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4	**Maintenance and care**	Cleaning and protecting your vehicle, performing do-it-yourself maintenance, and maintenance information
5	**When trouble arises**	What to do if the vehicle needs to be towed, gets a flat tire, or is involved in an accident
6	**Vehicle specifications**	Detailed vehicle information
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For vehicles with a “touch screen”, refer to the ““touch screen” Owner’s Manual” for information regarding the equipment listed below.

- Navigation system
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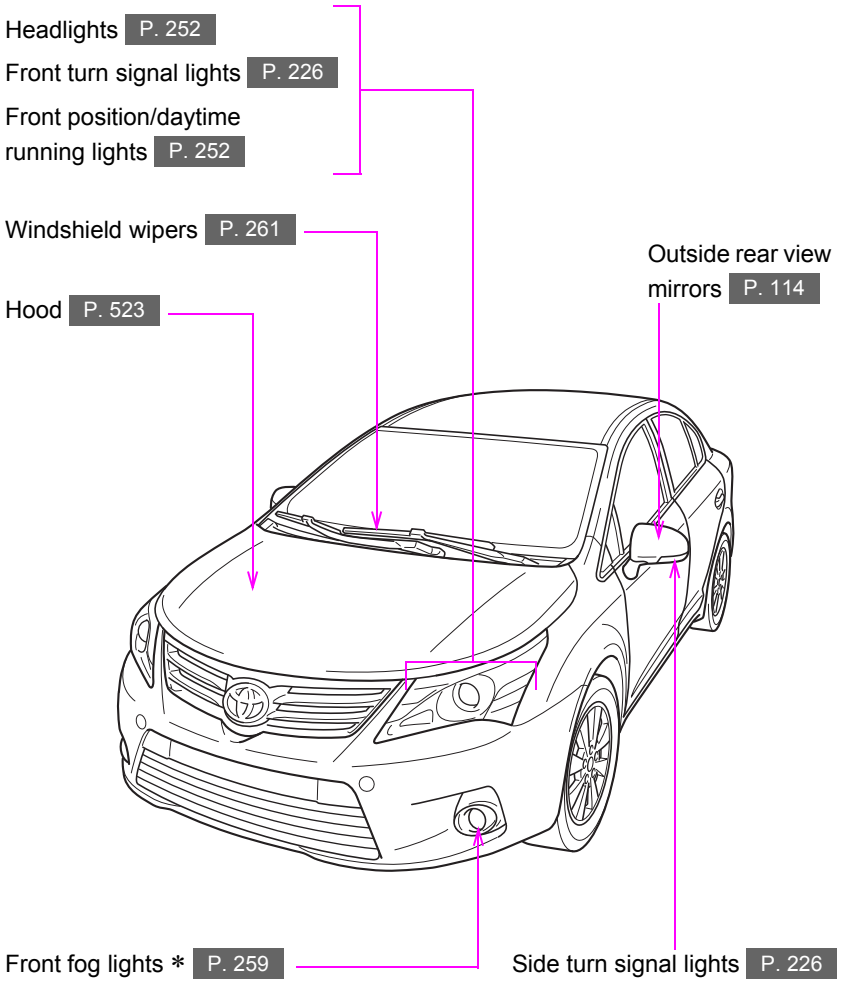
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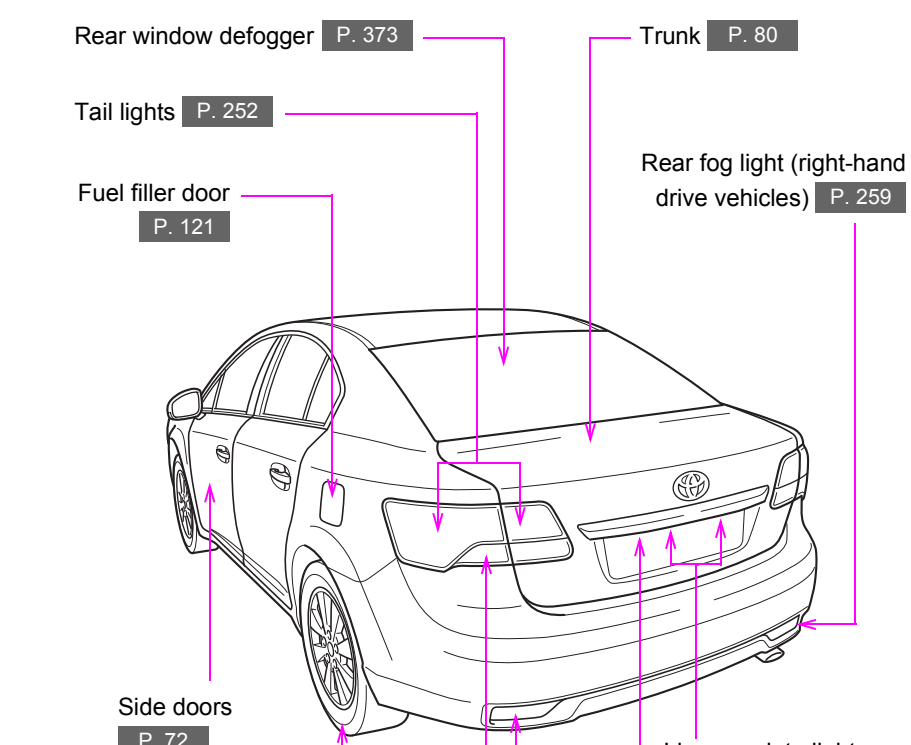
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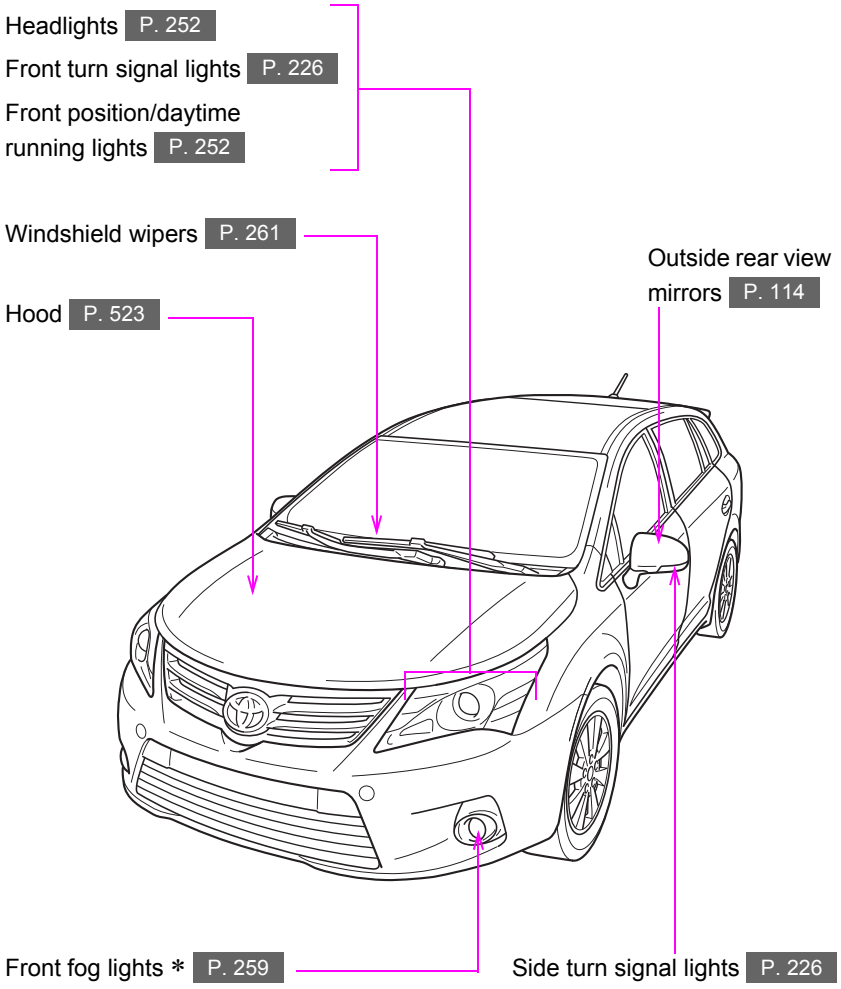


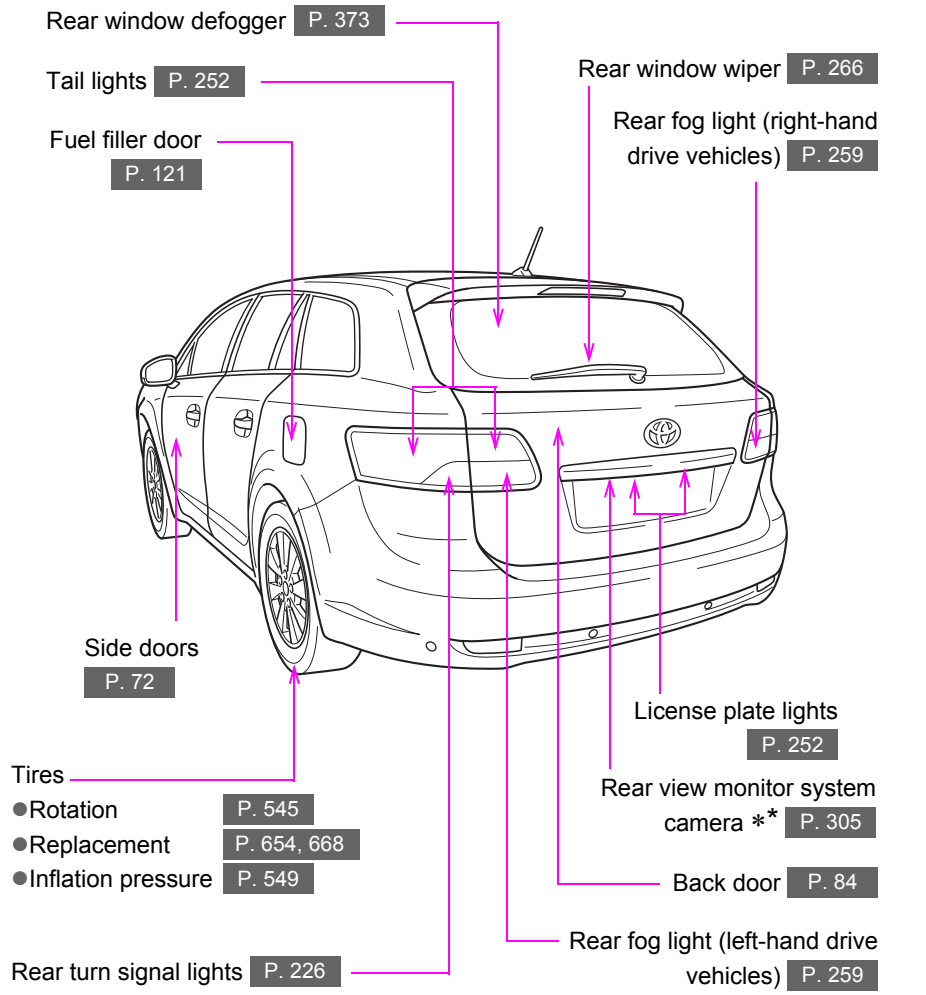
*: If equipped

*: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

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Exterior (wagon)



