"Set Passkey"	Changing the passkey
Setup)"		"Delete Audio"	Deleting a registered porta- ble player
		"Playback Vol (Guidance Vol)"	Setting voice tag playback volume (Setting voice guid- ance volume)
	Setup"	"Device Name"	Displaying the Bluetooth [®] device address and name
		"Initialize"	Initializing the system

"BT A Setup (BT·A Setup)" can be canceled by pressing the on-hook switch.

Operations that cannot be performed while driving

Operating the system with



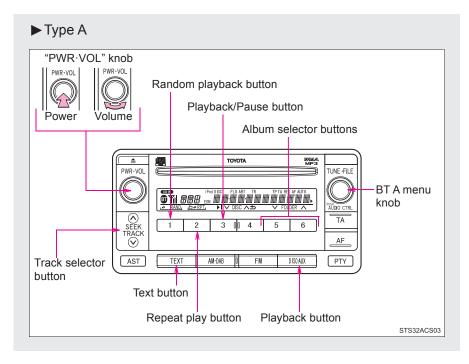
Registering a portable player to the system

Changing the passkey

→P. 320

FJCRUISER_OM_General_OM35B53W

3-3. Using the Bluetooth[®] audio system Operating a Bluetooth[®] enabled portable player^{*}



*: If equipped

3-3. Using the Bluetooth[®] audio system

► Type B
"PWR-VOL" knob Power Playback/Pause button Power Album selector buttons Image: Comparison of the provide state st
Selecting an album
To select the desired album, press 5 (v) or 6 (\land) or " \lor " or " \land "
on the $\bigotimes_{\substack{\text{FOLDER}\\ \bigotimes}}$.
Selecting tracks
Press " \wedge " or " \vee " on $\bigotimes_{\text{TRACK}}$ to select the desired track.
Playing and pausing tracks

To play or pause a track, press \square (**>**II).

3-3. Using the Bluetooth[®] audio system

Fast-forwarding and reversing tracks	
To fast-forward or reverse, press and hold " \land " or " \lor " on \bigcirc you hear a beep.	ntil
Random playback	
Press (RAND). To cancel, press () (RAND) again.	
Repeat play	
Press 2 (RPT).	
To cancel, press 2 (RPT) again.	
Switching the display	
Press $___________________________________$	ng

Using the steering wheel audio switches

→P. 301

■ Bluetooth[®] audio system functions

Depending on the portable player that is connected to the system, certain functions may not be available.

Display

Up to 12 characters can be displayed at a time.

1 second or more enables to display the remaining characters.

A maximum of 24 characters can be displayed.

If <u>TEXT</u> or <u>TEXT</u> is pressed for more than 1 second again or has not been operated for more than 6 seconds, the display will return to the first 12 characters.

Depending on the contents recorded, the characters may not be displayed properly or may not be displayed at all.

Error messages

"Memory Error": This indicates a problem in the system.

3-3. Using the Bluetooth[®] audio system Setting up a Bluetooth[®] enabled portable player^{*}

Registering a portable audio player in the Bluetooth[®] audio system allows the system to function. The following functions can be used for registered portable players:

Functions and operation procedures

To enter the menu for each function, follow the steps below.

STEP 1 Press or to select "Setup (BT·A Setup)" or
press the off-hook switch (\rightarrow P. 328) and select "Setup
(BT·A Setup)" using $V_{\text{VDD-CTR}}^{\text{TWE-FILE}}$ or $V_{\text{WBM-BATR}}^{\text{TWE-FILE}}$.
STEP 2 Select "BT A Setup (BT·A Setup)" using or V_{Kerrer} or V_{Kerrer} .
STEP 3 Select one of the following items using $\begin{bmatrix} TME FLE \\ WR & TME \\ WR & TME SEL \end{bmatrix}$.
 Registering a portable player "Pair Audio"
 Selecting a portable player to be used "Select Audio"
 Changing the registered name of a portable player "Change Name"
 Listing the registered portable players "List Audios"
 Changing the passkey "Set Passkey"
 Deleting a registered portable player "Delete Audio"

*: If equipped

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FJCRUISER_OM_General_OM35B53W

Registering a portable player	
Select "Pair Audio" using $\left[\bigcup_{l \in \mathbb{T}^{n}} \right]$ or $\left[\bigcup_{l \in \mathbb{T}^{n}} \right]$, and perform the procedure for registering a portable player. (\rightarrow P. 312)	
Selecting a portable player to be used	
STEP 1 Select "Select Audio" using $\begin{bmatrix} TUNE FILE \\ \hline U \\ U \\$	
STEP 2 Select the portable player to be used using $\left[\bigcup_{ubc \ cr.}^{TME \ FLE} \right]$ or $\left[\bigcup_{ubc \ cr.}^{TME \ FLE} \right]$.	3
STEP 3 Select "From Car" or "From Audio" using $\left[igcup_{Leven}^{\text{TMEFLE}} ight]$ or $\left[igcup_{Leven}^{\text{TMEFLE}} ight]$.	
If "From Car" is selected, the portable player will be automatically connected whenever the engine switch is in the ACC or ON position.	nterior features
Changing the registered name of a portable player	atur
STEP 1 Select "Change Name" using	0 S
STEP 2Select the desired portable player name to be changed using $\widetilde{\bigcup_{unverse}}$ or $\widetilde{\bigcup_{unverse}}$.	
STEP 3 Select "Record Name" using $vert is vert in vert is vert in the say the new name after the beep.$	
The name to be registered will be repeated aloud.	
STEP 4 Select "Confirm" using	

3-3. Using the Bluetooth[®] audio system

Listing the registered portable players

Select "List Audios" using

|--|--|

The list of registered portable players will be read aloud. When listing is complete, the system returns to "BT A Setup ($BT \cdot A$ Setup)".

Changing the passkey

STEP 1 Select "Set Passkey" using

	TUNE -FILE		TUNE-SEL
STEP 2 Select a 4 to 8-digit number using	\bigcirc	or	\bigcirc

The number should be input 1 digit at a time.

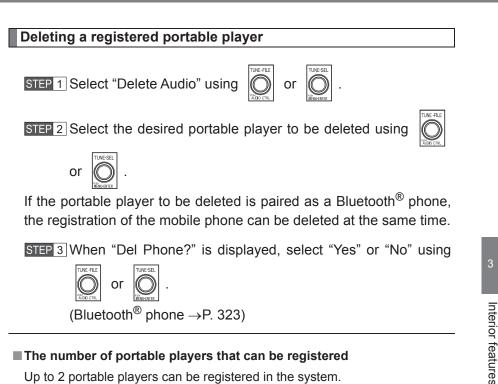
STEP 3 When the entire number to be registered as a passkey has





or

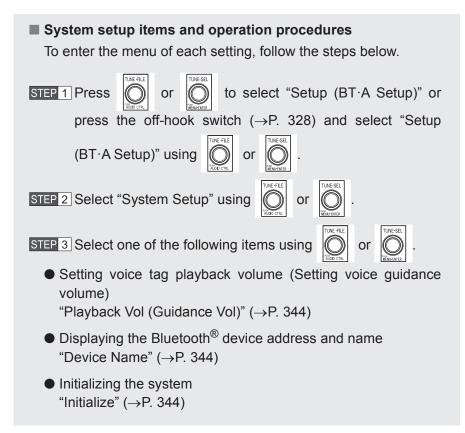
If the number to be registered has 8 digits, pressing of the knob is not necessary.



The number of portable players that can be registered

Up to 2 portable players can be registered in the system.

3-3. Using the Bluetooth[®] audio system Bluetooth[®] audio system setup^{*}



*: If equipped

3-4. Using the hands-free phone system (for mobile phone) Hands-free phone system (for mobile phone)^{*}

The hands-free phone system is a function that allows you to use your mobile phone without touching it.

This system supports Bluetooth[®] mobile phones. Bluetooth[®] is a wireless data system that allows the mobile phone to wirelessly connect to the hands-free phone system and make/receive calls.

Hands-free phone system quick guide

STEP 1 Setting a mobile phone. (\rightarrow P. 330)

- STEP 2 Adding an entry to the phonebook. (Up to 20 names can be stored.) (\rightarrow P. 347)
- STEP 3 Dialing by inputting a name. $(\rightarrow P. 334)$

Title	Page
Using the hands-free phone system ■Using the hands-free phone system for the first time	P. 327
Making a phone call Making a phone call Dialing by inputting a name Speed dialing Redial Call back Receiving a phone call Answering the phone Refusing the call Transferring a call Using the call history memory Dialing Storing data in the phone book Deleting	P. 334
Setting a mobile phone Functions and operation procedures	P. 338

о П

*: If equipped

Title	Page
 Security and system setup Security setting items and operation procedures System setup items and operation procedures 	P. 341
Using the phone book Adding a new phone number Changing the registered name in the phone book Listing the registered data Setting speed dials Deleting the registered data Deleting speed dials	P. 346

Conditions under which the system will not operate

- If using a mobile phone that does not support Bluetooth[®]
- If the mobile phone is switched off
- If you are outside service range
- If the mobile phone is not connected
- If the mobile phone's battery is low
- The mobile phone is behind the seat or in the glove box or console box
- Metal is covering or touching the phone

Signal status

This display may not correspond exactly with the mobile phone itself.

When using the hands-free phone system

- The audio system and voice guidance are muted when making a call.
- If both parties speak at the same time, it may be difficult to hear.
- If the incoming call volume is overly loud, an echo may be heard.
- Try to face toward the microphone as much as possible when speaking.
- In the following circumstances, it may be difficult to hear the other party:
 - · When driving on unpaved roads
 - When driving at high speeds
 - · When a window is open
 - · When the air conditioning is blowing directly on the microphone
 - · When the air conditioning is set to high

When transferring ownership of the vehicle

Be sure to initialize the system to prevent personal data from being improperly accessed. (\rightarrow P. 344)

About Bluetooth[®]



Bluetooth is a registered trademark of Bluetooth SIG. Inc.

Compatible models

Compatible with HFP (Hands Free Profile) Ver. 1.5 and OPP (Object Push Profile) Ver. 1.1.

If your mobile phone does not support HFP, you cannot enter the Bluetooth[®] phone. If your mobile phone supports OPP alone, you cannot use the Bluetooth[®] phone.

Caution while driving

Do not use a mobile phone or connect the Bluetooth[®] phone.

- Caution regarding interference with electronic devices
 - Your audio unit is fitted with Bluetooth[®] antennas. People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the Bluetooth[®] antennas. The radio waves may affect the operation of such devices.
 - Before using Bluetooth[®] devices, users of any electrical medical device other than implanted pacemakers and implanted cardiac 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.

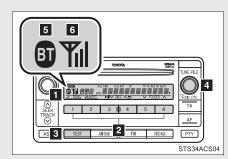
▲ NOTICE

To prevent damage to mobile phones

Do not leave mobile phones in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the phone.

3-4. Using the hands-free phone system (for mobile phone) Using the hands-free phone system (for mobile phone)^{*}

Audio unit



1 Display

A message, name, phone number, etc. is displayed.

Lower-case characters and special characters cannot be displayed.

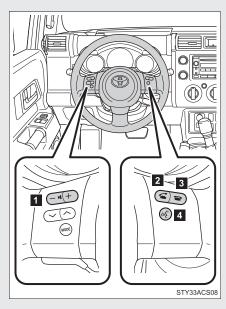
- 2 Selects speed dials
- Displays information that is too long to be displayed at one time on the display (press and hold)
- Selects items such as menu and number

Turn: Selects an item Press: Inputs the selected item

- 5 Bluetooth[®] connection condition
 - If "BT" is not displayed, the hands-free system cannot be used.
- 6 Reception level

Interior features

*: If equipped



Steering wheel switches

1 Volume

The voice guidance volume cannot be adjusted using this button.

2 Off-hook switch

Turns the hands-free system on/starts a call

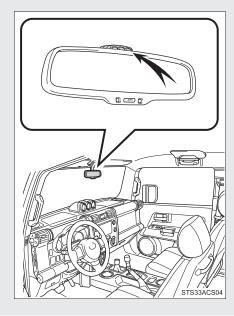
3 On-hook switch

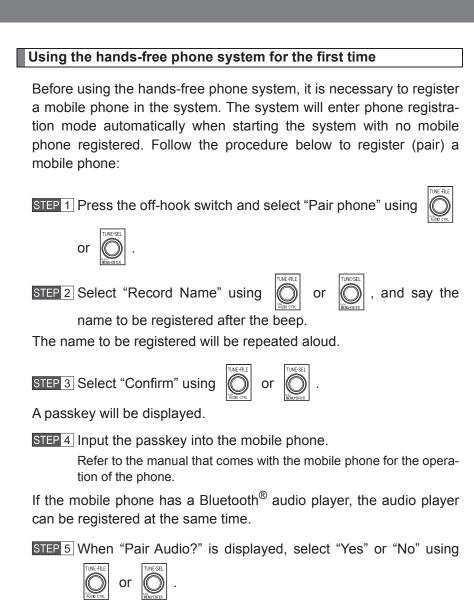
Turns the hands-free system off/ends a call/refuses a call

4 Talk switch

Turns the voice command system on (press)/turns the voice command system off (press and hold)

Microphone





(Bluetooth[®] audio player \rightarrow P. 307)

Menu list of the hands-free phone system

First menu	Second menu	Third menu	Operation detail
"CallBack"	-	-	Dialing a number stored in the incoming call history memory
"Redial"	-	-	Dialing a number stored in the outgoing call history memory
" " " " " " " " " " " " " " " " " " "	"Add Entry"	-	Adding a new phone num- ber
	"Change Name"	-	Changing the registered name in the phone book
	"Delete Entry"	-	Deleting the registered data
	"Del Spd Dial"	-	Deleting speed dials
	"List Names"	-	Listing the registered data
	"Speed Dial"	-	Setting speed dials

5

Interior features

First menu	Second menu	Third menu	Operation detail
	"Security"	"Set PIN"	Setting a PIN code
		"Phbk Lock"	Locking the phone book
		"Phbk Unlock"	Unlocking the phone book
	"Phone Setup"	"Pair Phone"	Registering a mobile phone
		"Select Phone"	Selecting a mobile phone to be used
"Setup"		"Change Name"	Changing the registered name of a mobile phone
		"List Phones"	Listing the registered mobile phones
		"Set Passkey"	Changing the passkey
		"Delete Phone"	Deleting a registered mobile phone
	"System Setup"	"Playback Vol (Guidance Vol)"	Setting voice tag playback volume (Setting voice guid- ance volume)
		"Device Name"	Displaying the Bluetooth [®] device address and name
		"Initialize"	Initializing the system

Automatic volume adjustment

When vehicle speed reaches 80 km/h (50 mph) or more, the volume automatically increases. The volume returns to the previous volume setting when vehicle speed drops to 70 km/h (43 mph) or less.

Operations that cannot be performed while driving

• Operating the system with



• Registering a mobile phone to the system

Changing the passkey

→P. 340

Interior features

FJCRUISER_OM_General_OM35B53W

3-4. Using the hands-free phone system (for mobile phone) Making a phone call*

Making a phone call

- Dialing by inputting a name "Dial by name"
- Speed dialing
- Dialing a number stored in the outgoing history memory "Redial"
- Dialing a number stored in the incoming history memory "Call back"

Receiving a phone call

- Answering the phone
- Refusing the call
- Transferring a call
- Using the call history memory
 - Dialing
 - Storing data in the phone book
 - Deleting

*: If equipped

Dialing by inputting a name

STEP 1 Press the talk switch and say a registered name. The desired name or number is displayed.

STEP 2 Dial by one of the following methods:

- a. Press the off-hook switch.
- b. Select "Dial" using



In STEP 1, if the pronounced name cannot be recognized, select the

desired	name	using	
uconcu	nume	using	

L

Speed dialing

- STEP 1 Press the off-hook switch.
- STEP 2 Press the preset button in which the desired number is registered.

or

STEP 3 Press the off-hook switch.

When receiving a phone call

Answering the phone

Press the off-hook switch.

Refusing the call

Press the on-hook switch.

Transferring a call

A call can be transferred between the mobile phone and system while dialing, receiving a call, or during a call. Use one of the following methods:

a. Operate the mobile phone.

Refer to the manual that comes with the mobile phone for the operation of the phone.

- b. Press the off-hook switch*.
- *: This operation can be performed only when transferring a call from the mobile phone to the system during a call.

Using a call history memory

Follow the procedure below to use a number stored in call history memory:

STEP 1 Press the off-hook switch and select "Redial" (when using a number stored in the outgoing call history memory) or "Call back" (when using a number stored in the incoming call his-

tory memory) using

or	Nor NENU-ENTER	•	

TUNE-SEL

STEP 2 Select the desired number using

STEP 3 The following operations can be performed:

Dialing: Press the off-hook switch or select "Dial" using



Storing the number in the phone book: Select "Store" and then

"Confirm" using $\left| \bigcup_{i=1}^{\text{TWF-FILE}} \right|$ or $\left| \bigcup_{i=1}^{\text{TWF-FILE}} \right|$

Deleting: Select "Delete" and then "Confirm" using

Call history

Up to 5 numbers can be stored in each of the outgoing and incoming call history memories.

When talking on the phone

• Do not talk simultaneously with the other party.