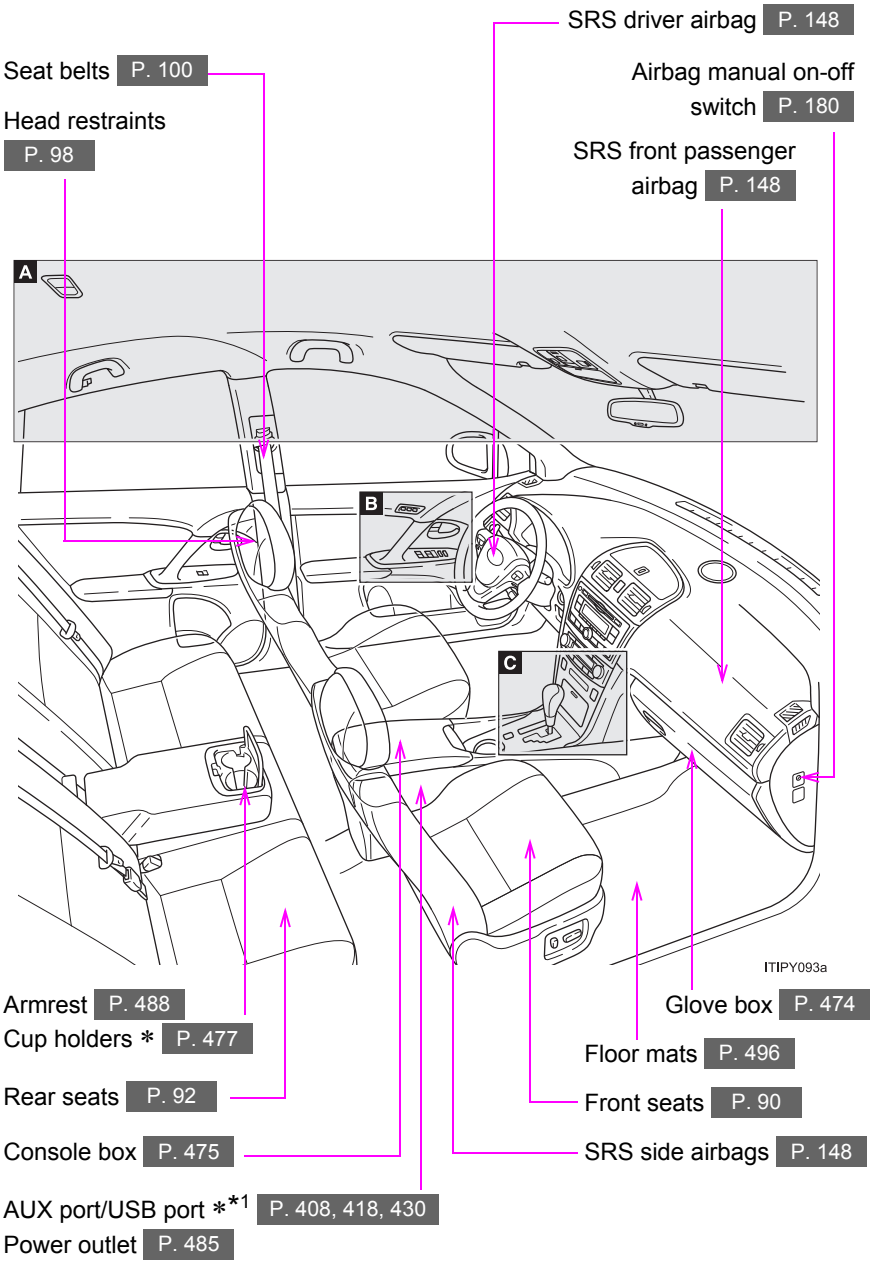


*: If equipped

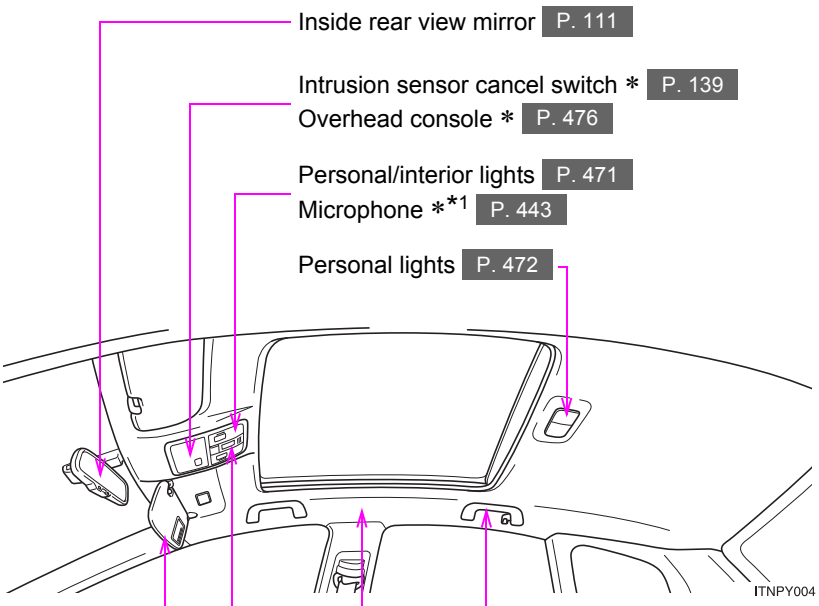
*: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

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Interior (left-hand drive vehicles)



A



*: If equipped

*1: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

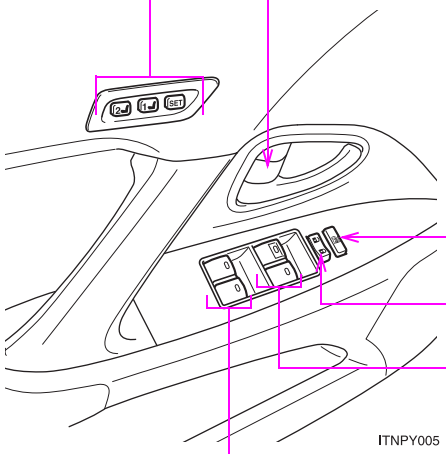
*2: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P. 178)



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Interior (left-hand drive vehicles)

B



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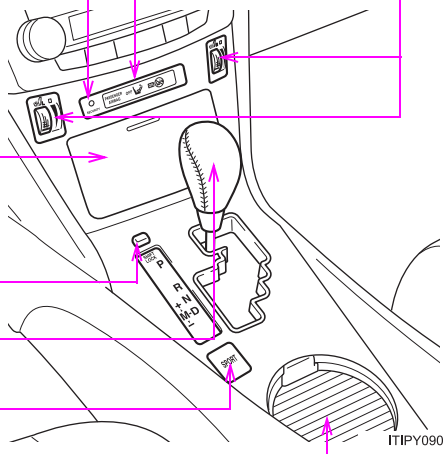
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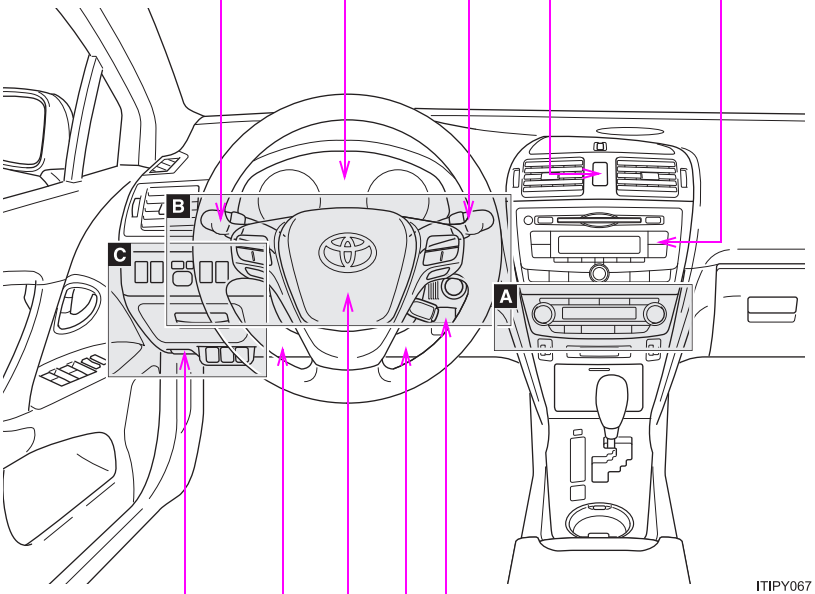
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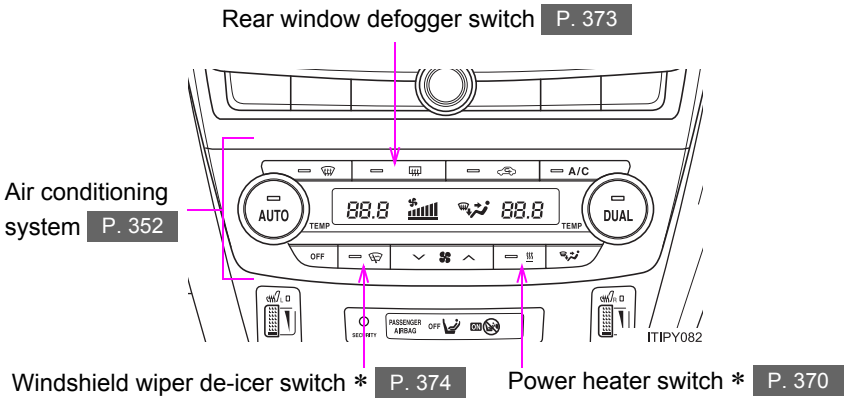
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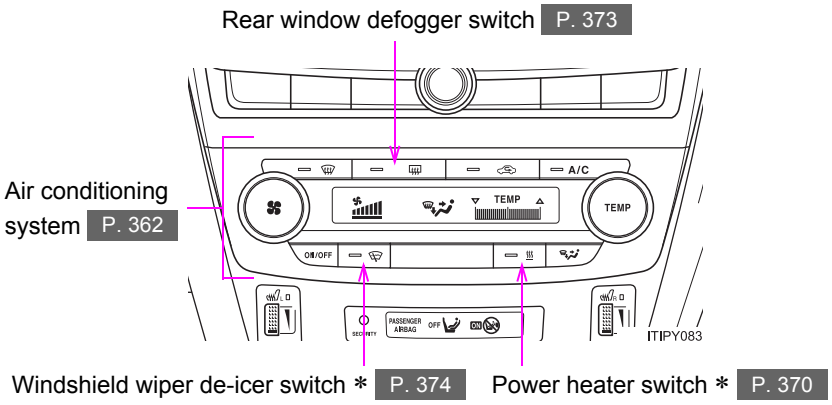
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▶ **Vehicles with automatic air conditioning system**