 Keep the volume of the receiving voice down. Otherwise, voice echo will increase.

or

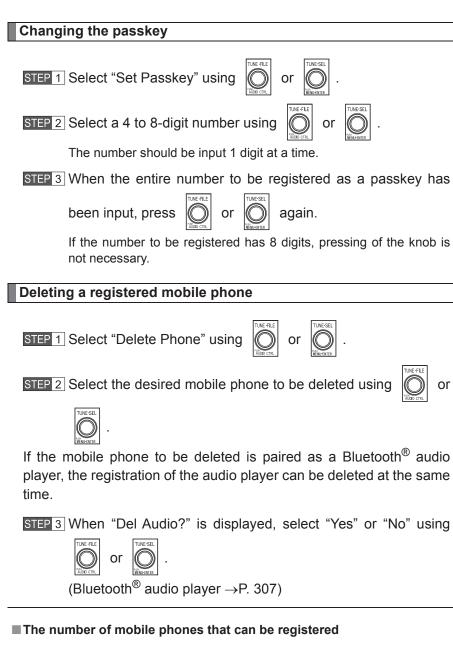
Interior features

3-4. Using the hands-free phone system (for mobile phone) **Setting a mobile phone**^{*}

Registering a mobile phone in the hands-free phone system allows the system to function. The following functions can be used for registered mobile phones: Functions and operation procedures To enter menu for each function, follow the steps below. STEP 1 Press the off-hook switch and select "Setup" using or or O STEP 2 Select "Phone Setup" using STEP 3 Select one of the following items using or • Registering a mobile phone "Pair Phone" Selecting a mobile phone to be used "Select Phone" • Changing the registered name of a mobile phone "Change Name" Listing the registered mobile phones "List Phones" Changing the passkey "Set Passkey" Deleting a registered mobile phone "Delete Phone"

*: If equipped

Registering a mobile phone	l
Select "Pair Phone" using $\boxed{\bigcup_{k=0}^{\text{TWE-FLE}}}$ or $\boxed{\bigcup_{k=0}^{\text{TWE-SLE}}}$, and perform the proce- dure for registering a mobile phone. (\rightarrow P. 330)	
Selecting a mobile phone to be used	l
STEP 1 Select "Select Phone" using UNE FILE OF UNE FILE OF UNE FILE OF UNE FILE OF UNE FILE TIME FILE	
STEP 2 Select the mobile phone to be used using \bigcup_{NDCCR} or \bigcup_{EXENTED} .	3
Changing a registered name of a mobile phone	
STEP 1Select "Change Name" using $\widehat{\bigcup}_{LECCH}$ or $\widehat{\bigcup}_{RESEL}$.STEP 2Select the desired mobile phone name to be changed using $\widehat{\bigcup}_{RESEL}$ or $\widehat{\bigcup}_{RESEL}$ $\widehat{\bigcup}_{RESEL}$ or $\widehat{\bigcup}_{RESEL}$	Interior features
STEP 3 Select "Record Name" using with the beep. or with the beep. and say the new The name to be registered will be repeated aloud. STEP 4 Select "Confirm" using with the beep. or with the beep.	
Listing the registered mobile phones	I.
Select "List Phones" using $\left[\bigcup_{k=0}^{\text{TWFFLE}} \right]$ or $\left[\bigcup_{k=0}^{\text{TWFFLE}} \right]$. The list of registered mobile phones will be read aloud. When listing is complete, the system returns to "Phone Setup".	
	339



Up to 6 mobile phones can be registered in the system.

3-4. Using the hands-free phone system (for mobile phone) Security and system setup^{*}

To enter the menu of each setting, follow the steps below:

 Security setting items and operation procedures

 STEP 1 Press the off-hook switch and select "Setup" using $\overline{\mathbb{Doe}}$ or

 $\overline{\mathbb{Doe}}$.

 STEP 2 Select "Security" using $\overline{\mathbb{Doe}}$ or $\overline{\mathbb{Doe}}$.

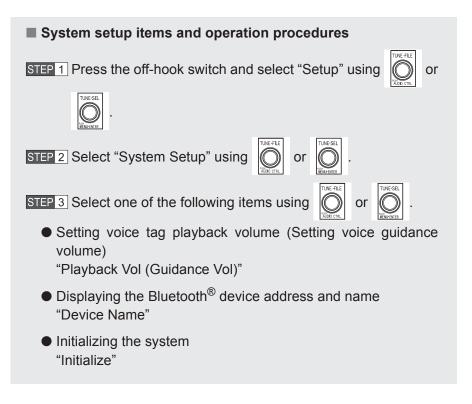
 STEP 3 Select one of the following items using $\overline{\mathbb{Doe}}$ or $\overline{\mathbb{Doe}}$.

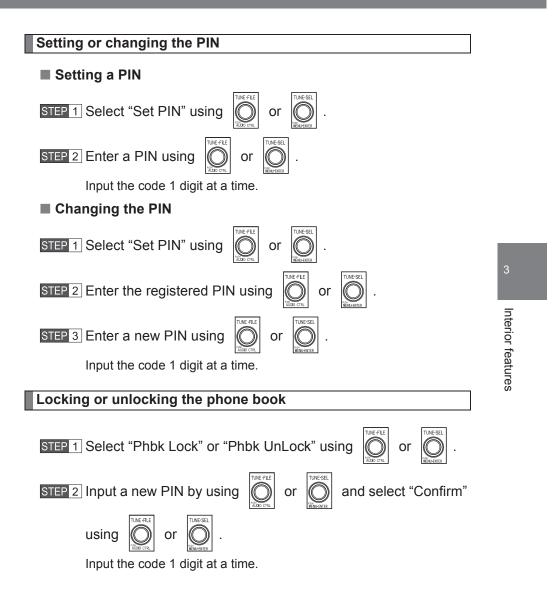
 Setting or changing the PIN (Personal Identification Number) "Set PIN"

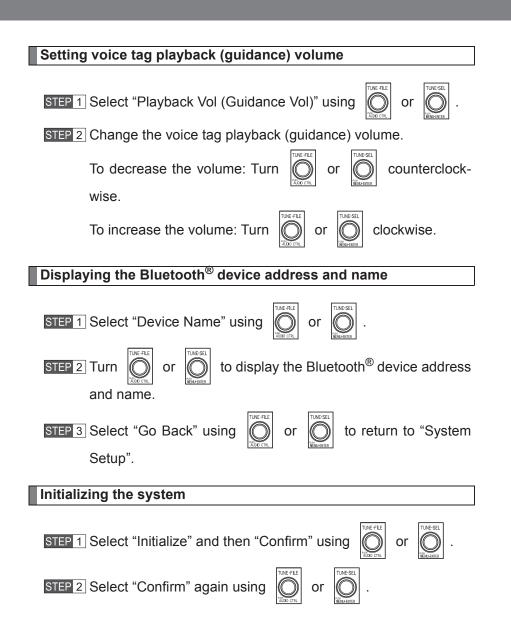
 Locking the phone book "Phbk Lock"

 Unlocking the phone book "Phbk Unlock"

*: If equipped







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Initialization

• The following data in the system can be initialized:

- Phone book
- Outgoing and incoming call history
- · Speed dials
- Registered mobile phone data
- · Security code
- Registered Bluetooth[®] enabled portable player data
- Passkeys for the mobile phones
- Passkey for the Bluetooth $^{\ensuremath{\mathbb{B}}}$ audio players
- Guidance volume
- Receiver volume
- Ring tone volume
- Once the initialization has been completed, the data cannot be restored to its original state.

When the phone book is locked

The following functions cannot be used:

- Dialing by inputting a name
- Speed dialing
- Dialing a number stored in the call history memory
- Using the phone book

3-4. Using the hands-free phone system (for mobile phone) Using the phone book^{*}

To enter the menu of each setting, follow the steps below.

STEP 1 Press the off-hook switch and select "Phonebook" using



STEP 2 Select one of the following items using

- Adding a new phone number "Add Entry"
- Changing the registered name in the phone book "Change Name"
- Listing the registered data "List Names"
- Setting speed dials
 "Speed Dial"
- Deleting the registered data "Delete Entry"
- Deleting speed dials
 "Del Spd Dial"

*: If equipped

or 🔘 :

Adding a new phone number

The following methods can be used to add a new phone number:

- Transferring data from the mobile phone
- Inputting a phone number using



• Selecting a phone number from outgoing or incoming call history

Adding procedure

STEP 1 Select "Add Entry" using



STEP 2 Use one of the following methods to input a telephone number:

Transferring data from the mobile phone:

STEP2-1 Select "By Phone" and then "Confirm" using

ö

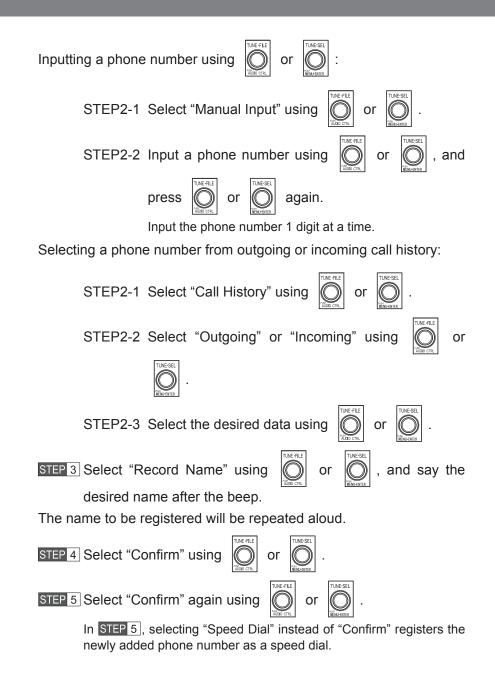


STEP2-2 When "Transfer" appears in the display, transfer the data from the mobile phone.

Refer to the manual that comes with the mobile phone for the details of transferring data.

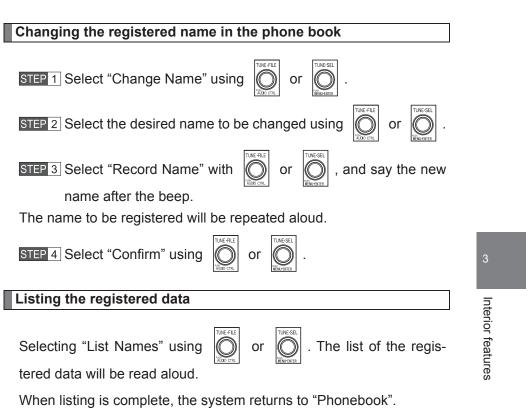
STEP2-3 Select the desired data using

	or	
AUDIO CTRL		NENU-ENTER



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FJCRUISER_OM_General_OM35B53W

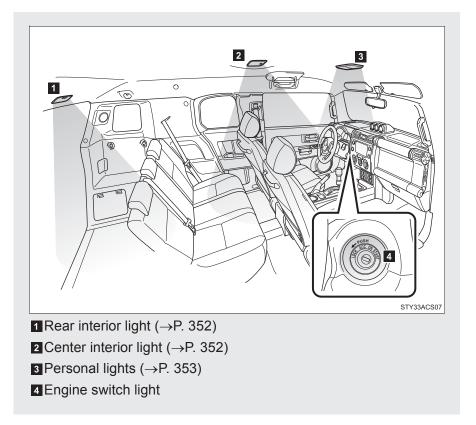


Pressing the off-hook switch while an entry is being read aloud selects the entry, and calls the registered phone number.

Setting speed dials
STEP 1 Select "Speed Dial" using $\begin{bmatrix} TUME-FILE \\ \hline \\ $
STEP 2 Select the desired data using $\bigcup_{k=0}^{\text{TMFFLE}}$ or $\bigcup_{k=0,\text{true}}^{\text{TMFSLE}}$.
STEP 3 Select the desired preset button, and register the data into speed dial by either of the following methods:
a. Press the desired preset button, and select "Confirm" using
b. Press and hold the desired preset button.
Deleting the registered data
STEP 1 Select "Delete Entry" using $\begin{bmatrix} TAR-FILE \\ O \\ ZER CTR. \end{bmatrix}$ or $\begin{bmatrix} TAR-FILE \\ O \\ ZER CTR. \end{bmatrix}$.
STEP 2 Select the desired data to be deleted using $\begin{bmatrix} TWE + ILE \\ WADDATE \end{bmatrix}$ or $\begin{bmatrix} TWE + ILE \\ WE WATE \end{bmatrix}$.
Deleting speed dials
STEP 1 Select "Del Spd Dial" using Or Construction or Construction of Construc
STEP 2 Press the preset button to which the desired speed dial is reg- istered after the beep.
The name to be deleted will be heard.
STEP 3 Select "Confirm" using $\begin{bmatrix} TURE FILE \\ \hline U \\ ZURE CTE. \end{bmatrix}$ or $\begin{bmatrix} TURE FILE \\ \hline U \\ WENTHING \end{bmatrix}$.
■ Limitation of number of digits

A phone number that exceeds 24 digits cannot be registered.

3-5. Using the interior lights Interior lights list



Interior features

Interior lights

Illuminated entry system

When the interior light switch is in the DOOR position, the interior light and engine switch light automatically turns on/off according to whether the doors are locked/unlocked and whether the doors are open/closed and the engine switch position.

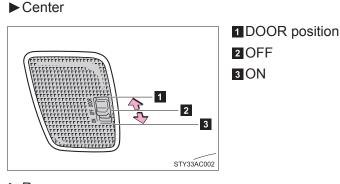
To prevent the battery from being discharged

If the interior light remains on when the door is not fully closed and the interior light switch is in the DOOR position, the light will go off automatically after 30 minutes.

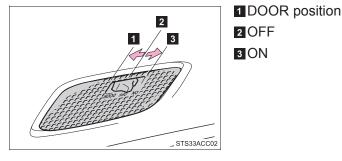
Customization that can be configured at Toyota dealer

Settings (e.g. The time elapsed before lights turn off) can be changed. (Customizable features \rightarrow P. 536)

Interior lights

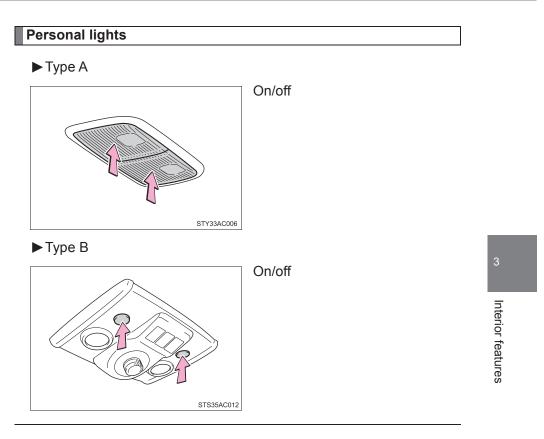


Rear



3-5. Using the interior lights

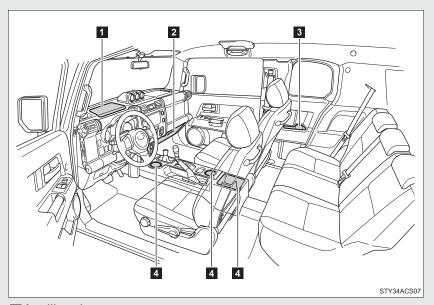
Personal lights



To prevent the battery from being discharged

The personal lights will automatically turn off in about 30 minutes after the key is removed from the engine switch.

3-6. Using the storage features List of storage features



Auxiliary box
 Glove box
 Bottle holders
 Cup holders

A CAUTION

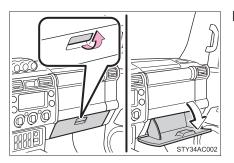
Items that should not be left in the storage spaces

Do not leave glasses, lighters or spray cans in the storage spaces, as this may result in 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 bo

Glove box



Pull up the lever.

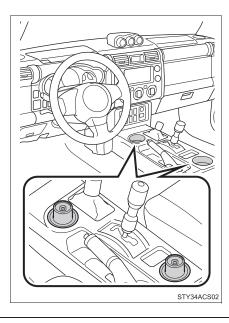
Caution while driving

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.

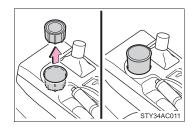
Interior features

Cup holders (front)

Cup holders (front)



Holding large cups



The adapter can be removed.

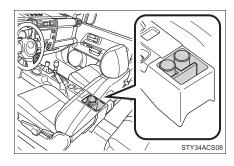
Cup holders (front) and cup holders (rear)

A CAUTION

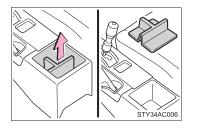
Items unsuitable for the cup holder

Do not place anything other than cups or beverage cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

Cup holders (rear)



Removing the mat



Pull up.

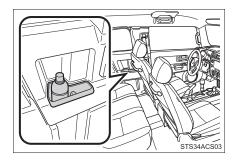
Cup holders (rear) and bottle holders



Items unsuitable for the cup holder

Do not place anything other than cups or beverage cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

Bottle holders



Bottle holders

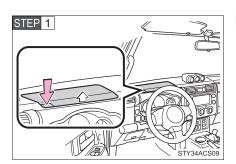
Depending on their size or shape, some bottles may not fit in the holders.

Items that should not be stowed in the bottle holders

Put the cap on before stowing a bottle. Do not place open bottles in the bottle holders, or glasses and paper cups containing liquid. The contents may spill and glasses may brake.

Auxiliary box

Auxiliary box



Push the button.

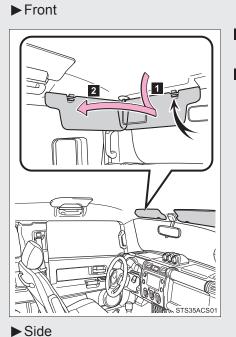
Pull up the lid.

STEP 2

Caution while driving

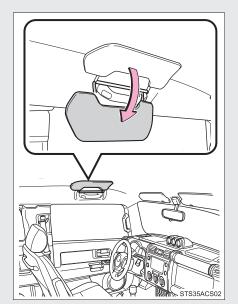
Keep the auxiliary box closed. Items may fall out and cause death or serious injury in case of an accident or sudden stop. Interior features

3-7. Other interior features **Sun visors**



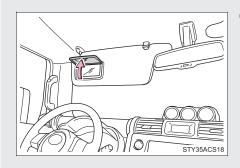
Forward position:
 Flip down.

Side position:Flip down, unhook, and swing to the side.



Flip down.

3-7. Other interior features Vanity mirrors

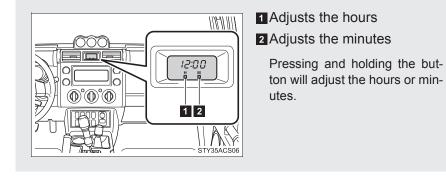


Open the cover.

Interior features

 ${\sf FJCRUISER_OM_General_OM35B53W}$

3-7. Other interior features **Clock**



The clock is displayed when

The engine switch is in the ACC or ON position.

When disconnecting and reconnecting battery terminals

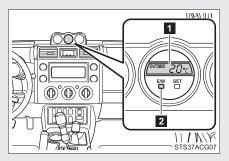
The time display will automatically be set to 1:00.

3-7. Other interior features Outside temperature display^{*}

The temperature display shows temperatures within the ranges of -40° C (-40° F) and 50° C (122° F).

Outside temperature display

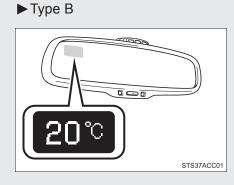
► Type A



- Displays the outside air temperature.
- Switches the outside air temperature display between °C (Celsius) and °F (Fahrenheit).