▶ **Vehicles with manual air conditioning system**



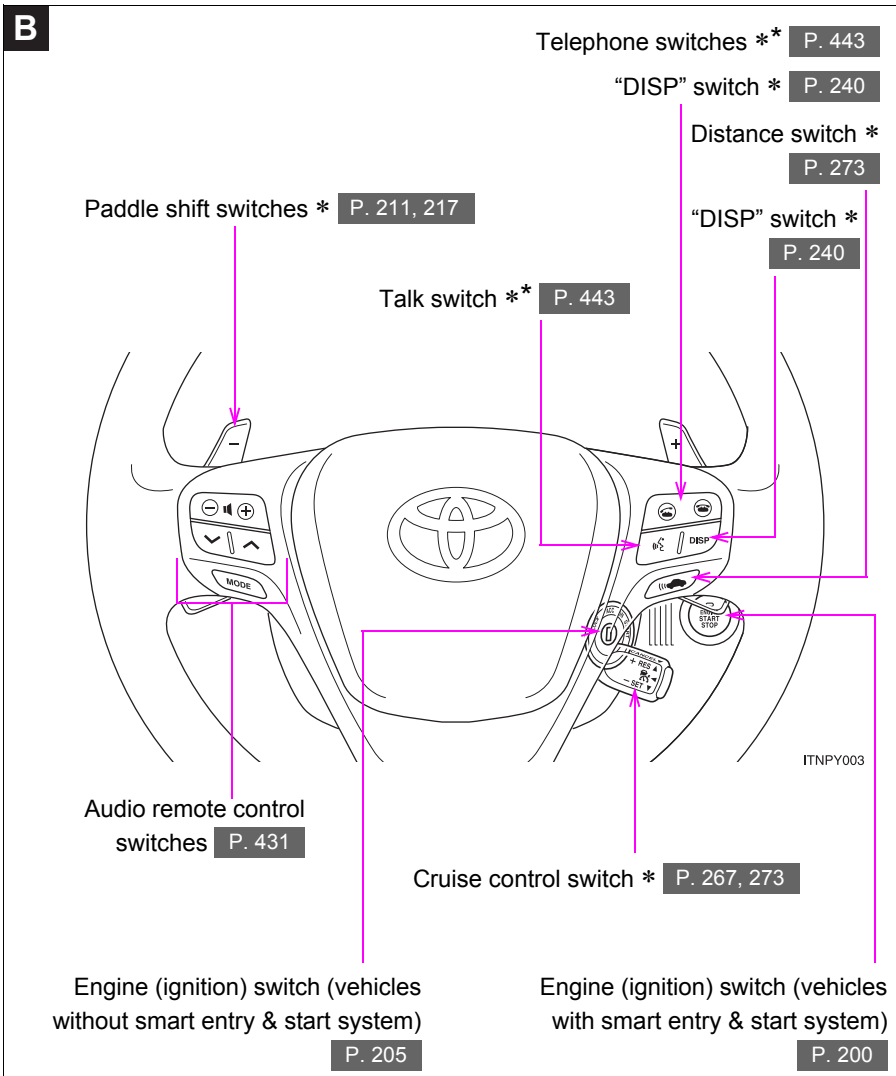
*: If equipped

*: Refer to ""touch screen" Owner's Manual".

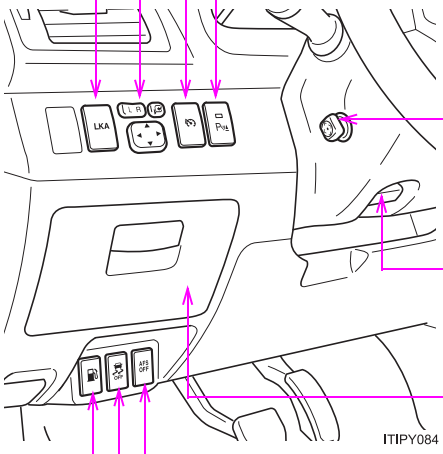
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Instrument panel (left-hand drive vehicles)

B



C

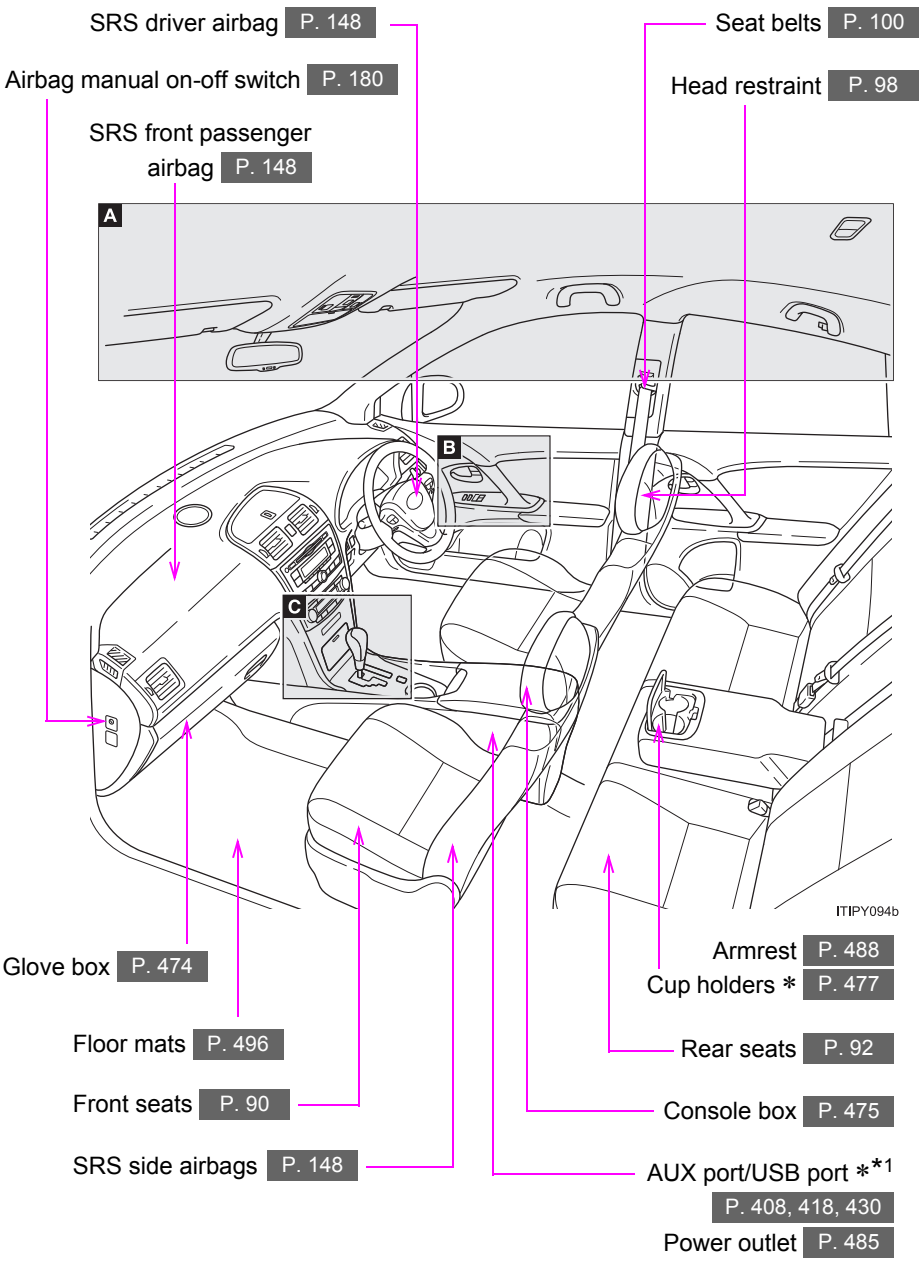


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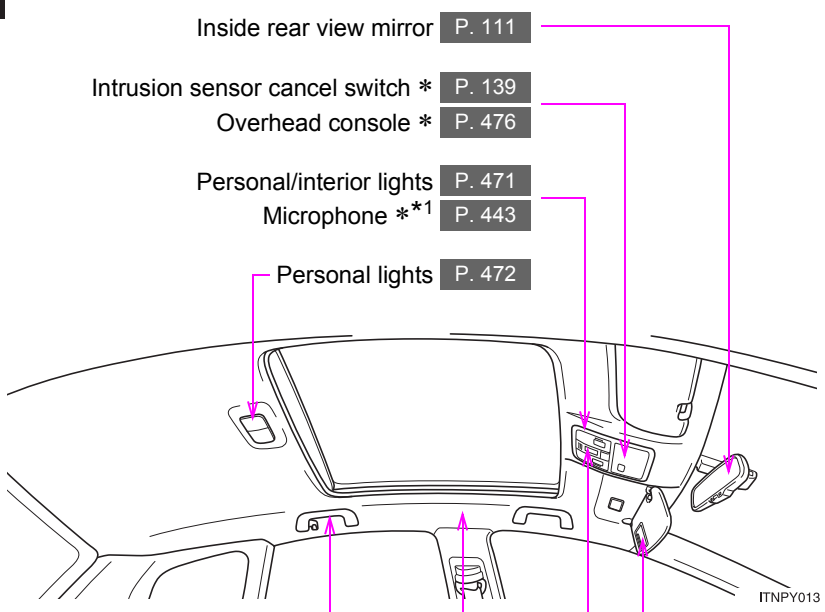
*: If equipped
*: For vehicles with a "touch screen", refer to ""touch screen" Owner's Manual".

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Interior (right-hand drive vehicles)



A



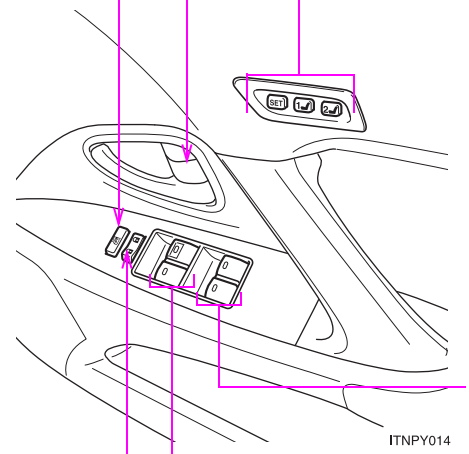
*: If equipped

*1: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

*2: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. (→P. 178)



B



Window lock switch P. 117

Inside lock button P. 73

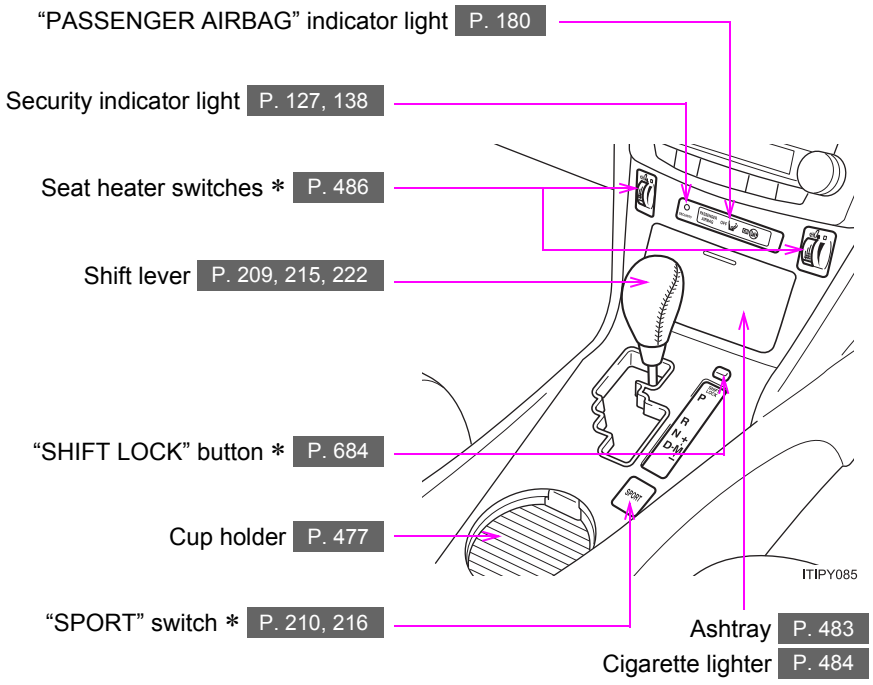
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Power window switches P. 117

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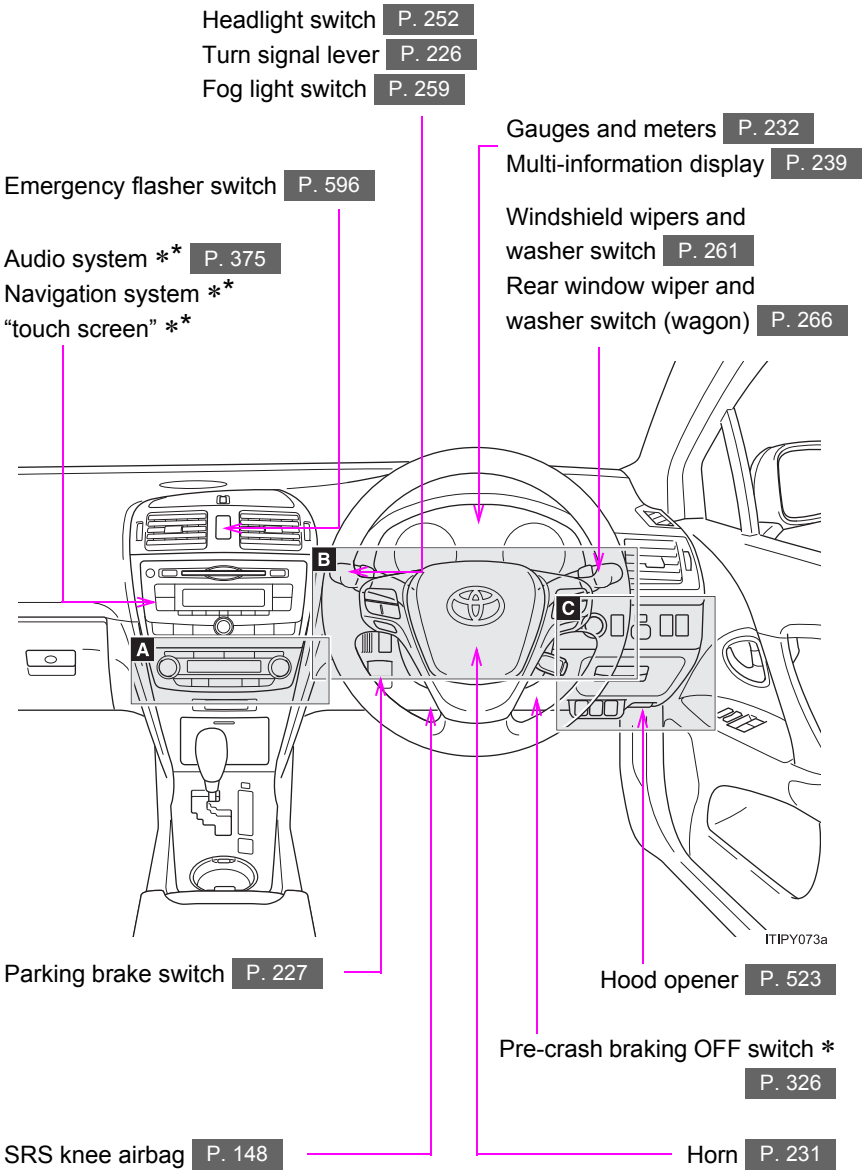
C



*: If equipped

Pictorial index

Instrument panel (right-hand drive vehicles)

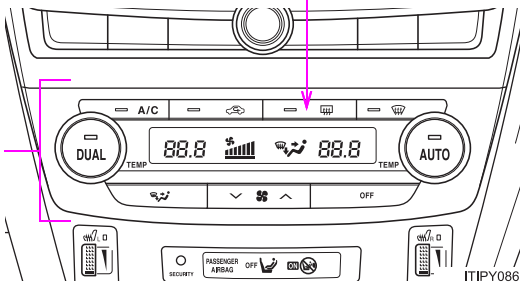


A

▶ **Vehicle with automatic air conditioning system**

Rear window defogger switch P. 373

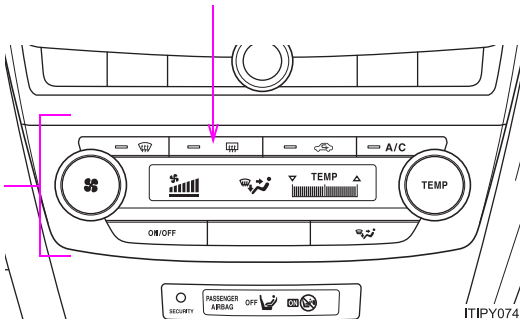
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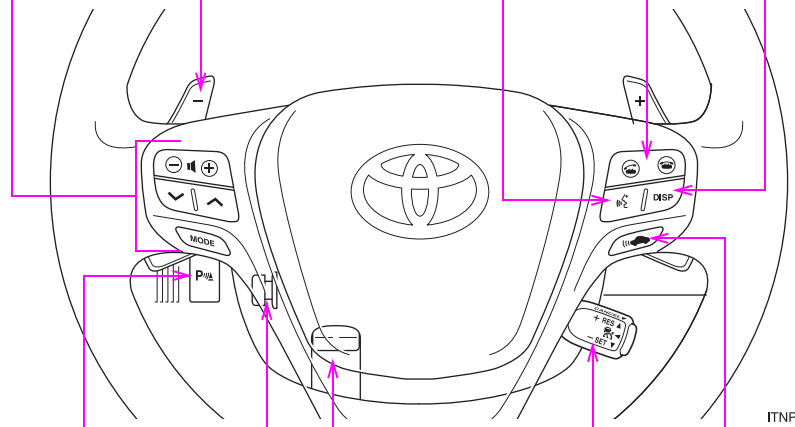
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*: If equipped
*: Refer to ""touch screen" Owner's Manual".