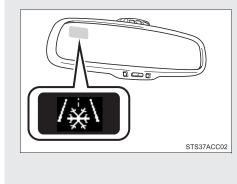
Interior features



*: If equipped

FJCRUISER_OM_General_OM35B53W

Ice advisory indicator (Type B)



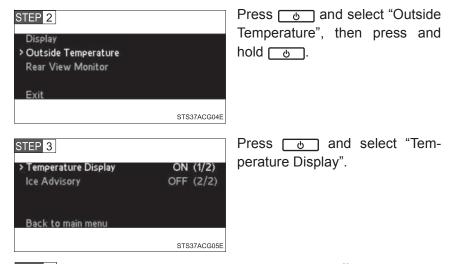
If the outside temperature lowers to $3^{\circ}C$ ($37^{\circ}F$) or below when the engine switch is in the ON position, the indicator will come on to warn the driver that roads may be icy. Check the road surface and drive carefully. (The indicator will go off when the outside temperature rises to $5^{\circ}C$ [$41^{\circ}F$].)

Changing the display (Type B)

The outside temperature display on the inside rear view mirror can be turned on/off.

Turning the outside temperature display on/off

STEP 1 Press and hold o to display the "Custom Settings Menu".



STEP 4 Press and hold ____ and select display on/off.

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FJCRUISER_OM_General_OM35B53W

STEP 5 To leave the "Temperature Settings Menu", select "Back to main menu" to return to the starting screen, then either select "Exit" or wait several seconds without pressing ____.

Setting the ice advisory indicator (Type B)

The ice advisory indicator on the inside rear view mirror can be turned on/off.

STEP 1 Press and hold o to display the "Custom Settings Menu".

STEP 2 Display > Outside Temperature Rear View Monitor	Press ত্রু and select "Outside Temperature", then press and hold <u>ত</u> .						
Exit STS37ACG04E							
STEP 3 Temperature Display ON (1/2) > Ice Advisory ON (1/2)	Press 👝 and select "Ice Advisory".						
Back to main menu							

STEP 4 Press and hold ____ and select display on/off.

STEP 5 To leave the "Temperature Settings Menu", select "Back to main menu" to return to the starting screen, then either select "Exit" or wait several seconds without pressing ____.

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Interior features

The outside temperature is displayed when

The engine switch is in the ON position.

Display

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

- When the vehicle is stopped, or moving at low speeds (less than 25 km/h [16 mph])
- When the outside temperature has changed suddenly (at the entrance/ exit of a garage, tunnel, etc.)

■When "- -" or "---" is displayed

The system may be malfunctioning. Take your vehicle to your Toyota dealer.

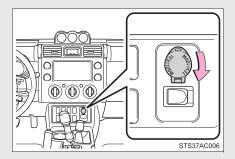
Customization that can be configured for the inside rear view mirror display (Type B)

Settings (e.g. display color) can be changed. (Customizable features \rightarrow P. 536)

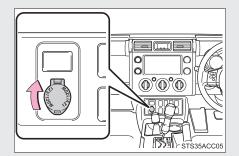
3-7. Other interior features **Power outlets**

The power outlet can be used for 12V accessories that run on less than 10A.

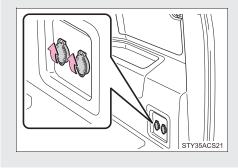
Front (left-hand drive vehicles)



Front (right-hand drive vehicles)



► Rear (if equipped)



Interior features

The power outlet can be used when

The engine switch is in the ACC or ON position.

To avoid damaging the power outlet

Close the power outlet lid when not in use. Foreign objects or liquids that enter the power outlet may cause a short circuit.

To prevent the fuse from being blown

Do not use an accessory that uses more than 12V/10A.

To prevent the battery discharge

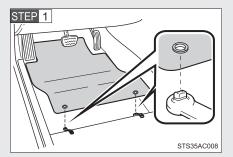
Do not use the power outlet longer than necessary when the engine is not running.

3-7. Other interior features **Armrest**

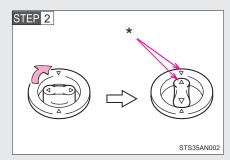


3-7. Other interior features **Floor mat**

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



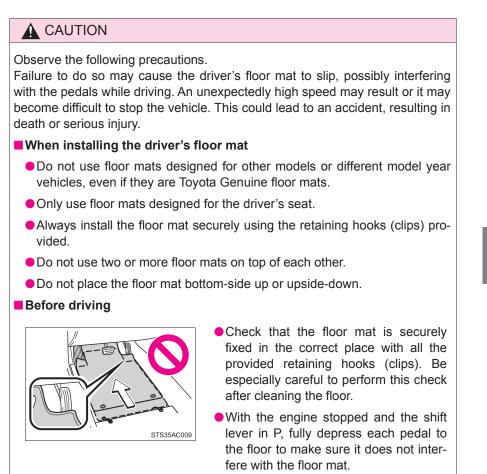
Insert the retaining hooks (clips) into the floor mat eyelets.



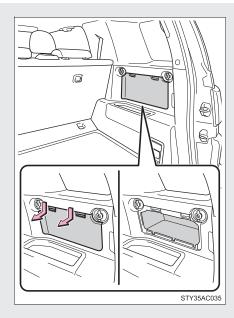
Turn the upper knob of each retaining hook (clip) to secure the floor mats in place.

*: Always align the \triangle marks.

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



3-7. Other interior features Luggage storage box (vehicles without sub woofer)



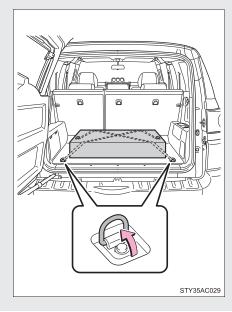
Push the lid down and pull it towards you.

Caution while driving

Keep the luggage storage box closed. Injuries may result in the event of an accident or sudden braking.

3-7. Other interior features Luggage compartment features

Tie-down hooks

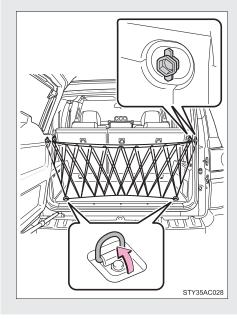


Tie-down hooks are provided for securing loose items.

Interior features

3-7. Other interior features

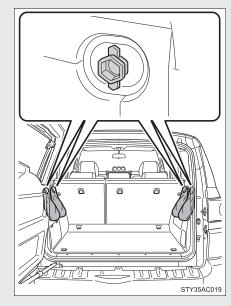
Cargo net hooks



To hang the cargo net, use the cargo net hooks and tie-down hooks.

The cargo net itself is not included as an original equipment.

Shopping bag hooks



To hang the shopping bag, use the cargo net hooks.

Interior features

CAUTION

When the tie-down hooks and cargo net hooks are not in use

To avoid injury, always return the tie-down hooks and cargo net hooks to their positions when they are not in use.

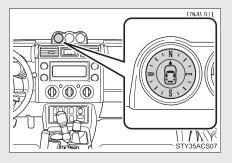
To prevent damage to the cargo net hooks and shopping bag hooks

- Do not hang any object heavier than 4 kg (8.8 lb.) on them.
- Avoid hanging things other than a cargo net on it when using the hooks as cargo net hooks.

3-7. Other interior features **Compass**^{*}

The compass indicates the direction that the vehicle is heading.

Operation



The compass points north for about 3 seconds after the engine switch is turned to the ON position, and then indicates the actual direction the vehicle facing.

When the engine switch is turned to the ACC or LOCK position, it indicates the actual direction for about 5 seconds and then points in a random direction.

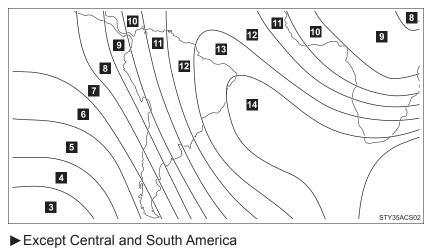
Displays and directions

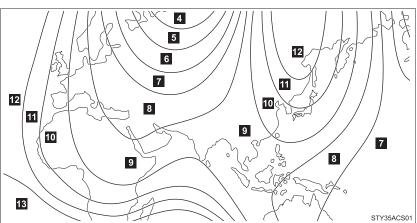
Displays	Direction
Ν	North
E	East
S	South
W	West

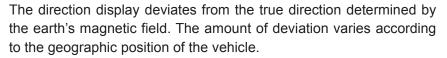
*: If equipped

Calibrating the compass

Central and South America







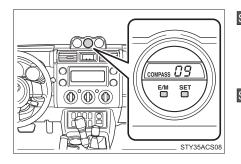
If you cross over a map boundary shown in illustration, the compass will deviate.

To obtain higher precision or perfect calibration, refer to the following.

Interior features

Deviation calibration*

STEP 1 Stop the vehicle where it is safe to drive in a circle.

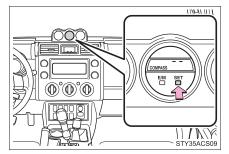


- STEP 2 Press the SET button until a number (1 to 15) appears on the outside temperature display.
- STEP 3 Press the E/M button, and referring to the map above, select the number of the zone where you are.
- STEP 4 After calibration, leave the system for 6 seconds or press the SET button for about 2 seconds.

If the display returns to the outside temperature display, the calibration is complete.

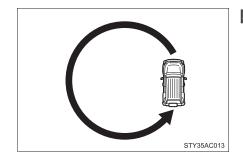
Circling calibration*

STEP 1 Stop the vehicle where it is safe to drive in a circle.



- STEP 2 Press the SET button until the zone number appears on the outside temperature display.
- STEP 3 Push the SET button. "--" will start moving.

3-7. Other interior features



STEP 4 Drive the vehicle in a circle, completing at least one full circle within 20-120 seconds. Continue until the outside temperature display returns.

> If there is not enough space to drive in a circle, drive around the block until the direction is displayed.

> When the compass display returns to the outside temperature display, calibration is complete.

When circling calibration fails, Er is displayed for 2 seconds and then COM-PASS flashes. It also flashes when circling calibration is not completed.

If you want to cancel the calibration before it is complete, press the SET button for about 2 seconds.

*: Perform when COMPASS is flashing.

Conditions unfavorable to correct operation

The compass may not show the correct direction in the following conditions:

• The vehicle is stopped immediately after turning.

The compass does not adjust while the vehicle is stopped.

• The engine switch is turned off immediately after turning.

• The vehicle is on an inclined surface.

The vehicle is in a place where the earth's magnetic field is subject to interference by artificial magnetic fields (underground car park/parking lot, under a steel tower, between buildings, roof car park/parking lot, near an intersection, near a large vehicle, etc.).

- The vehicle has become magnetized. (There is a magnet or metal object on or near the accessory meter.)
- The battery has been disconnected.

When disconnecting and reconnecting battery terminals

COMPASS flashes and the compass is reset to its initial mode.

CAUTION

While driving the vehicle

Do not adjust the display. Be sure to adjust the display only when the vehicle is stopped.

When doing the circling calibration

Be sure to secure a wide space, and watch out for people and vehicles in the neighborhood. Do not violate any local traffic rules while performing circling calibration.

3-7. Other interior features

NOTICE

To avoid the compass malfunctions

Do not place magnets or any metal objects on or near the accessory meter. Doing this may cause a malfunction of the compass sensor.

To ensure normal operation of the compass

- Do not perform circling calibration of the compass in a place where the earth's magnetic field is subject to interference by artificial magnetic fields.
- During calibration, do not operate electric systems (power windows, etc.) as they may interfere with the calibration.

3-7. Other interior features

Maintenance and care

4

4-1. Maintenance and care

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4-2. Maintenance

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4-1. Maintenance and care Cleaning and protecting the vehicle exterior

Perform the following to protect the vehicle and maintain it in prime condition.

 Working from top to bottom, liberally apply water to the vehicle body, wheel wells and underside of the vehicle to remove any dirt and dust.

Wash the vehicle body using a sponge or soft cloth, such as a chamois.

- For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- Wipe away any water.
- Wax the vehicle when the waterproof coating deteriorates.

If water does not bead on a clean surface, apply wax when the vehicle body is cool.

Automatic car washes

- Fold the mirrors and remove the antenna before washing the vehicle. Start washing from the front of the vehicle. Make sure to re-install the antenna and extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.

High pressure car washes

Do not allow the nozzles of the car wash to come within close proximity of the windows. Before entering an automatic car wash, check that the fuel filler door on your vehicle is closed properly.

Aluminum wheels

- Remove any dirt immediately by using a neutral detergent.
- Wash detergent off with water immediately after use.
- To protect the paint from damage, make sure to observe the following precautions.
 - · Do not use acidic, alkaline or abrasive detergent
 - Do not use hard brushes
 - Do not use detergent on the wheels when they are hot, such as after driving or parking in hot weather

Bumpers and side moldings

Do not scrub with abrasive cleaners.

CAUTION

Caution about the exhaust pipe

Exhaust gasses cause the exhaust pipe to become quite hot.

When washing the vehicle, be careful not to touch the pipe until it has cooled sufficiently, as touching a hot exhaust pipe can cause burns.

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 you see coal tar or tree sap on the paint surface
- · If you see dead insects, insect droppings or bird droppings on the paint
- After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
- · If the vehicle becomes heavily soiled in 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 on the surfaces of the lights.
 Wax may cause damage to the lenses.

Antenna installation and removal precautions

- Before driving, ensure that the antenna is installed.
- When the antenna is removed, such as before entering an automatic car wash, make sure to store it in a suitable place so as not to lose it. Also, before driving, make sure to reinstall the antenna in its original position.

When using a high pressure car wash

Do not bring the nozzle tip close to boots (rubber or resin manufactured cover), connectors or the following parts. The parts may be damaged if they come into contact with high-pressure water.

- · Traction related parts
- · Steering parts
- · Suspension parts
- Brake parts

4-1. Maintenance and care Cleaning and protecting the vehicle interior

The following procedures will help protect your vehicle's interior and keep it in top condition:

Protecting the vehicle interior

- Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with lukewarm water.
- If dirt cannot be removed, wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
 Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Cleaning the leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe any excess dirt and dust with a soft cloth dampened with diluted detergent.

Use a diluted water solution of approximately 5% neutral wool detergent.

- Wring out any excess water from the cloth and thoroughly wipe off all remaining traces of detergent.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture. Allow the leather to dry in a shaded and ventilated area.

Cleaning the synthetic leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe it off with a soft cloth dampened with neutral detergent diluted to approximately 1%.
- Wring out any excess water from the cloth and thoroughly wipe off remaining traces of detergent and water.

Caring for leather areas

Toyota recommends cleaning the interior of the vehicle at least twice a year to maintain the quality of the vehicle's interior.

Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not apply water. The excellent results are obtained when keeping the carpet as dry as possible.

Seat belts

Clean with mild soap and lukewarm water using a cloth or sponge. Also check the belts periodically for excessive wear, fraying or cuts.

CAUTION

Water in the vehicle

- Do not splash or spill liquid in the vehicle.
 Doing so may cause the electrical components etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet.
 (→P. 104)

Electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.

Cleaning the interior (especially instrument panel)

Do not use polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and leading to an accident, resulting in death or serious injury.

Cleaning detergents

- Do not use organic substances such as benzene or gasoline, acidic or alkaline solutions, dye, bleach or other detergent. Doing so may discolor the vehicle interior or cause streaks or damage to painted surfaces.
- Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

Preventing damage to leather surfaces

Observe the following precautions to avoid damage to and deterioration of leather surfaces.

- Remove any dust or dirt on 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 that contain 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 under the floor of the vehicle, and may also cause the body to rust.

Cleaning the inside of the rear window

- Do not use glass cleaner to clean the rear window, as this may cause damage to the rear window defogger heater wires. Use a cloth dampened with lukewarm water to gently wipe the window clean. Wipe the window in strokes running parallel to the heater wires.
- Be careful not to scratch or damage the heater wires.

4-2. Maintenance Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance is essential. Toyota recommends the following maintenance.

Scheduled maintenance

 Should be performed at specified intervals according to the maintenance schedule.

The interval for scheduled maintenance is determined by the odometer reading or the time interval, whichever comes first, shown in the schedule.

Maintenance beyond the last period should be performed at the same intervals.

Where to go for maintenance service?

It makes good sense to take your vehicle to your local Toyota dealer for maintenance service as well as other inspections and repairs.

Toyota technicians are well-trained specialists. And they are 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 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 is accordance with the Toyota maintenance schedule.

They are particularly important maintenance items. Have any deteriorated or damaged hoses replaced immediately. Note that rubber hoses will deteriorate with age, resulting in swelled, chafed or cracked condition.

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 Toyota. This record could be helpful should you ever require Warranty Service.

Does your vehicle need repair?

Be on the alert for changes in performance and sounds, and visual tip-offs that indicate service is needed. Some important clues are:

- Engine misfire, stumbling, or pinging
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning 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 driving straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal, pedal almost touches floors, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal

If you notice any of these clues, take your vehicle to your Toyota dealer, as soon as possible. Your vehicle may need adjustment or repair.

A CAUTION

If your vehicle is not properly maintained

It could result in serious damage to the vehicle and possible serious injury or death.

Warning in handling of battery

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (\rightarrow P. 415)

4-2. Maintenance Scheduled maintenance (except South Africa)

Perform maintenance by the schedule as follows:

Maintenance schedule requirements

Your Toyota needs to be serviced in accordance with the normal maintenance schedule. (See "Maintenance schedule".)

If you mainly operate your Toyota 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 Condition

- 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.