Instrument panel (right-hand drive vehicles)

B



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"DISP" switch * P. 240

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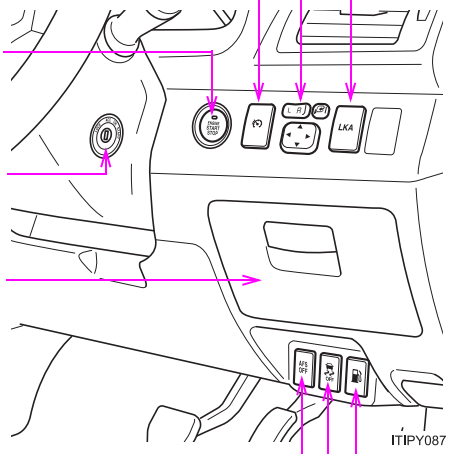
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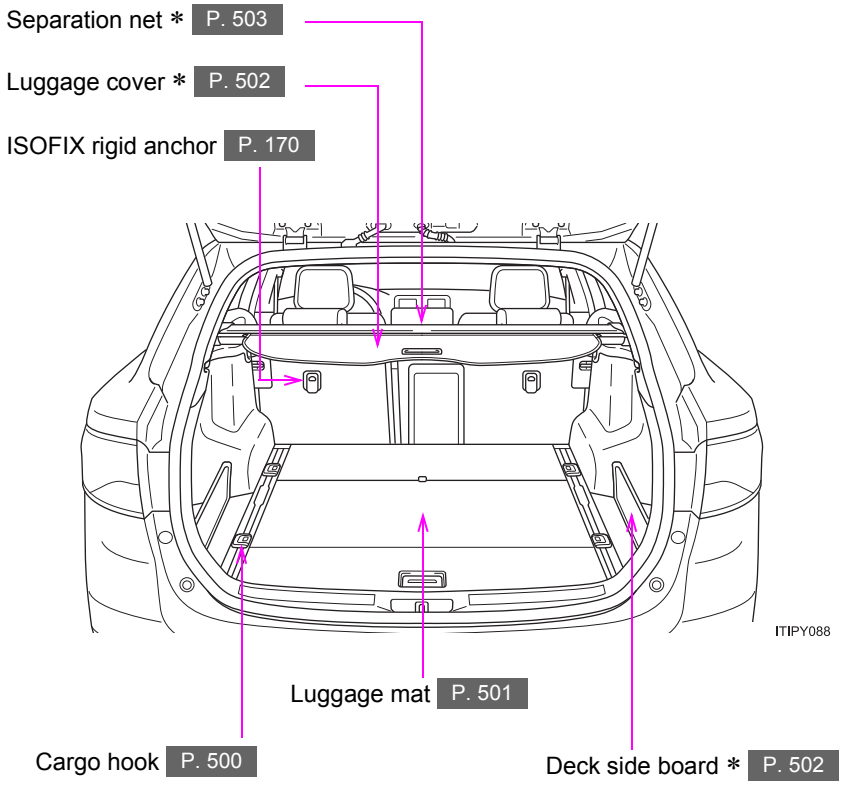


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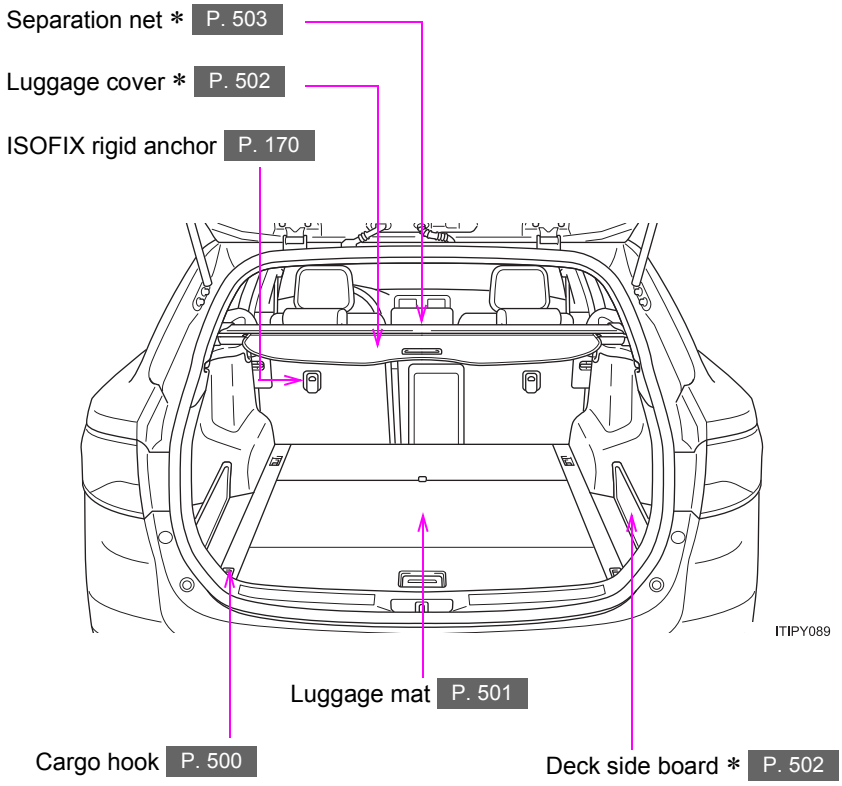
*: If equipped
*: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

Luggage compartment (wagon)

▶ **With deck rail**



▶ **Without deck rail**



*: If equipped

For your information

Main Owner's 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

Both genuine Toyota and a wide variety of other spare parts and accessories for Toyota vehicles are currently available on the market. Should it be determined that any of the genuine Toyota parts or accessories supplied with the vehicle need to be replaced, Toyota Motor Corporation recommends that genuine Toyota parts or accessories, be used to replace them. Other parts or accessories of matching quality can also be used. Toyota cannot accept any liability or guarantee spare parts and accessories which are not genuine Toyota products, nor for replacement or installation involving such parts. In addition, damage or performance problems resulting from the use of non-genuine Toyota spare parts or accessories 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
- Dynamic radar cruise control
- Cruise control system
- Anti-lock brake system
- SRS airbag system
- Seat belt pretensioner system

Be sure to check with any authorized Toyota dealer or repairer, or another duly qualified and equipped professional 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Scrapping of your Toyota

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



Your vehicle contains batteries and/or accumulators. Do not discard them into the environment but cooperate with separate collection (Directive 2006/66/EC).

Symbols used throughout this manual

Cautions & Notices

⚠ CAUTION

This is a warning against anything which may cause 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

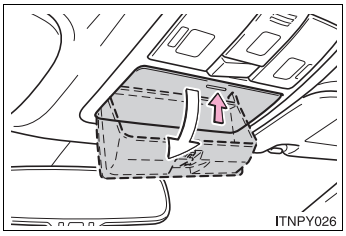
This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your Toyota and its equipment.

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.

⇨ Indicates the outcome of an operation (e.g. a lid opens).

Before driving 1

1-1. Key information

Keys 36

1-2. Opening, closing and locking the doors

Smart entry & start system 39
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1-4. Opening and closing the windows

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1-5. Refueling

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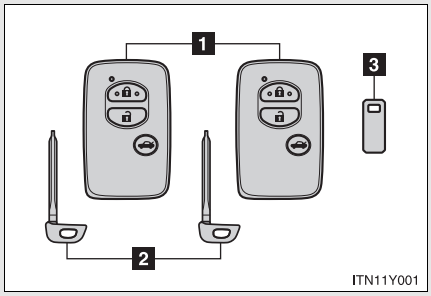
1-7. Safety information

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Keys

The following keys are provided with the vehicle.

▶ Vehicles with smart entry & start system



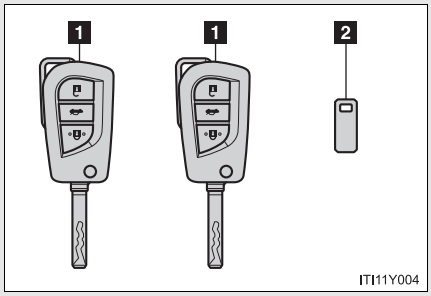
1 Electronic keys

- Operating the smart entry & start system (→P. 39)
- Operating the wireless remote control function (→P. 62)

2 Mechanical keys

3 Key number plate

▶ Vehicles without smart entry & start system

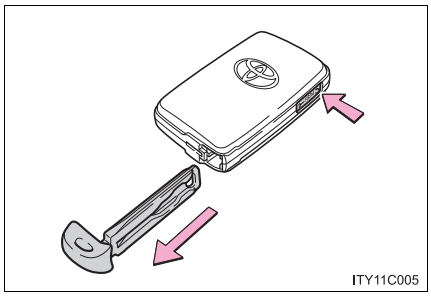


1 Master keys

Operating the wireless remote control function (→P. 62)

2 Key number plate

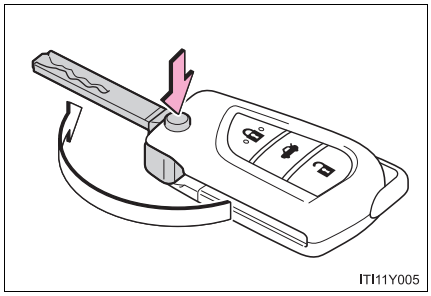
Using the mechanical key (if equipped)



Take out the mechanical key.

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the smart entry & start system does not operate properly, you will need the mechanical key.
(→P. 694)

Using the master key (if equipped)



Press the button to open the key.

To stow, press the button then fold the key.

■ **When required to leave a key to the vehicle with a parking attendant (for right-hand drive vehicles with smart entry & start system)**

Lock the glove box. (→P. 474)
Remove the mechanical key for your own use and provide the attendant with the electronic key only.

■ **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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, using the key number plate. (→P. 691)

■ **When riding in an aircraft**

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

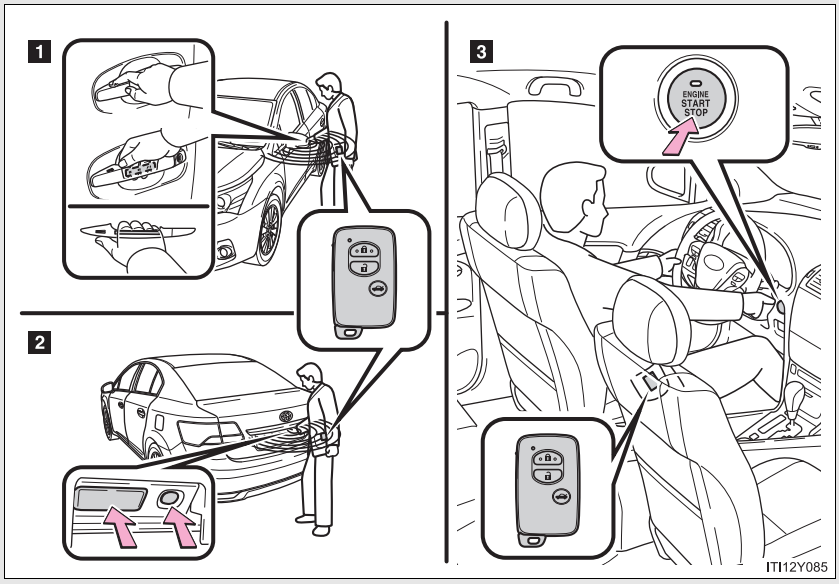
⚠ NOTICE

■ **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.
- Do not disassemble the key.

Smart entry & start system*

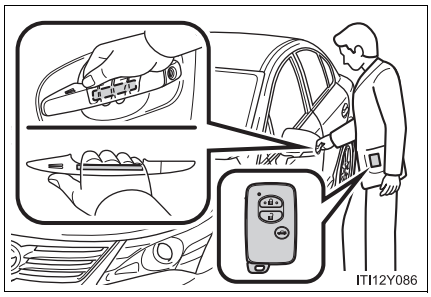
The following operations can be performed simply by carrying the electronic key on your person, for example in your pocket.
(The driver should always carry the electronic key.)



1 Unlocks and locks the doors and trunk/back door (→P. 40)
2 Unlocks and locks the trunk/back door (→P. 40)
3 Starts and stops the engine (→P. 200)

*: If equipped

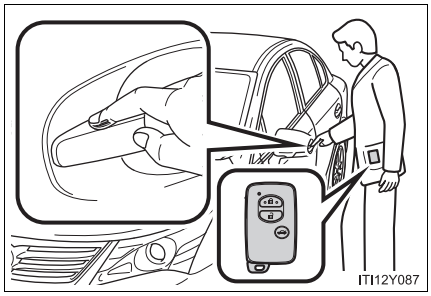
Unlocking and locking the doors and trunk/back door (front door handles only)



Grip the handle to unlock.

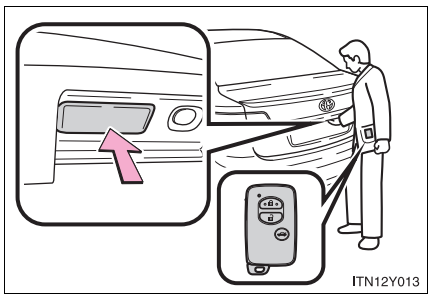
Make sure to touch the sensor on the back of the handle.

The doors and trunk/back door cannot be unlocked for 3 seconds after they are locked.



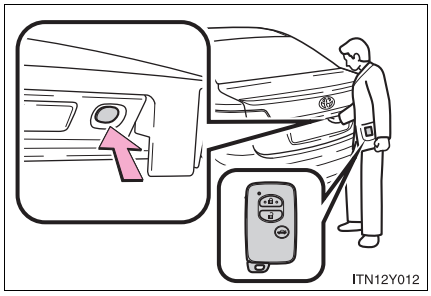
Touch the sensor area to lock.

Unlocking and locking the trunk/back door



Press the unlock button to unlock.

Lock the trunk/back door again when you leave the vehicle. They will not lock automatically after they have been opened and then closed.

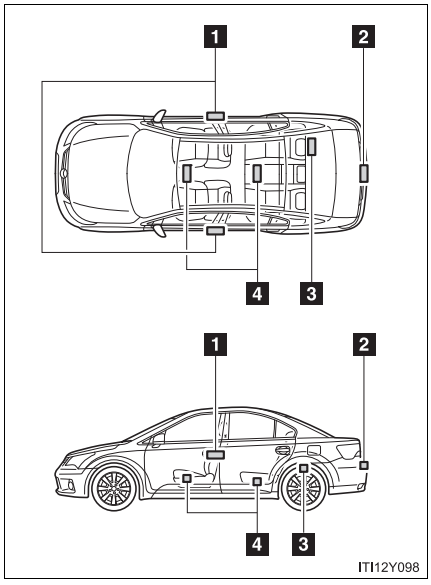


Press the lock button to lock.

Antenna location and effective range

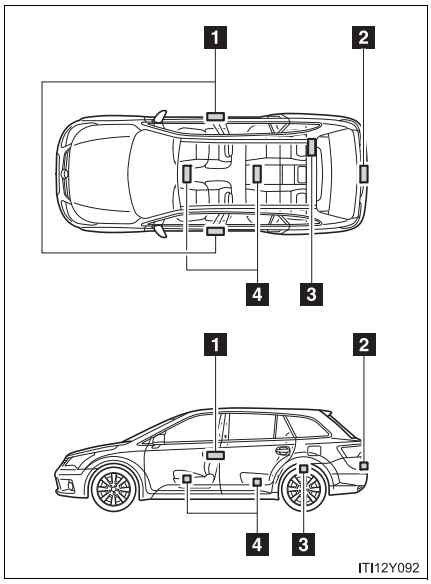
■ Antenna location

▶ Sedan



1 Antennas outside cabin
2 Antenna outside trunk
3 Antenna inside trunk
4 Antennas inside cabin

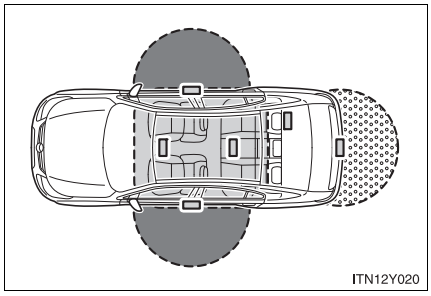
▶ Wagon



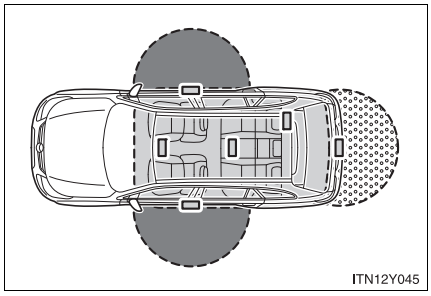
1 Antennas outside cabin
2 Antenna outside luggage compartment
3 Antenna inside luggage compartment
4 Antennas inside cabin

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

▶ Sedan



▶ Wagon



When locking or unlocking the side doors

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

When starting the engine or changing “ENGINE START STOP” switch modes

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

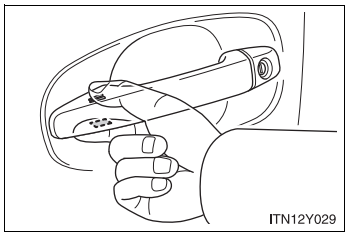
When locking or unlocking the trunk/back door

The system can be operated when the electronic key is within about 0.7 m (2.3 ft.) of the trunk/back door opener switch.

■ **Operation signals**

The emergency flashers flash to indicate that the doors and trunk/back door have been locked/unlocked. (Locked: Once; Unlocked: Twice)

■ **When the door cannot be locked using the topside sensor area**



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

■ **Conditions affecting operation**

The smart entry & start system uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart entry & start system and wireless remote control from operating properly. (Ways of coping: →P. 694)

- When the electronic key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone, cordless phone or other wireless communication devices
- When the electronic key is in contact with, or is covered by the following metallic objects
  - Cards to which aluminum foil is attached
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Hand warmers made of metal
  - Media such as CDs and DVDs

- When multiple electronic keys are in the vicinity
- When another wireless key (that emits radio waves) is being used nearby
- When carrying or using the electronic key together with the following devices that emit radio waves
  - Another vehicle's electronic key or a wireless key that emits radio waves
  - Personal computer or personal digital assistants (PDAs)
  - Digital audio players
  - Portable game systems
- If window tint with a metallic content or metallic objects are attached to the rear window
- Sedan: If a metallic object is placed on the package tray

■ **Battery-saving function**

In the following circumstances, the smart entry & start system is disabled in order to prevent the vehicle and electronic key batteries from discharging.

- When the smart entry & start system has not been used for 5 days or more
- When the electronic key has been left within approximately 1 m (3 ft.) of the vehicle for 10 minutes or more

The system will resume operation when...

- The vehicle is locked touching the door handle lock sensor area.
- The vehicle is locked/unlocked using the wireless remote control function (→P. 62) or the mechanical key. (→P. 694)

■ **Electronic key battery depletion**

- The standard battery life is 1 to 2 years. (The battery becomes depleted even if the electronic key is not used.) If the smart entry & start system or the wireless remote control function does not operate, or the detection area becomes smaller, the battery may be depleted. Replace the battery when necessary. (→P. 556)
- If the battery becomes low, an alarm will sound in the cabin when the engine stops. (→P. 48)
- To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Glass top ranges
  - Table lamps

■ **To operate the system properly**

Make sure to carry the electronic key when operating the system. Do not get the electronic key too close to the vehicle when operating the system from the outside of the vehicle.