B. Driving Condition

- 1.Heavily loaded vehicle. (Example: Towing a trailer, using a camper, using a car top carrier, etc.)
- 2.Repeated short trips 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, 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 and correct or replace as necessary;

R = Replace, o	change o	or lubricate
----------------	----------	--------------

_	VICE ERVAL:	ODOMETER READING										
read	ometer ding or	×1000 km	1	10	20	30	40	50	60	70	80	MONTHS
		×1000 miles	0.6	6	12	18	24	30	36	42	48	
BA	BASIC ENGINE COMPONENTS											
1	Drive b	elts			Ι		Ι		I		I	24
2	Engine	oil		R	R	R	R	R	R	R	R	12
3	Engine	oil filter		R	R	R	R	R	R	R	R	12
4	Cooling and heater system < <see 1.="" note="">></see>						I				I	24
5	-	coolant note 2.>>					I				I	_
6	Engine oil cooler hoses and connec- tions (if equipped) < <see 1.="" note="">></see>						I				I	24
7		xhaust pipes nd mountings			I		I		I		I	12
IGNITION SYSTEM												
8	Spark	plugs	Replace at every 100000 km (60000 miles)							_		
9	Battery								12			

Maintenance operations:

I = Inspect and correct or replace as necessary; R = Replace, change or lubricate

	VICE ERVAL:	ODOMETER READING											
read	(Odometer ×1000 reading or km		1	10	20	30	40	50	60	70	80	MONTHS	
mon whic com first.	chever les	×1000 miles	0.6	6	12	18	24	30	36	42	48		
FUI	ELAND	EMISSIO	N CO	NTR	OL S'	YSTE	MS						
10	Fuel fill (includi filter in tank)	ng the									R	96	
11	Air cleaner fil- ter (include checking pre- air cleaner)				I		R		I		R	l:24 R:48	
12	2 Fuel tank cap, fuel lines, con- nections and fuel vapor con- trol valve < <see 1.="" note="">></see>						I				I	24	
13	Charco caniste						I				Ι	24	

Maintenance and care

Maintenance operations:

I = Inspect and correct or replace as necessary;

R = Replace, change or lubricate;

L = Lubricate

	ERVICE ITERVAL: ODOMETER READING											
read	ometer ding or	×1000 km	1	10	20	30	40	50	60	70	80	MONTHS
		×1000 miles	0.6	6	12	18	24	30	36	42	48	
CH	ASSIS A	ND BOD	Y	1						1		
14	Brake p and pa brake			I	I	I	I	I	I	I	I	6
15	Brake I and dru (include ing bra ings an drums)	ums e park- ke lin- d			I		I		I		I	12
16	Brake p and dis			I	I	I	I	I	I	I	I	6
17	Brake f	luid		I	I	I	R	I	I	I	R	l:6 R:24
18	Brake p and hos				I		I		I		I	12
19	Powers fluid	steering		I	I	I	I	I	I	I	I	6
20	Steerin wheel, and ste gear bo	linkage ering		I	I	I	I	I	I	I	I	6
21	grease	er shaft note 3.>>		L	L	L	L	L	L	L	L	6

Maintenance operations:

I = Inspect and correct or replace as necessary;

- R = Replace, change or lubricate
- T = Tighten to specified torque;

	VICE ERVAL:	ODOME	ODOMETER READING									
(Odometer reading or months, whichever comes first.)		×1000 km	1	10	20	30	40	50	60	70	80	MONTHS
		×1000 miles	0.6	6	12	18	24	30	36	42	48	
CH	ASSIS A	ND BOD	Y									
22	Propell bolts	er shaft		т	т	т	т	Т	т	т	т	6
23	Drive s boots	haft			I		I		I		I	24
24	Susper ball joir dust co	nts and		I	I	I	I	I	I	I	I	6
25	Automa transmi fluid						I				I	24
26	Transfe	er oil					Ι				Ι	48
27	Front d tial oil	ifferen-			I		R		I		R	I:12 R:48
28	Rear di tial oil	fferen-			I		R		I		R	I:12 R:48
29	Front a suspen	nd rear sion			I		I		I		I	12
30	Tires and tion pre	nd infla- essure		I	I	I	I	I	I	I	I	6
31	Lights, wipers washer	and		I	I	I	I	I	I	I	I	6

Maintenance and care

Maintenance operations:

I = Inspect and correct or replace as necessary;R = Replace, change or lubricate

		1										
SERVICE INTERVAL: ODOMETER READING												
(Odometer reading or		×1000 km	1	10	20	30	40	50	60	70	80	MONTHS
months, whichever comes first.)	×1000 miles	0.6	6	12	18	24	30	36	42	48		
CH	CHASSIS AND BODY											
32 Air condition- ing filter				R		R		R		R	_	
Refrigerant amount for air con- ditioner				I		I		I		Ι	12	

NOTE:

- 1.After 80000 km (48000 miles) or 48 months inspection, inspect at every 20000 km (12000 miles) or 12 months.
- 2.First replace at 160000 km (100000 miles), then replace at every 80000 km (50000 miles).
- 3.Lubricate within 24 hours after submerging.

Additional maintenance schedule

Refer to the following table for normal maintenance schedule items requiring more frequent service specific to the type of severe conditions. (For outline, see "Maintenance schedule requirements".)

roads, or roads with melted snow.
Every 10000 km (6000 miles) or 6 months
Every 5000 km (3000 miles) or 3 months
Every 10000 km (6000 miles) or 6 months
Every 5000 km (3000 miles) or 3 months
Every 5000 km (3000 miles) or 3 months
Every 5000 km (3000 miles) or 3 months
Every 10000 km (6000 miles) or 12 months
Every 40000 km (24000 miles) or 48 months
Every 10000 km (6000 miles) or 6 months
Every 10000 km (6000 miles) or 6 months

Maintenance and care

A-2: Operating on dusty roads. (Roads in areas where their pavement rate is low, or a cloud of dust often arises and the air is dry.)						
□ Replacement of engine oil	Every 5000 km (3000 miles) or 6 months					
Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months					
Inspection* or replacement of air cleaner filter (include checking pre-air cleaner)	I: Every 10000 km (6000 miles) or 12 months R: Every 40000 km (24000 miles) or 48 months					
Inspection* of brake linings and drums (include parking brake lin- ings and drums)	Every 10000 km (6000 miles) or 6 months					
Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months					
□ Lubrication of propeller shaft grease < <see 1.="" note="">></see>	Every 5000 km (3000 miles) or 3 months					
Tightening of bolts for propeller shaft	Every 5000 km (3000 miles) or 3 months					
Replacement of transfer oil	Every 40000 km (24000 miles) or 48 months					
Replacement of air conditioning filter	Every 15000 km (9000 miles)					
A-3: Operating on road which has road salt applied.						
□ Lubrication of propeller shaft grease < <see 1.="" note="">></see>	Every 5000 km (3000 miles) or 3 months					
Tightening of bolts for propeller shaft	Every 5000 km (3000 miles) or 3 months					

4-2. Maintenance

B-1: Heavily loaded vehicle. (Example: Towing a trailer, using a camper, using a car top carrier, etc.)						
Replacement of engine oil	Every 5000 km (3000 miles) or 6 months					
Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months					
Inspection* of brake linings and drums (include parking brake lin- ings and drums)	Every 10000 km (6000 miles) or 6 months					
Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months					
Lubrication of propeller shaft grease < <see 1.="" note="">></see>	Every 5000 km (3000 miles) or 3 months					
Tightening of bolts for propeller shaft	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					
Inspection* of front and rear suspension	Every 10000 km (6000 miles) or 6 months					
□ Tightening of bolts and nuts on chassis and body < <see 2.="" note="">></see>	Every 10000 km (6000 miles) or 6 months					

B-2: Repeated short trips less than 8 km (5 miles) and outside tempera- tures remain below freezing. (Engine temperature will not reach to normal temperature.)					
Replacement of engine oil	Every 5000 km (3000 miles) or 6 months				
Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months				
B-3: Extensive idling and/or low spe as police, taxi or door-to-door of					
Replacement of engine oil	Every 5000 km (3000 miles) or 6 months				
Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months				
Inspection* of brake linings and drums (include parking brake lin- ings and drums)	Every 10000 km (6000 miles) or 6 months				
Inspection* of brake pads and discs	Every 5000 km (3000 miles) or 3 months				
B-4: Continuous high speed driving speed) for over 2 hours.	(80 % or more of maximum vehicle				
Inspection* or replacement of automatic transmission fluid	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				

4-2. Maintenance

NOTE:

1.Lubricate within 24 hours after submerging.

2.For seat mounting bolts, suspension member retaining bolts.

Maintenance and care

4-3. Do-it-yourself maintenance Do-it-yourself service precautions

If you perform maintenance yourself, be sure to follow the correct procedures as given in these sections.

Items		Parts and tools
Battery condition	(→P. 415)	 Warm water Baking soda Grease Conventional wrench (for terminal clamp bolts) Distilled water
Engine coolant level	(→P. 413)	 "Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non- amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology. "Toyota Super Long Life Coolant" is pre-mixed with 50% coolant and 50% deionized water. Funnel (used only for adding cool- ant)
Engine oil level	(→P. 410)	 Toyota Genuine Motor Oil or equivalent Rag or paper towel Funnel (used only for adding oil)
Fuses	(→P. 442)	 Fuse with same amperage rating as original
Light bulbs	(→P. 452)	 Bulb with same number and watt- age rating as original Phillips-head screwdriver
Radiator and condense	er (→P. 415)	—
Tire inflation pressure	(→P. 432)	Tire pressure gauge Compressed air source

]	Items		Parts and tools
	Washer fluid	(→P. 419)	 Water Washer fluid containing antifreeze (for winter use)

CAUTION

The engine compartment contains many mechanisms and fluids that may move suddenly, become hot, or become electrically energized. To avoid death or serious injury observe the following precautions.

When working on the engine compartment

- Keep hands, clothing, and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper or 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, see a doctor.

When working near the cooling fan or radiator grille

Be sure the engine switch is off.

With the engine switch on, the cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high.

Safety glasses

Wear safety glasses to prevent flying or falling material, fluid spray, etc. from getting in the eyes.

▲ NOTICE

If you remove the air cleaner

Driving with the air cleaner removed may cause excessive engine wear due to dirt in the air.

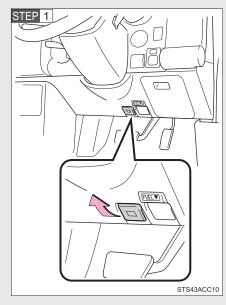
If the fluid level is low or high

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.

Release the lock from the inside of the vehicle to open the hood.

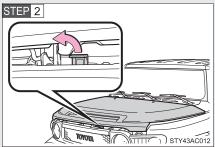
- STU-3AC066
- ► Left-hand drive vehicles
- Pull the hood release lever. The hood will pop up slightly.



► Right-hand drive vehicles

Pull the hood release lever.

The hood will pop up slightly.



Pull up the hood catch lever and lift the hood.

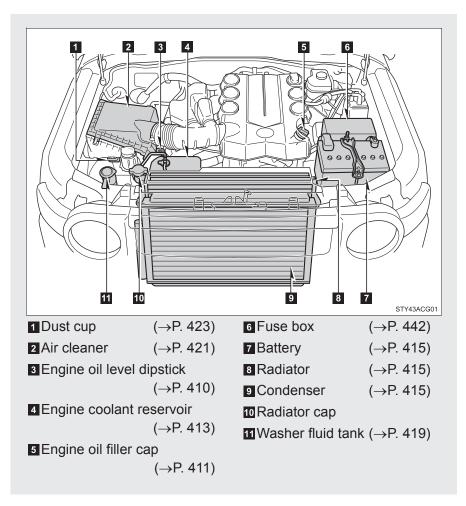
CAUTION

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.

4-3. Do-it-yourself maintenance Engine compartment



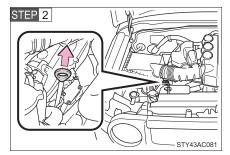
Maintenance and care

Engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

Checking the engine oil

STEP 1 Park the vehicle on level ground. After warming up the engine and turning it off, wait more than 5 minutes for the oil to drain back into the bottom of the engine.

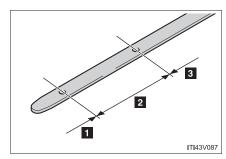


Hold a rag under the end and pull the dipstick out.

STEP 3 Wipe the dipstick clean.

STEP 4 Reinsert the dipstick fully.

STEP 5 Holding a rag under the end, pull the dipstick out and check the oil level.



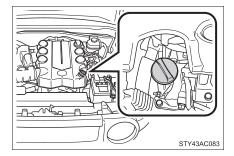


3 Excessive

The shape of the dipstick may differ depending on the type of vehicle or engine.

STEP 6 Wipe the dipstick and reinsert it fully.

Adding engine oil



If the oil level is below or near the low level mark, add engine oil of the same type as already in the engine.

Make sure to check the oil type and prepare the items needed before adding oil.

Engine oil selection	→P. 526
Items	Clean funnel

STEP 1 Remove the oil filler cap, turning it counterclockwise.

STEP 2 Add engine oil slowly.

STEP 3 Checking the dipstick.

STEP 4 Reinstall the filler cap, turning it clockwise.

The approximate quantity of oil needed to raise the level between low and full on the dipstick is indicated as follows:

1.7 L (1.8 qt., 1.5 lmp.qt.)

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

CAUTION

Used engine oil

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation or 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.

To prevent serious engine damage

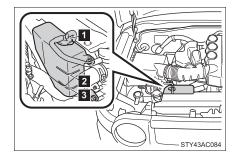
Check the oil level on regular basis.

When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, as 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.

Engine coolant

The coolant level is satisfactory if it is between the F (Full) and L (Low) lines on the reservoir when the engine is cold.



1 Reservoir cap

2 F (Full)

3 L (Low)

If the level is on or below the L line, add coolant up to the F line.

If the coolant level drops within a short time after replenishing

Visually check the radiator, hoses, reservoir cap, radiator cap, drain cock and water pump.

If you cannot find a leak, have your Toyota dealer pressure test the cap and check for leaks in the cooling system.

Coolant selection

Only use "Toyota Super Long Life Coolant" or 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 engine coolant, contact your Toyota dealer.

CAUTION

When the engine is hot

Do not remove the radiator cap.

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

When adding engine 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 damage to parts or paint.

Radiator and condenser

Check the radiator and condenser and clear any foreign objects. If either of the above parts are extremely dirty or you are not sure of their condition, have your vehicle checked by your Toyota dealer.

■When the engine is hot	

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

Battery

Check the battery as follows.

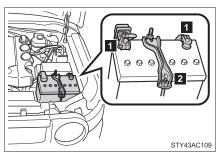
Caution symbol

The meanings of each caution symbol on the top of the battery are as follows:

	No smoking, no naked flames, no sparks	Battery acid
Ð	Shield eyes	Note operating instruc- tions
B	Keep away from children	Explosive gas

Battery exterior

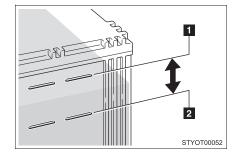
Make sure that the battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.



2 Hold-down clamp

1 Terminals

Checking battery fluid



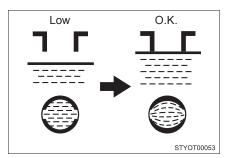
Check that the level is between the upper line and the lower line.

1 Upper line

2 Lower line

If the fluid level is at or below the lower line, add distilled water.

Adding distilled water



STEP 1 Remove the vent plug.

STEP 2 Add distilled water.

If the upper line cannot be seen, check the fluid level by looking directly at the cell.

STEP 3 Put the vent plug back on and close securely.

Before recharging

When recharging, the battery produces hydrogen gas which is flammable and explosive. Therefore, 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.

CAUTION

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 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 safety 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.
- If electrolyte gets on your skin
 Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
 It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
 Drink a large quantity of water or milk. Get emergency medical attention immediately.

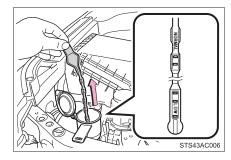
When recharging the battery

Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

When adding distilled water

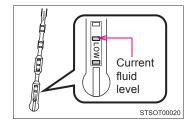
Avoid overfilling. Water spilled during battery recharging may cause corrosion.

Washer fluid



If the washer fluid level is at LOW, add washer fluid.

■Using the gauge



The washer fluid level can be checked by observing the position of the level on the liquid-covered holes in the gauge.

If the level falls below the second hole from the bottom (the "LOW" position), refill the washer fluid.

CAUTION

When refilling the washer fluid

Do not refill the washer fluid when the engine is hot or running, as the washer fluid contains alcohol and may catch fire if spilled on the engine etc.

NOTICE

Do not use any fluid other than washer fluid

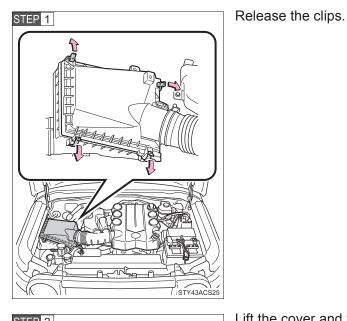
Do not use soapy water or engine antifreeze instead of washer fluid. Doing so may cause streaking on the vehicle's painted surfaces, as well as damaging the pump leading to problems of the washer fluid not spraying.

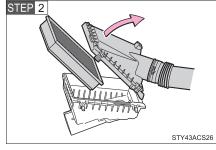
Diluting washer fluid

Dilute washer fluid with water as necessary. Refer to the freezing temperatures listed on the label of the washer fluid bottle.

Air cleaner filter

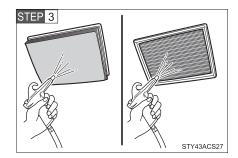
Check the air cleaner filter as follows.





Lift the cover and take out the air cleaner filter.

Inspect the outer surface of the filter, and replace the filter if it is extremely dirty.



If the filter is just moderately dusty, use compressed air to blow dust out of the filter.

CAUTION

To prevent inhaling dust

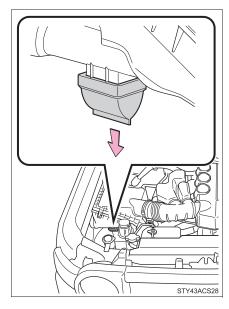
Wear a respirator when using compressed air to clean the air cleaner filter.

NOTICE

To prevent damaging the engine

Do not drive with the air cleaner filter removed. Doing so causes excessive engine wear.

Dust cup



Remove the dust cup.

If the dust cup is dusty, remove the dust.

Maintenance and care

NOTICE

When removing the dust cup

To prevent the dust cup from being damaged, do not use any tool to remove

 \wedge

it.

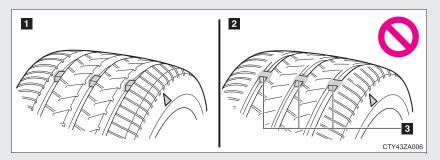
Tires

Replace or rotate tires in accordance with maintenance schedules and treadwear.

Checking tires

Check if the treadwear indicators are showing on the tires. Also check the tires for uneven wear, such as excessive wear on one side of the tread.

Check the spare tire condition and pressure if not rotated.



1 New tread

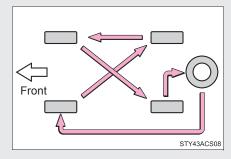
2 Worn tread

3 Treadwear indicator

The location of treadwear indicators is shown by a "TWI" or " \triangle " mark, etc., molded into the sidewall of each tire.

Replace the tires if the treadwear indicators are showing on a tire.

Tire rotation



Rotate the tires in the order shown.

To equalize tire wear and help extend tire life, Toyota recommends that you rotate your tires approximately every 10000 km (6000 miles).

The 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. If the tire pressure drops below a predetermined level, the driver is warned by a warning light. (\rightarrow P. 489)

Installing tire pressure warning valves and transmitters (vehicles with a 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 and the tire pressure warning system must be initialized. Have tire pressure warning valve and transmitter ID codes registered by your Toyota dealer. (\rightarrow P. 427)

Initializing the tire pressure warning system (vehicles with a tire pressure warning system)

- The tire pressure warning system must be initialized in the following circumstances:
- When rotating the tires on vehicles differing with front and rear tire inflation pressures.
- When changing the tire size.