Depending on the position and holding condition of the electronic key, the key may not be detected correctly and the system may not operate properly. (The alarm may go off accidentally, or the door lock prevention may not function.)

Note for the smart entry & start system

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases.
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is near the ground or in a high place, or too close to the rear bumper center when the trunk or back door is locked/ unlocked.
  - The electronic key is on the instrument panel, package tray (sedan), luggage cover (wagon), floor or in the glove box when the engine is started or “ENGINE START STOP” switch modes are changed.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone.
- Even if the electronic key is not inside the vehicle, it may be possible to start the engine if the electronic key is near the window.
- The doors may unlock or lock if a large amount of water splashes on the door handle, such as in the rain or in a car wash when the electronic key is within the effective range. (The doors will automatically be locked after approximately 30 seconds if the doors are not opened and closed.)
- If the key is kept near the vehicle while it is being washed, water applied to a door handle may cause the door to lock and unlock repeatedly. In this event, place the key in a location 2 m (6 ft.) or more from the vehicle, taking care not to lose the key.

- If the key is inside the vehicle while it is being washed, water applied to a door handle may cause a buzzer to sound and a message to be displayed. In this event, locking all doors will cause the message to extinguish and the buzzer to stop sounding.
- It may not be possible to lock the doors if the sensor area is covered by mud, ice, snow etc. In this event, try locking again after cleaning the area, or lock by touching the sensor area on the underside of the door handle.
- Gripping the door handle when wearing a glove may not unlock or lock the door.
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the smart entry & start system. (Use the wireless remote control to unlock the doors.)
- A sudden approach to the effective range or door handle operation may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.

■ **When the vehicle is not driven for extended periods**

To prevent theft of the vehicle, do not leave the electronic key within 2 m (6 ft.) of the vehicle.

■ **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.

■ **Alarms and warning indicators**

A combination of exterior and interior alarms are used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation. Take appropriate measures according to the warning message shown on the multi-information display. (→P. 616)

The following table describes circumstances and correction procedures when only alarms are sounded.

Alarm	Situation	Correction procedure
Interior alarm pings once and exterior alarm sounds once for 10 seconds	Tried to lock the doors using the entry function while the electronic key is still inside the passenger compartment or trunk/luggage compartment	Retrieve the electronic key and lock the doors again
	Tried to exit the vehicle and lock the doors without first turning the “ENGINE START STOP” switch OFF	Turn the “ENGINE START STOP” switch OFF and lock the doors again
Exterior alarm sounds once for 5 seconds	Tried to lock the vehicle while a door, trunk or back door is open	Close all of the doors and lock the doors again
Interior alarm pings continuously	The “ENGINE START STOP” switch was turned to ACCESSORY mode while the driver’s door was open (or the driver’s door was opened while the “ENGINE START STOP” switch was in ACCESSORY mode)	Turn the “ENGINE START STOP” switch OFF and close the driver’s door
	The “ENGINE START STOP” switch was turned OFF while the driver’s door was open	Close the driver’s door

Alarm	Situation	Correction procedure
Interior alarm sounds continuously	When the “ENGINE START STOP” switch is in IGNITION ON or ACCESSORY mode, an attempt was made to open the door and exit the vehicle, and the shift lever was not in “P”	Shift the shift lever to “P” and turn the “ENGINE START STOP” switch OFF
Interior and exterior alarms sound continuously	When the “ENGINE START STOP” switch is in IGNITION ON or ACCESSORY mode, the driver’s door was closed after the electronic key was carried outside the vehicle, and the shift lever was not in “P”	Shift the shift lever to “P”, turn the “ENGINE START STOP” switch OFF and close the driver’s door again
Interior alarm pings once	The electronic key battery is low	Replace the electronic key battery
	Tried to start the engine without the electronic key being present, or the electronic key was not functioning normally	Start the engine with the electronic key present*

Alarm	Situation	Correction procedure
Interior alarm pings once and exterior alarm sounds 3 times	The driver's door was closed after the electronic key was carried outside the vehicle, and the "ENGINE START STOP" switch was not turned OFF	Turn the "ENGINE START STOP" switch OFF and close the driver's door again
	An occupant carried the electronic key outside the vehicle and closed the door while the "ENGINE START STOP" switch was not OFF	Bring the electronic key back into the vehicle

*: If the engine does not start when the electronic key is inside the vehicle, the electronic key battery may be depleted or there may be difficulties receiving signal from the key. (→P. 695)

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

- Locking and unlocking the doors: Use the mechanical key. (→P. 694)
- Starting the engine: →P. 695

■ **When the electronic key battery is fully depleted**

→P. 556

■ **Customization that can be configured at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional**

Settings (e.g. smart entry & start system) can be changed.
(Customizable features →P. 741)

Certification for the smart entry & start system

Hereby, Toyota Motor Corporation, declares that this TMLF8-9 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TOYOTA

TOYOTA MOTOR CORPORATION

1, TOYOTA-CHO, TOYOTA, AICHI, 471-8571 (Head Office)
or 471-8572 (Research & Development Group) JAPAN
TEL : +81-565-28-2121

R&TTE Declaration of Conformity

We,

Manufacturer's Name: TOYOTA MOTOR CORPORATION
Manufacturer's Address: 1, Toyota -cho, Toyota, Aichi, 471-8572, Japan

hereby declare under our sole responsibility that the product:

Product Name: LF Oscillator
Product Model: TMLF8-9
to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product is compliant with the following standards and/or other normative documents:

-Health & safety requirements:	EN60950-1
-EMC requirements	EN 301 489-01 & EN 301 489-03
-Effective uses of radio spectrum:	EN 300 330-2

Supplementary information:

* CE mark	CE
* Member states intended for use	EU and EFTA

Date: May 16, 2008

Signature: Takaaki Enomoto
Takaaki Enomoto

Hereby, Toyota Motor Corporation, declares that this TMLF8-9 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Toyota Motor Corporation vakuuttaa täten että TMLF8-9 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart Toyota Motor Corporation dat het toestel TMLF8-9 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Par la présente Toyota Motor Corporation déclare que l'appareil TMLF8-9 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Härmed intygar Toyota Motor Corporation att denna TMLF8-9 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede Toyota Motor Corporation erklærer herved, at følgende udstyr TMLF8-9 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt Toyota Motor Corporation, dass sich das Gerät TMLF8-9 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Toyota Motor Corporation ΔΗΛΩΝΕΙ ΟΤΙ TMLF8-9 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Con la presente Toyota Motor Corporation dichiara che questo TMLF8-9 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente Toyota Motor Corporation declara que el TMLF8-9 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Toyota Motor Corporation declara que este TMLF8-9 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, Toyota Motor Corporation, jiddikjara li dan TMLF8-9 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Käesolevaga kinnitab Toyota Motor Corporation seadme TMLF8-9 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Alulírott, Toyota Motor Corporation nyilatkozom, hogy a TMLF8-9 megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
Toyota Motor Corporation týmto vyhlasuje, že TMLF8-9 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Toyota Motor Corporation tímto prohlašuje, že tento TMLF8-9 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Toyota Motor Corporation izjavlja, da je ta TMLF8-9 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Šiuo Toyota Motor Corporation deklaruoja, kad šis TMLF8-9 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Ar šo Toyota Motor Corporation deklarē, ka TMLF8-9 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Niniejszym Toyota Motor Corporation oświadcza, że TMLF8-9 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Hér með lýsir Toyota Motor Corporation yfir því að TMLF8-9 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Toyota Motor Corporation erklærer herved at utstyret TMLF8-9 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim, Toyota Motor Corporation, izjavljuje da ovaj TMLF8-9 je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

Hereby, TRCZ s.r.o., declares that this B75EA is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TRCZ

R&TTE Declaration of Conformity

We,

Manufacturer's Name: TRCZ s.r.o.
Manufacturer's Address: Prumyslova 1165, 41002, Lovosice, Czech Republic

hereby declare under our sole responsibility that the product:

Product Name: Electronic Key
Product Model: B75EA

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product is compliant with the following standards and/or other normative documents:

Safety: EN60950-1
EMC: EN301 489-1 & -3
Spectrum: EN300 220-2, EN300 330-2

Supplementary information:

* CE mark	CE
* Member states intended for use	EU and EFTA
* Member states with restrictive use	None

Date: 26 March 2008

Signature:

Position of the signatory: Ikuzo Kojima
President

Hereby, TRCZ s.r.o., declares that this B75EA is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
TRCZ s.r.o. vakuuttaa täten että B75EA tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart TRCZ s.r.o. dat het toestel B75EA in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Par la présente TRCZ s.r.o. déclare que l'appareil B75EA est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Härmed intygar TRCZ s.r.o. att denna B75EA står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede TRCZ s.r.o. erklærer herved, at følgende udstyr B75EA overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt TRCZ s.r.o., dass sich das Gerät B75EA in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ TRCZ s.r.o. ΔΗΛΩΝΕΙ ΟΤΙ B75EA ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Con la presente TRCZ s.r.o. dichiara che questo B75EA è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente TRCZ s.r.o. declara que el B75EA cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
TRCZ s.r.o. declara que este B75EA está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, TRCZ s.r.o., jiddikjara li dan B75EA jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Käesolevaga kinnitab TRCZ s.r.o. seadme B75EA vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Alulírott, TRCZ s.r.o. nyilatkozom, hogy a B75EA megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
TRCZ s.r.o. týmto vyhlasuje, že B75EA spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
TRCZ s.r.o. tímto prohlašuje, že tento B75EA je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
TRCZ s.r.o. izjavlja, da je ta B75EA v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Šiuo TRCZ s.r.o. deklaruoja, kad šis B75EA atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Ar šo TRCZ s.r.o. deklarē, ka B75EA atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Niniejszym TRCZ s.r.o. oświadcza, że B75EA jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Hér með lýsir TRCZ s.r.o. yfir því að B75EA er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
TRCZ s.r.o. erklærer herved at utsyret B75EA er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim, TRCZ s.r.o., izjavljuje da ovaj B75EA je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