When the tire pressure warning system is initialized, the current tire inflation pressure is set as the benchmark pressure.

How to initialize the tire pressure warning system

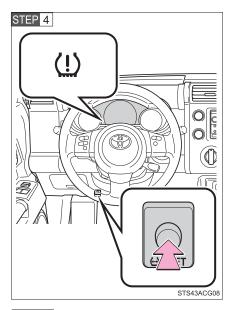
STEP 1 Park the vehicle in a safe place and turn the engine switch off.

Initialization cannot be performed while the vehicle is moving.

STEP 2 Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (\rightarrow P. 532)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

STEP 3 Turn the engine switch to the ON position.



Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks slowly 3 times.

STEP 5 Wait for a few minutes with the engine switch on, and then turn the engine switch to the ACC or LOCK position.

Registering ID codes (vehicles with a tire pressure warning system)

The tire pressure warning valve and transmitter is equipped with a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID code. Have the ID code registered by your Toyota dealer.

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 or bulges indicating internal damage
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage
- If you are not sure, consult with your Toyota dealer.
- Replacing tires and wheels (vehicles with a tire pressure warning system)

If the ID 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 1 minute and stays on to indicate a system malfunction.

Tire life

Any tire over 6 years old must be checked by a qualified technician even if they have seldom or never been used, or damage is not obvious.

Routine tire inflation pressure checks (vehicles with a tire pressure warning system)

The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

Initializing the tire pressure warning system (vehicles with a tire pressure warning system)

Initialize the system with the tire inflation pressure adjusted to the specified level.

If the tread wears down below 4 mm (0.16 in.) on snow tires

The effectiveness of snow tires is lost.

If you press the tire pressure warning reset switch accidentally (vehicles with a tire pressure warning system)

If initialization is performed, adjust the tire inflation pressure to the specified level and initialize the tire pressure warning system again.

When the initialization of the tire pressure warning system has failed (vehicles with a tire pressure warning system)

Initialization can be completed in a few minutes. However, in the following cases, the settings have not been recorded and the system will not operate properly. If repeated attempts to record tire inflation pressure settings are unsuccessful, have the vehicle inspected by your Toyota dealer.

- When operating the tire pressure warning reset switch, the tire pressure warning light does not blink 3 times.
- After driving for a certain period of time since the initialization has been completed, the warning light comes on after blinking for 1 minute.

Certification for the tire pressure warning system

TRA REGISTERED No: ER0063621/11 DEALER No: DA0063612/11

CAUTION

When inspecting or replacing tires

Observe the following precautions to prevent accidents. Failure to do so may cause damage to parts of the drive train, as well as dangerous handling characteristics, which may lead to an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns. Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and winter tires.
- Do not use tires that have been used on another vehicle.
- Do not use tires if you do not know how they were used previously.
- When initializing the tire pressure warning system (vehicles with a tire pressure warning system)

Do not operate the tire pressure warning reset switch without first adjusting the tire inflation pressure to the specified level. Otherwise, the tire pressure warning light may not come on even if the tire inflation pressure is low, or it may come on when the tire inflation pressure is actually normal.

NOTICE

Repairing or replacing tires, wheels, tire pressure warning valves, transmitters and tire valve caps (vehicles with a tire pressure warning system)

- When removing or fitting the wheels, tires or the tire pressure warning valves and transmitter, contact your Toyota dealer as the tire pressure warning valves and transmitter may be damaged if not handled correctly.
- Make sure to install the tire valve caps. If the tire valve caps are not installed, water could enter the tire pressure warning valves and the tire pressure warning valves could be bound.
- When replacing tire valve caps, do not use tire valve caps other than those specified. The cap may become stuck.
- To avoid damage to the tire pressure warning valves and transmitters (vehicles with a tire pressure warning system)

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Toyota dealer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. (\rightarrow P. 426)

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 pressures become low while driving

Do not continue driving, or your tires and/or wheels may be ruined.

4-3. Do-it-yourself maintenance **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. (\rightarrow P. 532)

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.

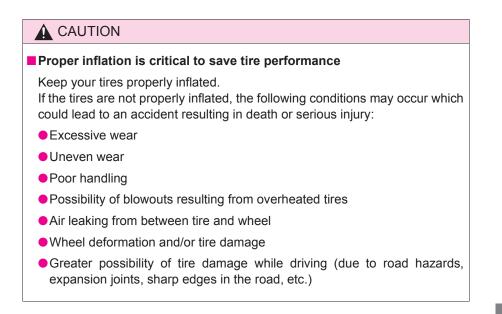
Instructions for checking tire inflation pressure

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 and 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.



When inspecting and adjusting tire inflation pressure

Be sure to reinstall the tire valve caps.

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.

Maintenance and care

4-3. Do-it-yourself maintenance **Wheels**

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause 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:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

Aluminum wheel precautions

- Use only Toyota wheel nuts and wrench designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

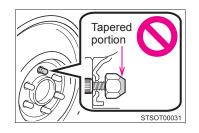
When replacing wheels (vehicles with a tire pressure warning system)

The wheels of your vehicle are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advanced warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, the tire pressure warning valves and transmitters must be installed. (\rightarrow P. 426)

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 loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire. Doing so may result in an accident, causing death or serious injury.

When installing the wheel nuts



Be sure to install the wheel nuts with the tapered ends facing inward. Installing the nuts with the tapered ends facing outward can cause the wheel to break and eventually cause the wheel to come off while driving, which could lead to an accident resulting in death or serious injury.

Never use oil or grease on the wheel bolts or wheel nuts. Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

Replacing tire pressure warning valves and transmitters (vehicles with a 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.

4-3. Do-it-yourself maintenance Air conditioning filter

The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

Vf

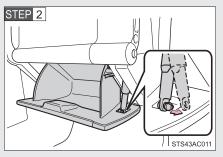
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Removal method

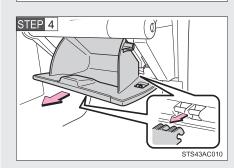
STEP 3

STEP 1 Turn the engine switch off.



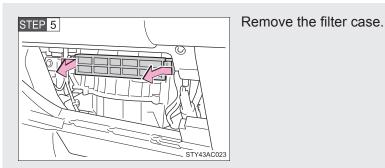
Open the glove box. Slide off the damper.

Push in each side of the glove box to disconnect the upper claws.

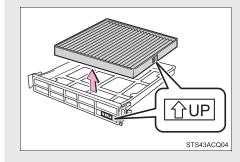


Then disconnect the claws at the bottom and remove the glove box.

Maintenance and care



Replacement method



Remove the air conditioning filter and replace it with a new one.

The "¹UP" 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. (\rightarrow P. 393)

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.

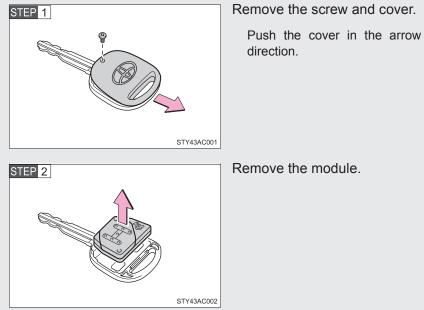
4-3. Do-it-yourself maintenance **Key battery**

Replace the battery with a new one if it is discharged.

■ You will need the following items:

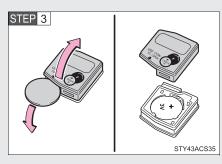
- Small Phillips-head screwdriver
- Lithium battery Vehicles sold in Republic of Panama: CR2016 Vehicles except sold in Republic of Panama: CR1616

Replacing the battery



Remove the module.

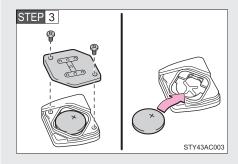
► Vehicles sold in Republic of Panama



Open the case cover using a coin protected with tape etc. and remove the depleted battery.

Insert a new battery with the "+" terminal facing up.

Vehicles except sold in Republic of Panama



Remove the 2 screws to take out the lid.

Insert a new battery with the "+" terminal facing up.

If the key battery is discharged

The following symptoms may occur.

- The wireless remote control will not function properly.
- The operational range is reduced.

Use a CR1616 or CR2016 lithium battery

- Batteries can be purchased at your Toyota dealer, jewelers, or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the local laws.

CAUTION

Removed battery and other parts

These parts are small and if swallowed by a child, they can cause choking. Keep away from children. Failure to do so could result in death or serious injury.

For normal operation after replacing the battery

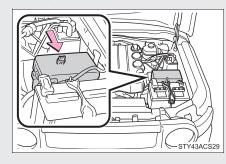
Observe the following precautions to prevent accidents.

- Always work with dry hands. Moisture may cause the battery to rust.
- Do not touch or move any other components inside the remote control.
- Do not bend either of the battery terminals.

4-3. Do-it-yourself maintenance Checking and replacing fuses

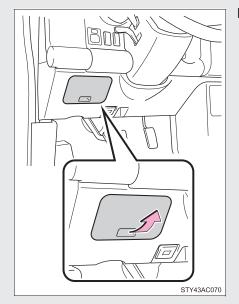
If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

- STEP 1 Turn the engine switch off.
- STEP 2 The fuses are located in the following places. To check the fuses, follow the instructions below.
- Engine compartment

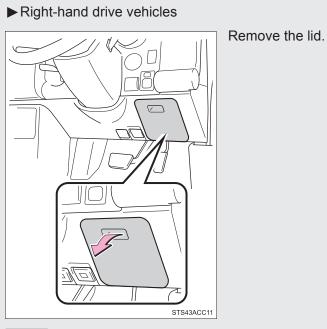


Push the tab in and lift the lid off.

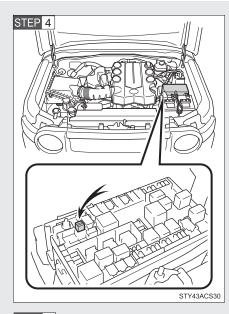
- Under the instrument panel
- ► Left-hand drive vehicles



Remove the lid.



STEP 3 After a system failure, see "Fuse layout and amperage ratings" (\rightarrow P. 446) for details about which fuse to check.



Remove the fuse with the pullout tool.

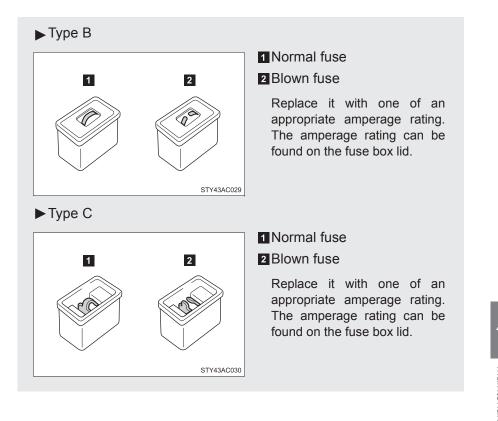
STEP 5 Check if the fuse has blown.

► Type A

1 Normal fuse

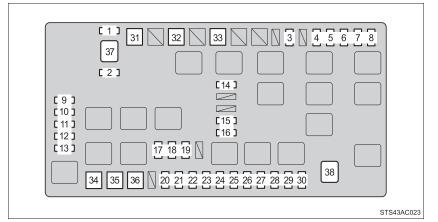
2 Blown fuse

Replace it with one of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.



Fuse layout and amperage ratings

Engine compartment

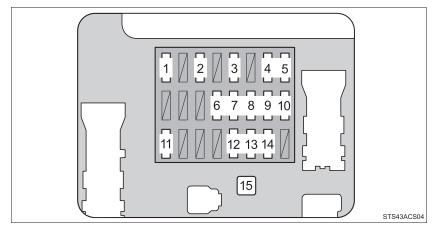


	Fuse	Ampere	Circuit
1	SPARE	10 A	Spare fuse
2	SPARE	15 A	Spare fuse
3	RR FOG	10 A	Rear fog lights
4	STOP	10 A	Stop lights, high mounted stop- light, anti-lock brake system, trac- tion control system, active traction control system, vehicle stability control system, multiport fuel injec- tion system/sequential multiport fuel injection system, shift lock sys- tem
5	DEICER	20 A	No circuit
6	AUX LP	15 A	No circuit
7	TOWING BRK	30 A	Towing connector
8	OBD	7.5 A	On-board diagnosis system
9	HEAD (LO RH)	10 A	Right-hand headlight
10	HEAD (LO LH)	10 A	Left-hand headlight

Fuse Ampere		Ampere	Circuit
11	HEAD (HI RH)	10 A	No circuit
12	HEAD (HI LH)	10 A	No circuit
13	EFI NO.2	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
14	INJ	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
15	DEFOG	30 A	Rear window defogger
16	DEFOG NO.2	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
17	DOME	10 A	Interior light, personal lights, engine switch light, clock, acces- sory meter, meter and gauge
18	RADIO NO.1	20 A	Audio system
19	ECU-B	10 A	Air conditioning system, multiplex communication system, SRS air- bag system, Crawl Control system
20	ALT-S	7.5 A	Charging system
21	AI-VSV	10 A	No circuit
22	HORN	10 A	Horn
23	A/F HEATER	15 A	Multiport fuel injection system/ sequential multiport fuel injection system
24	TRN-HAZ	15 A	Turn signal lights, emergency flashers
25	ETCS	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, electronic throttle control system

Fuse Ampere		Ampere	Circuit
26	EFI	20 A	EFI NO.2, multiport fuel injection system/sequential multiport fuel injection system
27	TOWING NO.2	30 A	Towing connector
28	DR/LCK	20 A	Door lock system, multiplex com- munication system
29	FR FOG	10 A	Front fog lights
30	RADIO NO.2	20 A	Audio system
31	AIR PMP	50 A	No circuit
32	AM1	50 A	ACC, ECU-IG, IG1, RR WSH, FR WIP-WSH, 4WD/DIFF and STA, IG1 NO.2
33	J/B	50 A	TAIL, PWR OUTLET, POWER, PANEL
34	ABS MTR	40 A	Anti-lock brake system, vehicle sta- bility control system, traction con- trol system, active traction control system
35	AM2	30 A	IGN and GAUGE, multiport fuel injection system/sequential multi- port fuel injection system, starting system
36	ABS SOL	30 A	Anti-lock brake system, vehicle sta- bility control system, traction con- trol system, active traction control system
37	ALT	120 A	AM1, DEFOG, DEFOG NO.2, STOP, OBD, J/B, AUX LP, RR FOG, TOWING BRK
38	HEATER	60 A	Air conditioning system

Under the instrument panel



Fuse		Ampere	Circuit
1	IGN	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, anti-lock brake system, vehicle stability control system, traction control system, active trac- tion control system, SRS airbag system
2	GAUGE	7.5 A	Meter and gauge
3	FR WIP-WSH*1	30 A	Windshield wipers and washer
	WIP*2	20 A	
4	4WD/DIFF*2	20 A	Four-wheel drive system, rear dif-
5	4WD/DIFF ^{*1}	2077	ferential lock system
6	PWR OUTLET*1	15 A	Power outlet
	ACC SKT ^{*2}	15 A	
7	IG1 NO.2 ^{*2}	10 A	Air conditioning system
8	RR WSH ^{*1}	15 A	Rear window wiper and washer, multiplex communication system
	WSH ^{*2}	20 A	

Fuse Ampe		Ampere	Circuit
9	ECU-IG	10 A	Anti-lock brake system, vehicle sta- bility control system, traction con- trol system, active traction control system, cruise control system, back door lock system, shift lock system, multiplex communication system, Crawl Control system
10	IG1	15 A ^{*1}	Turn signal lights, charging system, anti-lock brake system, traction control system, active traction con- trol system, vehicle stability control system, back-up lights, Toyota parking assist-sensor, rear differen- tial lock system, accessory meter, meter and gauge, rear view moni- tor system
		10 A ^{*2}	
11	STA	7.5 A	Starting system, power outlet
12	PANEL ^{*2}	7.5 A	Clock, meter and gauge, instru- ment panel light control switch, audio system, EFI ECU, air condi- tioning system, steering switch, Toyota parking assist-sensor switch, VSC off switch, rear differ- ential lock switch, active traction control switch, shift position indica- tor light, rear fog light switch, head- light leveling switch
13	TAIL	10 A	Tail lights, license plate lights, front position lights, instrument panel light control, illuminations
14	ACC	7.5 A	Shift lock system, outside rear view mirrors, audio system, power out- let, clock, accessory meter, multi- plex communication system
15	POWER	30 A	Power windows

- *1: Left-hand drive vehicles only
- *2: Right-hand drive vehicles only

After a fuse is replaced

- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P. 452)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

If there is an overload in the circuits

The fuses are designed to blow, protecting the wiring harness from damage.

CAUTION

To prevent system breakdowns and vehicle fire

Observe the following precautions.

Failing 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 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 fuse or the fuse box.

Before replacing fuses

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

4-3. Do-it-yourself maintenance Light bulbs

You may replace the following bulbs yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Toyota dealer.

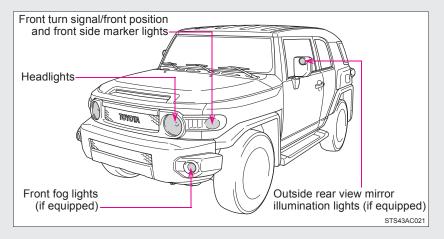
For more information about replacing other light bulbs, contact your Toyota dealer.

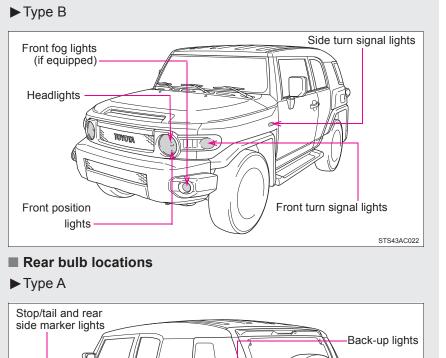
Prepare a replacement light bulb.

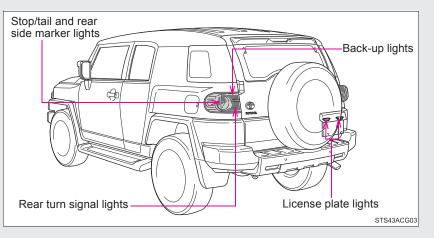
Check the wattage of the light bulb being replaced. (\rightarrow P. 533)

Front bulb locations

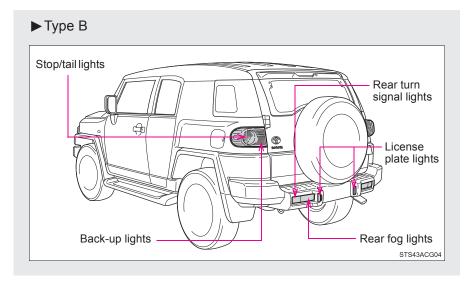
Type A





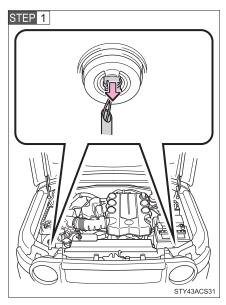




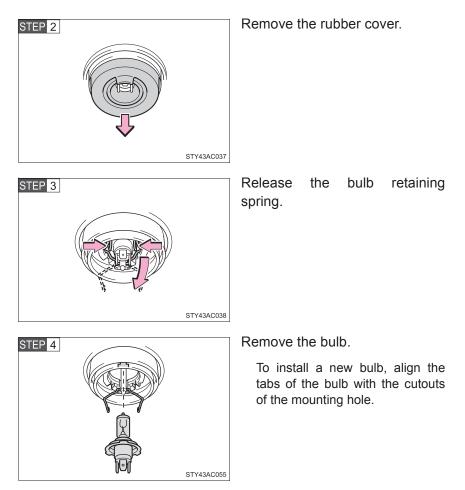


Replacing light bulbs (type A)

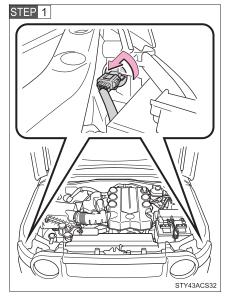
Headlights



Unplug the connector.

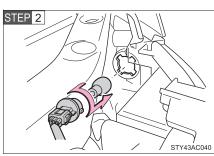


STEP 5 When installing, reverse the steps listed.



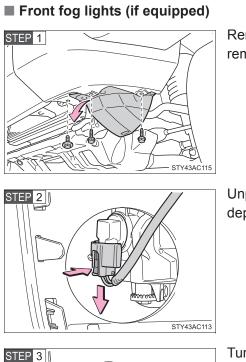
Front turn signal/front position and front side marker lights

Turn the bulb base counterclockwise.



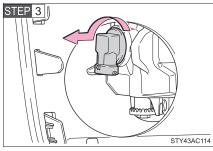
Remove the light bulb.

STEP 3 When installing, reverse the steps listed.



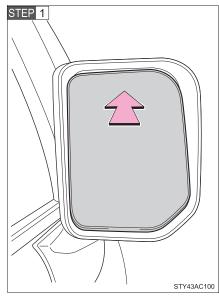
Remove the bolts and partly remove the fender liner.

Unplug the connector while depressing the lock release.



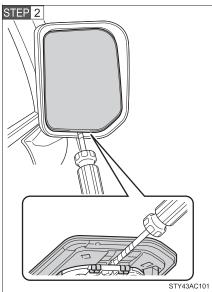
Turn the bulb counterclockwise.

STEP 4 When installing, reverse the steps listed.



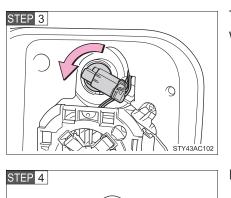
Outside rear view mirror illumination lights (if equipped)

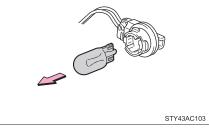
Depress the mirror.



Remove the mirror.

To prevent damaging the vehicle, wrap the screwdriver with a tape.



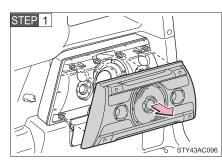


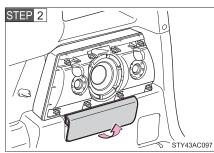
Turn the bulb base counterclock-wise.

Remove the light bulb.

STEP 5 When installing, reverse the steps listed.

- Back-up lights, stop/tail and rear side marker lights and rear turn signal lights
- Removing the sub woofer speaker (vehicles with sub woofer)

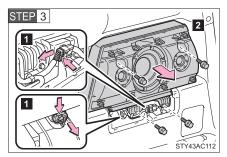




Remove the speaker cover.

Remove the cover.

Installing the sub woofer speaker. $(\rightarrow P. 472)$

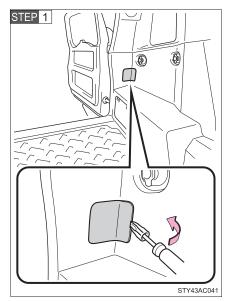


Remove the sub woofer speaker.

1 Disconnect the connectors.

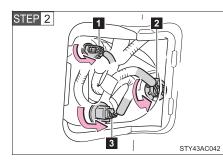
2 Remove the 4 screws and the sub woofer speaker.

 Removing the back-up, stop/tail and rear side marker and rear turn signal light bulbs



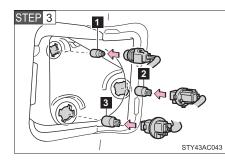
Open the back door and remove the cover.

Using a flathead screwdriver or equivalent which is wrapped with a cloth.



Turn the bulb bases counter-clockwise.

- 1 Back-up light
- 2 Stop/tail and rear side marker lights
- 3 Rear turn signal light

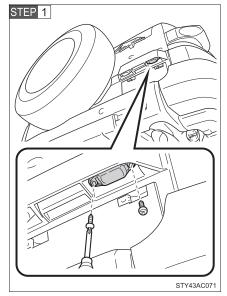


Remove the light bulb.

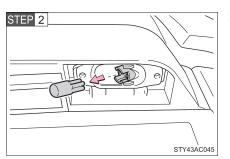
- 1 Back-up light
- 2 Stop/tail and rear side marker lights
- 3 Rear turn signal light

STEP 4 When installing, reverse the steps listed.

License plate lights



Remove the screws and cover.



Remove the light bulb.

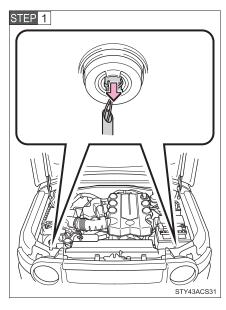
STEP 3 When installing, reverse the steps listed.

Lights other than the above

If the high mounted stoplight has burnt out, have it replaced by your Toyota dealer.

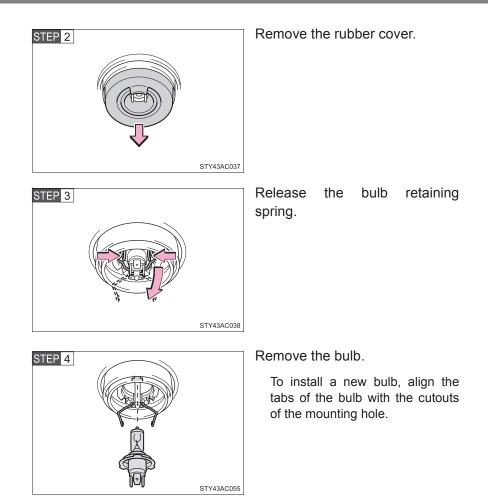
Replacing light bulbs (type B)

Headlights



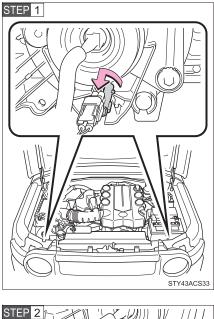
Unplug the connector.

Maintenance and care



STEP 5 When installing, reverse the steps listed.

Front position lights



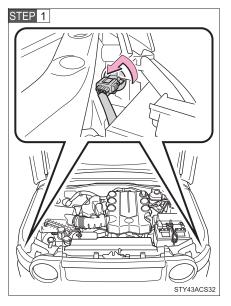
Turn the bulb base counterclockwise.

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Remove the light bulb.



STEP 3 When installing, reverse the steps listed.



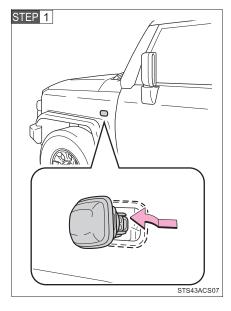
Front turn signal lights

Turn the bulb base counterclockwise.

STEP 2

STEP 3 When installing, reverse the steps listed.

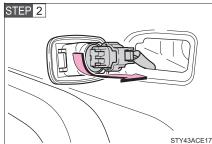
Remove the light bulb.



Side turn signal lights

Turn the bulb base counterclockwise.

Remove the side turn lens.



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STEP 3 STY43ACE18 Remove the light bulb.

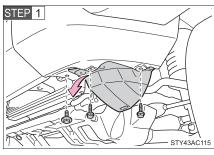
STEP 4 When installing, reverse the steps listed.

467

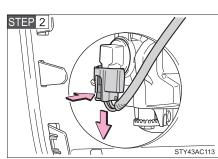
Maintenance and care

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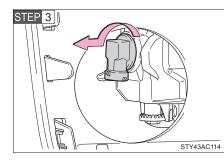
Front fog lights (if equipped)



Remove the bolts and partly remove the fender liner.



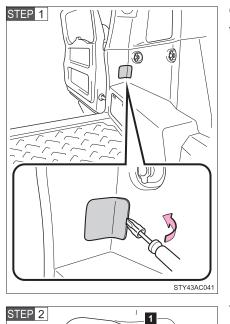
Unplug the connector while depressing the lock release.



Turn the bulb counterclockwise.

STEP 4 When installing, reverse the steps listed.

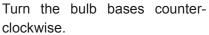
4-3. Do-it-yourself maintenance



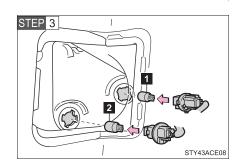
Back-up and stop/tail lights

Open the back door and remove the cover.

Using a flathead screwdriver or equivalent which is wrapped with a cloth.



- 1 Stop/tail lights
- 2 Back-up light



2

Remove the light bulb.

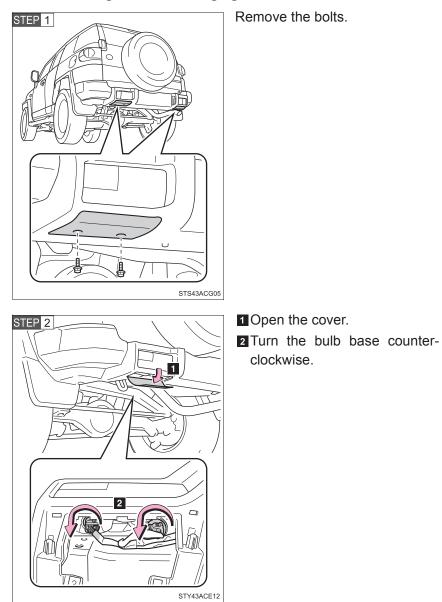
Stop/tail lights
 Back-up light

STEP 4 When installing, reverse the steps listed.

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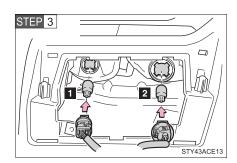
469

Maintenance and care



Rear turn signal and rear fog lights

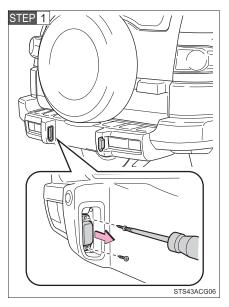
4-3. Do-it-yourself maintenance



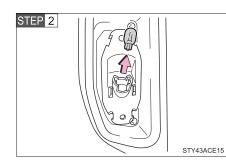
Remove the light bulb. 1 Rear turn signal light 2 Rear fog light

STEP 4 When installing, reverse the steps listed.

License plate lights



Remove the screws and cover.



Remove the light bulb.

STEP 3 When installing, reverse the steps listed.

Lights other than the above

If the high mounted stoplight has burnt out, have it replaced by your Toyota dealer.

Condensation build-up on the inside of the lens

Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction. Contact your Toyota dealer for more information in the following situations:

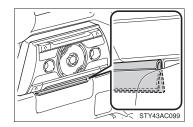
• Large drops of water are built up on the inside of the lens.

• Water has built up inside the headlight.

LED high mounted stoplight

The high mounted stoplight consists of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Toyota dealer to have the light replaced.

Installing the sub woofer speaker (vehicles with sub woofer)



Install the rubber inside the panel as shown in the illustration.

CAUTION

Replacing light bulbs

- Turn off the headlights. Do not attempt to replace the bulb immediately after turning off the headlights.
 - The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. When it is unavoidable to hold the glass portion, use and hold with a clean dry cloth to avoid getting moisture and oils on the bulb.
 - Also, if the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failing to do so
 may result in heat damage, fire, or water entering the headlight unit. This
 may damage the headlights or cause condensation to build up on the lens.

To prevent damage or fire

Make sure bulbs are fully seated and locked.

4-3. Do-it-yourself maintenance

When trouble arises

5

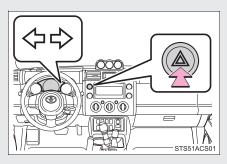
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	stuck	516
	If your vehicle has to be stopped in	
	an emergency	518

5-1. Essential information **Emergency flashers**

Use the emergency flashers if the vehicle malfunctions or is involved in an accident.



Press the switch to flash all the turn signal lights. To turn them off, press the switch once again.

To prevent battery discharge

Do not leave the emergency flashers on longer than necessary when the engine is not running.

5-1. Essential information 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.

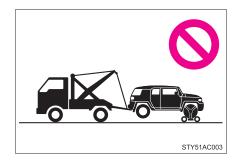
Use a safety chain system for all towing, and abide by all state/provincial and local laws.

Situations when it is necessary to contact dealers before towing

The following may indicate a problem with your transmission. Contact your Toyota dealer before towing.

- The engine is running but the vehicle does not move.
- The vehicle makes an abnormal sound.

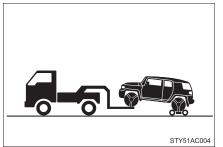
Towing with a sling-type truck



Do not tow with a sling-type truck to prevent body damage.

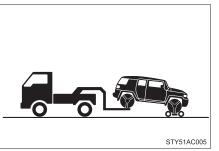
Towing with a wheel-lift type truck

► From the front



Use a towing dolly under the rear wheels.

From the rear



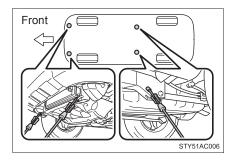
Use a towing dolly under the front wheels.

478

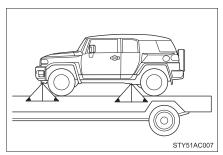
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5-1. Essential information

Using 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°.

Do not overly tighten the tie downs or the vehicle may be damaged.

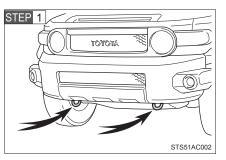
Emergency towing

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.

Only the front towing hooks may be used.

Emergency towing procedure



Securely attach cables or chains to the towing hooks.

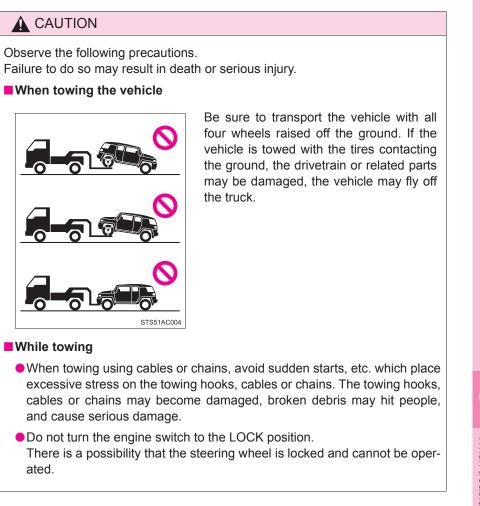
Take care not to damage the vehicle body.

- STEP 2 Enter the vehicle being towed and starting the engine. If the engine does not start, turn the engine switch to the ON position.
- STEP 3 Shift the front-wheel drive control lever in H2.
- STEP 4 Shift the shift lever to N and release the parking brake. When the shift lever cannot be shifted. (\rightarrow P. 148)

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.

5-1. Essential information



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5-1. Essential information

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 in the LOCK position or the key is removed.
- The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.
- To prevent damage to the vehicle when towing with a sling-type truck

Do not tow with a sling-type truck, either from the front or rear.

- To prevent damage to the vehicle during emergency towing
 - Do not secure cables or chains to the suspension components.

5-1. Essential information 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
- 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 misfire, stumbling or running rough
- 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

5-1. Essential information Fuel pump shut off system

To minimize the risk of fuel leakage when the engine stalls or an airbag inflates upon collision, the fuel pump shut off system stops supplying fuel to the engine.

Follow the procedure below to restart the engine after the system is activated.

STEP 1 Turn the engine switch to the ACC or LOCK position.

STEP 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.

5-2. Steps to take in an emergency If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights turn on or flash. If a light turns on or flashes, but then turns off, this does not necessarily indicate a malfunction in the system.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning light	Warning light/Details	
	Warning light/Details Brake system warning light • Low brake fluid • Malfunction in the brake system This light also 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.	

Stop the vehicle immediately.

The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning light	Warning light/Details	
	Charging system warning light Indicates a malfunction in the vehicle's charging system.	
25	Low engine oil pressure warning light Indicates that the engine oil pressure is too low [*] .	

*: The light may come on when the oil level is extremely low. It is not designed to indicate low oil level, and the oil level must be checked using the engine oil level dipstick.

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When trouble arises

Have the vehicle inspected immediately.

Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Toyota dealer immediately.

Warning light	Warning light/Details	
Ŕ	 Malfunction indicator lamp Indicates a malfunction in: The electronic engine control system; The electronic throttle control system; The electronic automatic transmission control system; or Emission control system. 	
×	 SRS warning light Indicates a malfunction in: The SRS airbag system; or The seat belt pretensioner system. 	
(ABS)	 ABS warning light Indicates a malfunction in: The ABS; or The brake assist system. 	
	 Slip indicator The indicator comes on to indicate a malfunction in: The VSC; The TRC; The active traction control system (if equipped); or The Crawl Control system (if equipped). 	
(Flashes rapidly)	Four-wheel drive indicator (if equipped) Indicates a malfunction in the four-wheel drive sys- tem.	
A/T P	Unengaged "Park" warning light Malfunction in the transmission "Park" mechanism.	

Warning light	Warning light/Details	
(Flashes)	Cruise control indicator light (if equipped) Indicates a malfunction in the cruise control system.	

Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Warning light	Warning light/Details	Correction procedure
	Open door warning light Indicates that a door, back door or glass hatch is not fully closed.	Check that all doors and glass hatch are closed.
(On the instrument cluster)	Driver's seat belt reminder light (warning buzzer) ^{*1,3} Warns the driver to fas- ten his/her seat belt.	Fasten the seat belt.
(On the center panel)	Front passenger's seat belt reminder light (warning buzzer) ^{*2,3} Warns the front passen- ger to fasten his/her seat belt.	Fasten the seat belt.

Warning light	Warning light/Details	Correction procedure
	Automatic transmission fluid temperature warn- ing light	
A/T OIL TEMP	When the light comes on: Indicates that the auto- matic transmission fluid temperature is too high.	Immediately stop the vehicle in a safe place, shift the shift lever to P and wait until the light goes off. If the light goes off, you may start the vehicle again. If the light does not go off, contact your Toyota dealer.
	When the light flashes: Indicates a malfunction in the automatic transmis- sion system.	Have the system checked by your Toyota dealer.
	Low fuel level warning light Low level of fuel.	Refuel the vehicle.
120 km/h (for G.C.C. coun- tries ^{*4} , Republic of Yemen, Jordan, Lebanon, Syrian Arab Republic and Republic of the Philippines)	Speed warning light (warning buzzer) Indicates that your vehi- cle speed reaches or exceeds 120 km/h (75 mph).	Slow down at 120 km/h (75 mph) or less.

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Warning light	Warning light/Details	Correction procedure
	Tire pressure warning light (if equipped)	
	 When the light comes on: Low tire inflation pressure such as Natural causes (→P. 492) Flat tire (→P. 495) 	Adjust the tire inflation pressure (including the spare tire) to the speci- fied level. The light will turn off after a few minutes. In case the light does not turn off even if the tire inflation pressure is adjusted, have the sys- tem checked by your Toyota dealer.
	When the light comes on after blinking for 1 min- ute: Malfunction in the tire pressure warning sys- tem (\rightarrow P. 493)	Have the system checked by your Toyota dealer.

*1: Driver's seat belt reminder (except for South Africa):

The driver's seat belt reminder sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to the ON or START position, the buzzer sounds for 6 seconds. If the vehicle has reached a speed of at least 20 km/h (12 mph), the buzzer sounds intermittently for 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

*2: Front passenger's seat belt reminder (except for South Africa):

The front passenger's seat belt reminder sounds to alert the front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle has reached a speed of at least 20 km/h (12 mph). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

*³: Driver's and front passenger's seat belt reminder buzzer (for South Africa):

The driver's and front passenger's seat belts reminder sounds to alert the driver and front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 30 seconds after the vehicle has reached a speed of at least 20 km/h (12 mph). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 90 more seconds.

*4: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

Key reminder buzzer

The buzzer indicates that the key has not been removed (with the engine switch in the ACC or LOCK position and the driver's door opened).

If the malfunction indicator lamp comes on while driving

First check the following:

- Is your vehicle low on gas?
 If it is, refuel the vehicle immediately.
- For vehicles sold in Republic of Chile: Is the fuel tank cap loose? If it is, tighten it securely.

The light will go off after taking several driving trips. If the light does not go off even after several trips, contact your Toyota dealer as soon as possible.

Speed warning buzzer (for G.C.C. countries^{*}, Republic of Yemen, Jordan, Lebanon, Syrian Arab Republic and Republic of the Philippines)

The buzzer indicates that your vehicle speed reaches or exceeds 120 km/h (75 mph).

*: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait

Front passenger detection sensor and passenger seat belt reminder

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash, 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.
- When the tire pressure warning light comes on (vehicles with a tire pressure warning system)

Check the tire inflation pressure and adjust to the appropriate level. Pushing the tire pressure warning reset switch does not turn off the tire pressure warning light.

The tire pressure warning light may turn on due to natural causes (vehicles with a tire pressure warning system)

The tire pressure warning light may come on due to natural causes such as natural air leaks and tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

When a tire is replaced with a temporary spare tire (vehicles with a tire pressure warning system)

The spare tire is also equipped with a tire pressure warning valve and transmitter. The tire pressure warning light will turn on if the tire inflation pressure of the spare tire is low. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire has been replaced with the spare tire. Replace the spare tire with the repaired tire and adjust the tire inflation pressure. The tire pressure warning light will go off after a few minutes.

If the tire pressure warning system is not functioning (vehicles with a tire pressure warning system)

The tire pressure warning system will be disabled in the following conditions: (When the condition becomes normal, the system will work properly.)

- If tires not equipped with 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.
- If the tire inflation pressure is 500 kPa (5.1 kgf/cm² or bar, 73 psi) or higher.

The tire pressure warning system may be disabled in the following conditions:

- (When the condition becomes normal, the system will work properly.)
- If electronic devices or facilities using similar radio wave frequencies are nearby.
- If a radio set at similar frequencies is in use in the vehicle.
- If a window tint that affects the radio wave signals is installed.
- If there is a lot of snow or ice on the vehicle, particular around the wheels or wheel housings.

- If non-genuine Toyota wheels are used. (Even if you use Toyota wheels, the tire pressure warning system may not work properly with some types of tires.)
- If tire chains are used.
- If the spare tire is in a location subject to poor radio wave signal reception.
- If a large metallic object which can interfere with signal reception is put in the luggage room.
- If the tire pressure warning light frequently comes on after blinking for 1 minute (vehicles with a tire pressure warning system)

If the tire pressure warning light frequently comes on after blinking for 1 minute when the engine switch is turned to the ON position, have it checked by your Toyota dealer.

CAUTION

If the tire pressure warning light comes on (vehicles with a tire pressure warning system)

Be sure to observe the following precautions. Failure to do so could cause 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.
- 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 the tire is flat, change it with 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 a 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 a tire pressure warning system)

Do not install tires with different specifications or makers, as the tire pressure warning system may not operate properly.

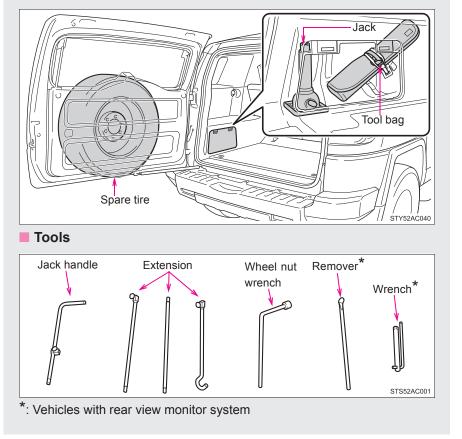
5-2. Steps to take in an emergency **If you have a flat tire**

Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.

Before jacking up the vehicle

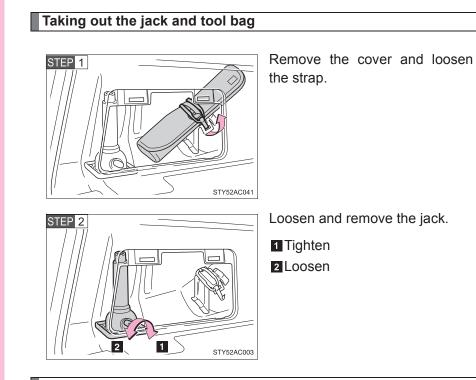
- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the engine.
- Turn on the emergency flashers.

Location of the spare tire, jack and tools

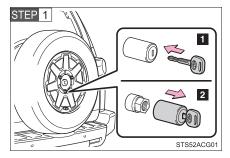


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When trouble arises

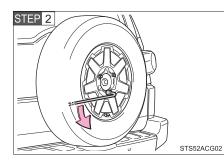


Taking out the spare tire (vehicles without rear view monitor system)



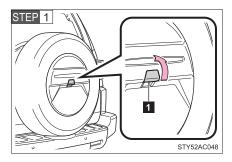
Unlocking the spare tire lock system.

Insert the key into the cylinder.
 Remove the key and cylinder.



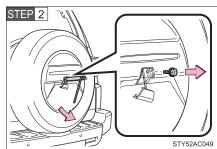
Turn the hold-down nuts counterclockwise with the wheel nut wrench and remove them.

Taking out the spare tire (vehicles with rear view monitor system)



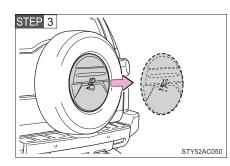
Remove the bolt cover.

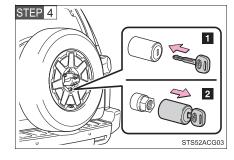
1 Bolt cover



Remove the bolt which fixes the spare wheel cover using the wrench in the tool bag (\rightarrow P. 495).

When trouble arises

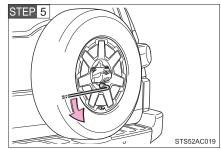




Remove the spare wheel cover.

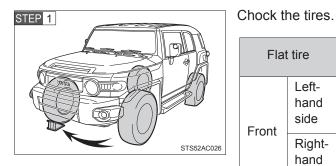
Unlocking the spare tire lock system.

Insert the key into the cylinder.
 Remove the key and cylinder.

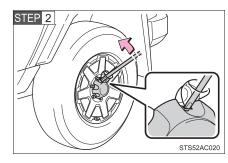


Turn the hold-down nuts counterclockwise with the wheel nut wrench and remove them.

Replacing a flat tire

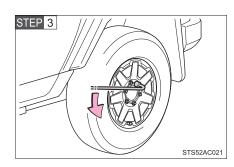


Flat tire		Wheel chock positions
Front	Left- hand side	Behind the rear right-hand side tire
	Right- hand side	Behind the rear left-hand side tire
Rear	Left- hand side	In front of the front right-hand side tire
	Right- hand side	In front of the front left-hand side tire



Remove the wheel ornament using the remover as shown.

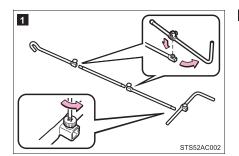
To protect the wheel and wheel ornament, place a rag between the remover and the wheel ornament, as shown in the illustration.



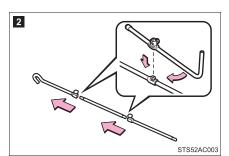
Slightly loosen the wheel nuts (one turn).

STEP 4 Assembling the jack handle.

Remove the jack handle, jack handle extension bar and jack handle bar from the tool box and assemble by following these steps.



Loosen the bolts and the screw using either the jack handle or a screwdriver.

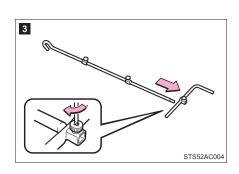


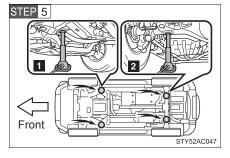
Assemble the jack handle extension bar and the jack handle bar and tighten the bolts.

Check that the bolts are firmly tightened.

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STEP 6

STEP 7

3 Assemble the jack handle extension bar and the jack handle and tighten the screw.

Check that the screw is firmly tightened.

Position the jack at the correct jack point as shown.



2 Rear

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Make sure the jack is positioned on a level and solid place.

Raise the vehicle until the tire is slightly raised off the ground.

When positioning the jack under the rear axle housing, make sure the groove on the top of the jack fits with the rear axle housing.

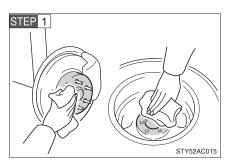
Remove all the wheel nuts and the tire.

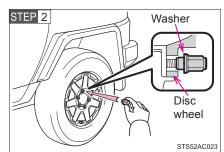
When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

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Installing the tire



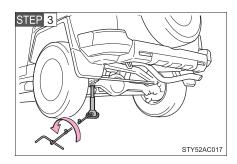


Remove any dirt or foreign matter from the wheel contact surface.

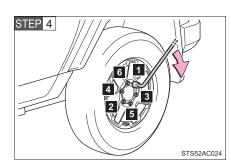
If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

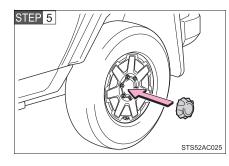
Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

Tighten the nuts until the washer of the nut comes into loose contact with the disc wheel.



Lower the vehicle.





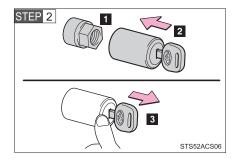
Firmly tighten each nut two or three times in the order shown in the illustration.

Tightening torque: 103 N·m (10.5 kgf·m, 76 ft·lbf)

Reinstall the wheel ornament.

Stowing the flat tire, jack and all tools

STEP 1 Install the flat tire in the reverse order of removal.



Locking the spare tire lock system

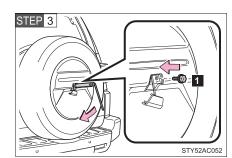
1 Tighten the spare tire lock nut.

Tightening torque: 60 N·m (6.1 kgf·m, 44 ft·lbf)

- 2 Insert the key and cylinder.
- Remove the key while holding the cylinder in place.

Check that the cylinder is locked securely.

5-2. Steps to take in an emergency



Vehicles with rear view monitor system: Install the spare wheel cover in the reverse order of removal.

1 Tighten the bolt.

Tightening torque: 14 N·m (1.4 kgf·m, 10 ft·lbf)

STEP 4 Stow the tools and jack securely.

CAUTION

Using the jack

Improper use of the jack may lead to death or serious injury due to the vehicle suddenly falling off the jack.

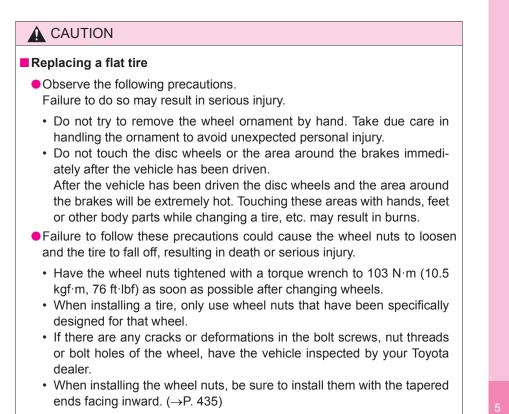
- Do not use the jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the jack that comes with this vehicle for replacing a flat tire.
 Do not use it on other vehicles, and do not use other jacks for replacing tires on this vehicle.
- Always check that the jack is securely set to the jack point.
- Do not put any part of your body under the vehicle supported by a jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is in it.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.

• Use a jack stand if it is necessary to get under the vehicle.

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 square head bolts securely to prevent the extension parts from coming apart unexpectedly.



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FJCRUISER_OM_General_OM35B53W

5-2. Steps to take in an emergency

NOTICE Do not drive the vehicle with a flat tire Do not continue driving with a flat tire. Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair. To prevent damage to the spare tire lock nut and cylinder Do not install anything other than the spare tire carrier. To prevent damage to the wheel ornament (vehicles with rear view monitor system) Do not install a wheel with the ornament attached onto the back door. To prevent damage to the camera (vehicles with rear view monitor system) Be careful not to impact or damage the camera when installing or removing the spare tire.

5-2. Steps to take in an emergency **If the engine will not start**

If the engine still does not start after following the correct starting procedure (\rightarrow P. 144) or releasing the steering lock (\rightarrow P. 145), confirm the following points.

The engine will not start even when the starter motor operates normally.

One of the following may be the cause of the problem.

- There may not be sufficient fuel in the vehicle's tank. Refuel the vehicle.
- The engine may be flooded. Try to restart the engine once more following correct starting procedures.
- There may be a malfunction in the engine immobilizer system.
 (→P. 96)
- 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. (\rightarrow P. 509)
- The battery terminal connections may be loose or corroded.
- The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound. One of the following may be the cause of the problem.
 - One or both of the battery terminals may be disconnected.
 - The battery may be discharged. (\rightarrow P. 509)

Contact your Toyota dealer if the problem cannot be repaired, or if repair procedures are unknown.

5-2. Steps to take in an emergency **If you lose your keys**

New genuine Toyota keys can be made by your Toyota dealer using one of the master keys and the key number stamped on your key number plate. (\rightarrow P. 42)

If you lose all your master keys

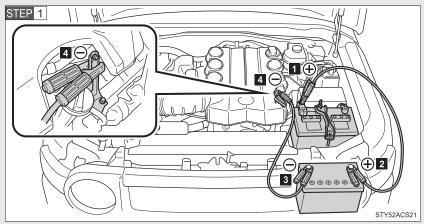
You cannot make new keys; the whole engine immobilizer system must be replaced.

5-2. Steps to take in an emergency 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 call your Toyota dealer or qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Toyota following the steps below.



Connecting the jumper cables

1 Positive (+) battery terminal on your vehicle

2 Positive (+) battery terminal on the second vehicle

3 Negative (-) battery terminal on the second vehicle

Connect the jumper cable to ground on your vehicle as shown in the illustration.

- STEP 2 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.
- STEP 3 Maintain the engine speed of the second vehicle and start the vehicle's engine.

STEP 4 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order in which they were connected.

Once the engine starts, have the vehicle checked at your Toyota dealer as soon as possible.

Starting the engine when the battery is discharged

The engine cannot be started by push-starting.

Avoiding a discharged battery

- Turn off the headlights and the audio system while the engine is turned off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic, etc.

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.)

CAUTION

To avoid battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery.

- Make sure the jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any part other than the intended terminal.
- Do not allow the jumper cables to come into contact with the "+" and "-" terminals.
- 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.

5-2. Steps to take in an emergency

▲ NOTICE

When handling jumper cables

Be careful that the jumper cables do not become tangled in the cooling fan or any of the belts when connecting or disconnecting them.

5-2. Steps to take in an emergency **If your vehicle overheats**

The following may indicate that your vehicle is overheating.

- The needle of the engine coolant temperature gauge (→P. 156) enters the red zone or a loss of engine power is experienced. (For example, the vehicle speed does not increase.)
- Steam comes out from under the hood.

Correction procedures

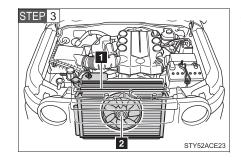
STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the engine.

STEP 2 If you see steam:

Carefully lift the hood after the steam subsides.

If you do not see steam:

Carefully lift the hood.



After the engine has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.

1 Radiator

2 Cooling fan

If a large amount of coolant leaks, immediately contact your Toyota dealer.

The coolant level is satisfactory if it is between the F (Full) and L (Low) lines on the reservoir.

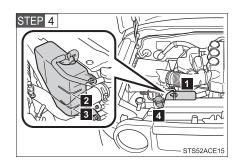
Engine coolant reservoir

- 2 F (Full)
- 3 L (Low)

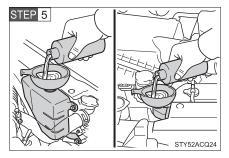
4 Radiator cap

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When trouble arises



5-2. Steps to take in an emergency



Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.

STEP 6 Start the engine to check that the radiator cooling fan operates and to check for coolant leaks from the radiator or hoses.

STEP 7 If the fan is not operating:

Stop the engine immediately and contact your Toyota dealer.

If the fan is operating:

Have the vehicle inspected at the nearest Toyota dealer.

- To prevent an accident or injury when inspecting under the hood of your vehicle
 - 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, causing serious injury such as burns.
 - •Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fan and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.
 - Do not loosen the radiator cap and coolant reservoir cap while the engine and radiator are hot.

Serious injury, such as burns, may result from hot coolant and steam released under pressure.

NOTICE

When adding engine coolant

Wait until the engine has cooled down before adding engine coolant. When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

To prevent damage to the cooling system

Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use any coolant additives.

5-2. Steps to take in an emergency If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

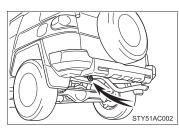
- STEP 1 Stop the engine. Set the parking brake and put the shift lever in P.
- STEP 2 Remove the mud, snow, or sand from around the stuck tire.
- STEP 3 Place wood, stones or some other material to help provide traction under the tires.

STEP 4 Restart the engine.

STEP 5 Turn off the VSC. (\rightarrow P. 213)

STEP 6 Carefully apply the accelerator to free the vehicle.

Emergency hook



When your vehicle becomes stuck and cannot move, the emergency hook is used for another vehicle to pull your vehicle out in an emergency.

Your vehicle is not designed to tow another vehicle.

Do not use the rear hook. It is not designed for towing.

CAUTION

When attempting to free a stuck vehicle

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. 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 and result in death or serious injury.

To avoid damaging the transmission and other components

- Avoid spinning the wheels and do not rev the engine.
- If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.
- ●When the automatic transmission fluid temperature warning light comes on while attempting to free a stuck vehicle, immediately remove your foot from the accelerator pedal and wait until the warning light turns off. Otherwise, the transmission may become damaged. (→P. 487)

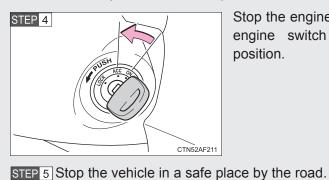
5-2. Steps to take in an emergency If your vehicle has to be stopped in an emergency

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:

STEP 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.

- STEP 2 Shift the shift lever to N.
- ► If the shift lever is shifted to N
- STEP 3 After slowing down, stop the vehicle in a safe place by the road.
- STEP 4 Stop the engine.
- ▶ If the shift lever cannot be shifted to N
- STEP 3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.



Stop the engine by turning the engine switch to the ACC position.

CAUTION

If the engine has to be turned off while driving

- Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.
- Never attempt to remove the key, as doing so will lock the steering wheel.

5-2. St	teps to	take i	n an	emerg	jency
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Vehicle specifications 6 7 6

6-1. Specifications Maintenance data (fuel, oil level, etc.)

Dimensions and weights

Overall length		4670 mm (183.9 in.)
		. ,
Overall width		1905 mm (75.0 in.)
Overall height*1		1830 mm (72.0 in.)
Wheelbase		2690 mm (105.9 in.)
Front tread		1605 mm (63.2 in.)
Rear tread		1605 mm (63.2 in.)
Gross vehicle mass		2510 kg (5534 lb.)
Maximum permissible axle	Front	1280 kg (2822 lb.)
capacity	Rear	1380 kg (3042 lb.)
Drawbar load ^{*2}		120 kg (264 lb.)
Towing capacity*2	Without brake	750 kg (1653 lb.)
	With brake	1500 kg (3307 lb.)

*1: Unladen vehicle
*2: Left-hand drive vehicles and South Africa

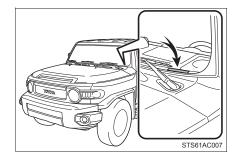
Vehicle identification

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.

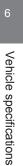
It is forbidden to cover, paint, weld, drill, alter or remove the vehicle identification number (VIN).

STS61AC008

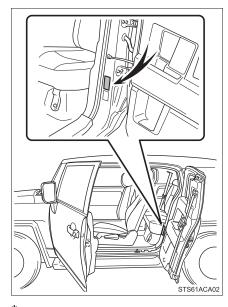


This number is stamped on the top left of the instrument panel (G.C.C. countries^{*}, Republic of Yemen, Jordan, Lebanon, Syrian Arab Republic, Libya, South Africa and Republic of the Philippines).

This number is stamped on the front right frame.



6-1. Specifications



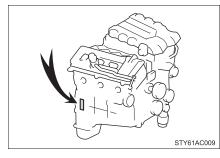
This number is also on the manufacturer's label (except G.C.C. countries^{*}, Republic of Yemen, Jordan and Lebanon) or the Certification Regulation label (G.C.C. countries^{*}, Republic of Yemen, Jordan and Lebanon).

- *: Saudi Arabia, Sultanate of Oman, Bahrain, United Arab Emirates, Qatar, Kuwait
- Year of manufacture and country of origin (G.C.C. countries*, Republic of Yemen, Jordan and Lebanon)

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.

Engine

Model	1GR-FE
Туре	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.)
Drive belt tension	Automatic adjustment
Valve clearance	Automatic adjustment
Maximum vehicle speed*1	175 km/h (109 mph)
Maximum torque ^{*1} (NET)	380 N·m (38.8 kgf·m, 280.3 ft·lbf) @4400 rpm
Maximum output ^{*1} (NET)	200 kW (268.1 HP) @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. (\rightarrow P. 523)

Fuel

Fuel type		Premium unleaded gasoline only
Research Octane Number		95 (Octane rating 91) or higher
Fuel tank capacity	72.0 L (19.0 gal., 15.8 lmp.gal.)	
(Reference)	Vehicles with sub fuel tank	159.0 L (42.0 gal., 35.0 lmp.gal.)

Lubrication system

Oil capacity (Drain and refill - reference [*])	
► With filter	 Vehicles with oil cooler 6.2 L (6.6 qt., 5.5 lmp.qt.) Vehicles without oil cooler 6.1 L (6.4 qt., 5.4 lmp.qt.)
► Without filter	5.7 L (6.0 qt., 5.0 Imp.qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

Engine oil selection

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

Oil grade:

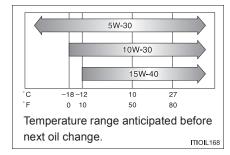
5W-30 and 10W-30:

API grade SL "Energy-Conserving", SM "Energy-Conserving" or SN "Resource-Conserving"; or ILSAC multigrade engine oil

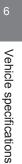
15W-40:

API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):



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.

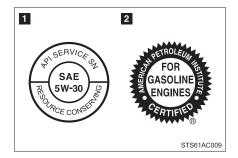


Oil viscosity (5W-30 is explained here as an example):

- 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 labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



1 API Service Symbol

Top portion: "API SERVICE SN" means the oil quality designation by American Petroleum Institute (API).

Center portion: "SAE 5W-30" means the SAE viscosity grade. Lower portion: "Resource-Conserving" means that the oil has fuel-saving and environmental protection capabilities.

2 ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

Cooling system

Capacity	9.8 L (10.4 qt., 8.6 Imp.qt.)
Coolant type	 Use either of the following. "Toyota Super Long Life Coolant" Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

Ignition system

Spark plug	
Make DENSO	SK16HR11
Gap	1.1 mm (0.043 in.)

Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust gap when tuning engine.

Electrical system

Battery		1.250 — 1.290 Fully charged
Specific gravity reading at		1.160 — 1.200 Half charged
20°C (68°F):		1.060 — 1.100 Discharged
Charging rates	Quick charge Slow charge	15 A max. 5 A max.

Differential

Front	1.55 L (1.64 qt., 1.36 Imp.qt.)	
Oil capacity	Rear	 Vehicles with rear differential lock 2.45 L (2.59 qt., 2.16 lmp.qt.) Vehicles without rear differential lock 2.50 L (2.64 qt., 2.20 lmp.qt.)
Oil type and viscosity*	Front	Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent
	Rear	Toyota Genuine Differential Gear Oil LT 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*	10.7 L (11.3 qt., 9.4 lmp.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 automatic transmission fluid other than "Toyota Genuine ATF WS" may cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage the automatic transmission of your vehicle.

Transfer

Oil capacity	1.0 L (1.1 qt., 0.9 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 ^{*1}	54 mm (2.1 in.) Min.
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)
Parking brake lever travel*2	5 — 7 clicks
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3

*1: Minimum pedal clearance when depressed with a force of 490 N (50 kgf, 110 lbf) with the engine running.

*2: Parking brake lever travel when pulled with a force of 196 N (20.0 kgf, 44.1 lbf).

Chassis lubrication			6
Propeller shafts			
	Spider	Lithium base chassis grease, NLGI No.2	Vehicle
	Slide yoke	Molybdenum-disulfide lithium base chassis grease, NLGI No.2 or lithium base chassis grease, NLGI No.2	cle specifica

6-1. Specifications

Steering

Free play	Less than 30 mm (1.2 in.)
Power steering fluid type	Automatic transmission fluid DEXRON [®] II or III

Tires and wheels

Tire size	265/70R17 115S
Tire inflation pressure (Recommended cold tire inflation pressure)	Front tires: 220 kPa (2.2 kgf/cm ² or bar, 32 psi) Rear tires: 220 kPa (2.2 kgf/cm ² or bar, 32 psi)
Wheel size	17 × 7 1/2 J
Wheel nut torque	103 N·m (10.5 kgf·m, 76 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

► Type A

	Light Bulbs	W	Туре
	Headlights	60/55	А
	Front fog lights (if equipped)	19	В
	Front turn signal/front position and front side marker lights	21/5	С
Exterior	Outside rear view mirror illumination lights (if equipped)	5	D
	Rear turn signal lights	21	E
	Stop/tail and rear side marker lights	21/5	D
	Back-up lights	16	D
	License plate lights	5	D
Interior	Personal lights Vehicles with overhead console Vehicles without overhead console	5 8	D D
	Center interior light	8	F
	Rear interior light	8	F

- A: HB2 halogen bulbs
- B: H16 halogen bulbs
- C: Single end bulbs
- D: Wedge base bulbs (clear)
- E: Wedge base bulbs (amber)
- F: Double end bulbs

▶ Туре В

	Light Bulbs	W	Туре
	Headlights	60/55	А
	Front fog lights (if equipped)	19	В
	Front position lights	5	D
	Front turn signal lights	21/5	С
Exterior	Side turn signal lights	5	D
Exterior	Rear turn signal lights	16	D
	Stop/tail lights	21/5	D
	Rear fog lights	21	D
	Back-up lights	16	D
	License plate lights	5	D
Interior	Personal lights Vehicles with overhead console Vehicles without overhead console	5 8	D D
	Center interior light	8	E
	Rear interior light	8	E

- A: H4 halogen bulbs
- B: H16 halogen bulbs
- C: Single end bulbs D: Wedge base bulbs
- E: Double end bulbs

6-1. Specifications Fuel information

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).

Use of ethanol blended gasoline in a gasoline engine

Toyota allows the use of ethanol blended gasoline where the ethanol content is up to 10%. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

If your engine knocks

- Consult your Toyota dealer:
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. The is normal and there is no need for concern.

Notice on fuel quality

- Do not use improper fuels. If improper fuels are used the engine will be damaged.
- Do not use gasoline with metallic additives, for example manganese, iron or lead, otherwise it may cause damage on your engine or emission control system.
- Do not add aftermarket fuel additives which contain metallic additives.
- Do not use the methanol blended gasoline such as M15, M85, M100. The use of gasoline containing methanol may cause engine damage or failure.

6-2. Customization Customizable features

Your vehicle includes a variety of electronic features that can be personalized to your preferences. Programming these preferences requires specialized equipment and may be performed by an authorized Toyota dealership.

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

Customizing inside rear view mirror features (for South Africa)

For information displayed on the inside rear view mirror, it is possible to change the color of the display and the displayed language.

When customizing vehicle features, ensure that the vehicle is parked in a safe place with the parking brake set and the shift lever in P.

■ Changing the display color of the outside temperature display STEP 1 Press and hold _____ to display the "Custom Settings Menu".

STEP 2		Press 🕒 and select "Dis-
> Display		play", then press and hold
Outside Temperature		<u></u> .
Rear View Monitor		
Exit		
	STS62ACG01E	
STEP 3		Press 👩 and select "Color".
> Color	White (2/4)	
Language	English (1/3)	
40 - VA - 95		
Back to main menu		
	STS62ACG02E	
STEP 4 Each time (് is pres	sed and held, the display colors
change in the	e following ord	er:

"Green" \rightarrow "White" \rightarrow "Orange" \rightarrow "Blue"

STEP 5 To leave the "Custom Settings Menu", select "Back to main menu" to return to the starting screen, then either select "Exit" or wait several seconds without pressing ____.

To change the display language

STEP 1 Press and hold o to display the "Custom Settings Menu".

STEP 2 > Display Outside Temperature Rear View Monitor Exit		Press ౖౖౖౖ and select " play", then press and l ౖౖౖౖ	Dis- hold
	STS62ACG01E		
STEP 3		Press 🕑 and select "L	_an-
Color > Language	White (2/4) English (1/3)	guage".	
Back to main menu			
	STS62ACG03E		

- STEP 4 Each time _____ is pressed and held, the display language changes in the following order: English → French → Spanish
- STEP 5 To leave the "Custom Settings Menu", select "Back to main menu" to return to the starting screen, then either select "Exit" or wait several seconds without pressing ____.

Customizable features

Item	Function	Default setting	Customized setting
	Wireless remote control	ON	OFF
	Time elapsed before automatic door lock function is activated if	30 seconds	60 seconds
Wireless remote	door is not opened after being unlocked		120 seconds
control (→P. 44)	Operation signal (Emergency flashers)	ON	OFF
	Door lock buzzer	ON	OFF
	Buzzer sounds when pushing LOCK with any door not closed	ON	OFF
	Time elapsed before	15 seconds	7.5 seconds
Illumination (→P. 351)	lights turn off	10 30001103	30 seconds
	Operation after the engine switch is turned to the LOCK position	ON	OFF
	Operation when the doors are unlocked	ON	OFF

6-3. Items to initialize **Items to initialize**

The following item must be initialized for normal system operation after such cases as the battery is reconnected, or maintenance is performed on the vehicle.

Item	When to initialize	Reference
Tire pressure warn- ing system (if equipped)	 When adjusting the tire inflation pressure When the tire inflation pressure is changed such as when changing traveling speed When rotating the tires When changing the tire 	P. 426

6-3. Items to initialize

Appendix		
	Abbreviation list	542
	What to do if	543
		541

FJCRUISER_OM_General_OM35B53W

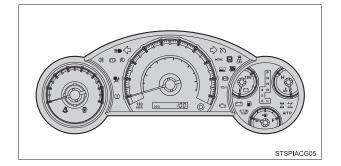
Abbreviation list Abbreviation/Acronym list

ABBREVIATIONS	MEANING
ABS	Anti-Lock Brake System
ACC	Accessory
AI-SHIFT	Artificial Intelligence Shifting
A-TRAC	Active Traction Control
CRS	Child Restraint System
E/M	English/U.S. Customary System and metric
ELR	Emergency Locking Retractor
GVM	Gross Vehicle Mass
INT	Intermittent
LED	Light Emitting Diode
MPAC	Maximum Permissible Axle Capacity
RR DIFF LOCK	Rear Differential Lock
SRS	Supplemental Restraint System
TRC	Traction Control
TWI	Treadwear Indicators
VIN	Vehicle Identification Number
VSC	Vehicle Stability Control

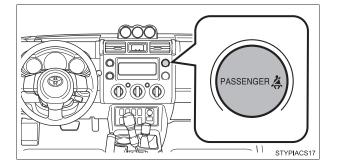
What to do if... What to 4do if...

A tire punctures	P. 495	If you have a flat tire	
The engine does not start	P. 507 P. 96 P. 509	If the engine will not start Engine immobilizer system If the vehicle battery is discharged	
The shift lever cannot be moved out	P. 148	If the shift lever cannot be shifted from P	
The engine coolant temperature gauge enters the red zone Steam can be seen coming from under the hood	P. 513	If your vehicle overheats	
The key is lost	P. 508	If you lose your keys	
The battery runs out	P. 509	If the vehicle battery is discharged	
The doors cannot be locked	P. 49 P. 52 P. 54	Side doors Access doors Back door	
The vehicle is stuck in mud or sand	P. 516	If the vehicle becomes stuck	
The warning light or indicator light comes on	P. 485	If a warning light turns on	

Instrument cluster



Center panel

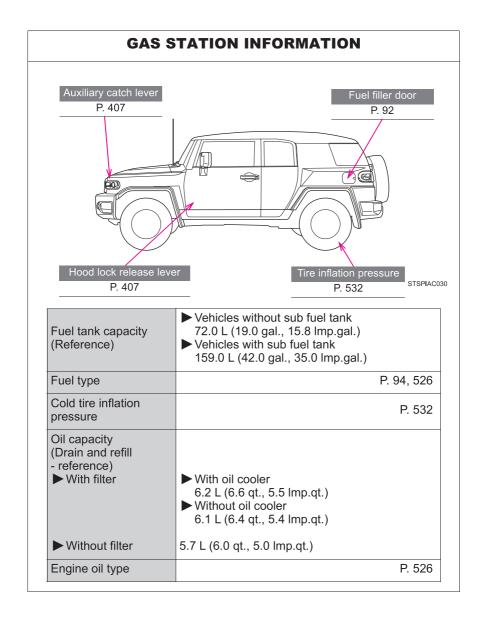


What to do if...

■Warning lights

()	Brake system warning		*	7	Cruise control	indicator
	light	P. 485	E	• •	light ^{*3}	P. 487
	Charging system warning			k	Open door warning light	
	light	P. 485	í L			P. 487
	Low engine oil		•	Driver's seat belt reminder		
25	warning light		ł	7	light	P. 487
	Malfunction indicator				Front passenger's seat belt	
H	lamp	P. 486	PASSEN	ger 👗	reminder light	P. 487
					Automatic transmission	
	SRS warning I	ight P. 486	A/T	A/T OIL TEMP	fluid temperatu warning light	re P. 488
		1.400			warning light	1.400
	ABS warning I	ight			Low fuel level warning	
(ABS)		P. 486		U	light	P. 488
	Slip indicator*	1	19	20	Speed warning light	
53		P. 486		1/h		P. 488
Four-wheel drive						warning
	indicator*2	P. 486		!)	light	P. 489
	Unengaged "P	ark"				
A/T P	warning light	P. 486				

*1: Slip indicator comes on.
*2: The indicator flashes rapidly to indicate a malfunction.
*3: The light flashes to indicate a malfunction.



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