Hereby, TRCZ s.r.o., declares that this B76UA is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TRCZ

R&TTE Declaration of Conformity

We,

Manufacturer's Name: TRCZ s.r.o.
Manufacturer's Address: Prumyslova 1165, 41002, Lovosice, Czech Republic

hereby declare under our sole responsibility that the product:

Product Name: Tuner
Product Model: B76UA

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product is compliant with the following standards and/or other normative documents:

Safety: EN60950-1
EMC: EN301 489-1 & -3
Spectrum: EN300 220-2

Supplementary information:

* CE mark	CE
* Member states intended for use	EU and EFTA
* Member states with restrictive use	None

Date: 29 February 2008

Signature:

Ikuzo Kojima
Position of the signatory: President

Hereby, TRCZ s.r.o., declares that this B76UA is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
TRCZ s.r.o. vakuuttaa täten että B76UA tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart TRCZ s.r.o. dat het toestel B76UA in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Par la présente TRCZ s.r.o. déclare que l'appareil B76UA est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Härmed intygar TRCZ s.r.o. att denna B76UA står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede TRCZ s.r.o. erklærer herved, at følgende udstyr B76UA overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt TRCZ s.r.o., dass sich das Gerät B76UA in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ TRCZ s.r.o. ΔΗΛΩΝΕΙ ΟΤΙ B76UA ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Con la presente TRCZ s.r.o. dichiara che questo B76UA è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente TRCZ s.r.o. declara que el B76UA cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
TRCZ s.r.o. declara que este B76UA está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, TRCZ s.r.o., jiddikjara li dan B76UA jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Käesolevaga kinnitab TRCZ s.r.o. seadme B76UA vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Alulírott, TRCZ s.r.o. nyilatkozom, hogy a B76UA megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
TRCZ s.r.o. týmto vyhlasuje, že B76UA spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
TRCZ s.r.o. tímto prohlašuje, že tento B76UA je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
TRCZ s.r.o. izjavlja, da je ta B76UA v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Šiuo TRCZ s.r.o. deklaruoja, kad šis B76UA atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Ar šo TRCZ s.r.o. deklarē, ka B76UA atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Niniejszym TRCZ s.r.o. oświadcza, że B76UA jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Hér með lýsir TRCZ s.r.o. yfir því að B76UA er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
TRCZ s.r.o. erklærer herved at utsyret B76UA er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim, TRCZ s.r.o., izjavljuje da ovaj B76UA je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

CAUTION

Caution regarding interference with electronic devices

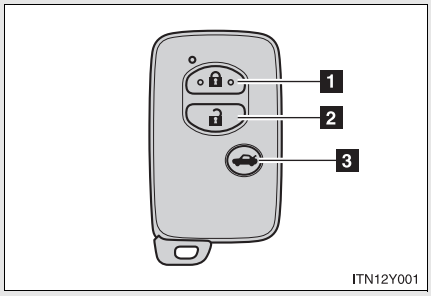
- People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the smart entry & start system antennas. (→P. 41)
  The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional for details, such as the frequency of radio waves and timing of emitting the radio waves. Then, consult your doctor to see if you should disable the entry function.
- 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.

Ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional for details for disabling the entry function.

Wireless remote control

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

▶ Vehicles with smart entry & start system



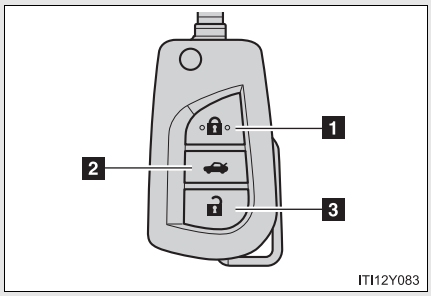
1 Locks all doors and trunk/back door

2 Unlocks all doors and trunk/back door

3 Unlocks the trunk/back door

Lock the trunk/back door again when you leave the vehicle. They will not lock automatically after they have been opened and then closed.

▶ Vehicles without smart entry & start system



1 Locks all doors and trunk/back door

2 Unlocks the trunk/back door

Lock the trunk/back door again when you leave the vehicle. They will not lock automatically after they have been opened and then closed.

3 Unlocks all doors and trunk/back door

■ **Operation signals**

The emergency flashers flash to indicate that the doors and trunk/back door have been locked/unlocked. (Locked: Once; Unlocked: Twice)

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

If the door, trunk or back door is not fully closed, a buzzer sounds continuously for 5 seconds if an attempt to lock the door is made. Fully close the door to stop the buzzer, and lock the vehicle once more.

■ **Alarm**

Using the wireless remote control to lock the doors will set the alarm system.

■ **Key battery depletion**

▶ Vehicles with smart entry & start system

→P. 46

▶ Vehicles without smart entry & start system

If the wireless remote control function does not operate, the battery may be depleted. Replace the battery when necessary. (→P. 557)

■ **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 the wireless remote control does not operate properly**

▶ Vehicles with smart entry & start system

- Locking and unlocking the doors: Use the key. (→P. 694)
- Starting the engine: →P. 695

▶ Vehicles without smart entry & start system

Locking and unlocking the doors: Use the key. (→P. 72)

■ **When the electronic key battery is fully depleted**

→P. 556

■ **Conditions affecting operation**

▶ Vehicles with smart entry & start system

→P. 44

▶ Vehicles without smart entry & start system

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
- When the wireless key battery is depleted
- If window tint with a metallic content or metallic objects are attached to the rear window
- Sedan: If a metallic object is placed on the package tray

■ **Customization that can be configured at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional**

Settings (e.g. door lock buzzer) can be changed.
(Customizable features →P. 741)

■ Certification for wireless remote control (vehicles without smart entry & start system)

Valeo

Valeo Security Systems

R&TTE Declaration of Conformity

We,

Manufacturer's name: Valeo Security Systems
Manufacturer's address: 76, rue Auguste Perret
F-96046 Créteil - France

hereby declare under our sole responsibility that the product:

Product name:	Model No.:
RF Transmitter (Jack Knife Key)	A03TAA

to which this declaration relates, complies with the essential protection requirements of R&TTE Directive (1999/5/ EC).
The product is compliant with the following standards and/or normative documents:

- Radio matters: EN 300 220-1 V2.3.1 (2010-02), EN 300 220-2 V2.3.1 (2010-02)
- EMC: EN 301 489-1 V1.8.1 (2008-04), EN 301 489-3 V1.4.1 (2002-08)
- Electrical Safety: EN 60950-1 (2006) /A11 (2009)/ A1 (2010)

CE marking: CE 0682

Signature:

J. Hugot
Approval Engineer
Date: 19-Apr-11

Valeo Security Systems tímto prohlašuje, že tento A03TAA je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Undertegnede Valeo Security Systems erklærer herved, at følgende udstyr A03TAA overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt Valeo Security Systems , dass sich das Gerät A03TAA in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Käesolevaga kinnitab Valeo Security Systems seadme A03TAA vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Hereby, Valeo Security Systems declares that this A03TAA is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Por medio de la presente Valeo Security Systems declara que A03TAA cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Valeo Security Systems ΔΗΛΩΝΕΙ ΟΤΙ A03TAA ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Par la présente Valeo Security Systems déclare que les appareils A03TAA sont conformes aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Con la presente Valeo Security Systems dichiara che questo A03TAA è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Ar šo Valeo Security Systems deklarē, ka A03TAA atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Šiuo Valeo Security Systems deklaruoja, kad šis A03TAA atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Hierbij verklaart Valeo Security Systems dat het toestel A03TAA in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Hawnhekk, Valeo Security Systems , jiddikjara li dan A03TAA jikkonforma mal‧tiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Alulírott, Valeo Security Systems nyilatkozom, hogy a A03TAA megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
Niniejszym Valeo Security Systems oświadcza, że A03TAA jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Valeo Security Systems declara que este A03TAA está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Valeo Security Systems izjavlja, da je ta A03TAA v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Valeo Security Systems týmto vyhlasuje, že A03TAA spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Valeo Security Systems vakuuttaa täten että A03TAA tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Härmed intygar Valeo Security Systems att denna A03TAA står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Hér með lýsir Valeo Security Systems yfir því að A03TAA er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Valeo Security Systems erklærer herved at utstyret A03TAA er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim , Valeo Security Systems, izjavljuje da ovaj A03TAA je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

Valeo

Valeo Security Systems

R&TTE Declaration of Conformity

We.

Manufacturer's name: Valeo Security Systems
Manufacturer's address: 76, rue Auguste Perret
F-96046 Créteil – France

hereby declare under our sole responsibility that the product:

Product name:	Model No.:
RF Receiver	0603B1-A

to which this declaration relates, complies with the essential protection requirements of R&TTE Directive (1999/5/ EC).
The product is compliant with the following standards and/or normative documents:

- Radio matters: EN 300 220-1 V2.1.1 (2006-04), EN 300 220-2 V2.1.1 (2006-04)
- EMC: EN 301 489-1 V1.6.1 (2005-09), EN 301 489-3 V1.4.1 (2002-08)
- Electrical Safety: EN 60950-1 (2002)

CE marking: CE

Signature:

J. Huguet
Approval Engineer
Date: 29-Apr-11

Valeo Security Systems tímto prohlašuje, že tento 0603B1-A je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Undertegnede Valeo Security Systems erklærer herved, at følgende udstyr 0603B1-A overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt Valeo Security Systems , dass sich das Gerät 0603B1-A in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Käesolevaga kinnitab Valeo Security Systems seadme 0603B1-A vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Hereby, Valeo Security Systems declares that this 0603B1-A is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Por medio de la presente Valeo Security Systems declara que 0603B1-A cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Valeo Security Systems ΔΗΛΩΝΕΙ ΟΤΙ 0603B1-A ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Par la présente Valeo Security Systems déclare que les appareils 0603B1-A sont conformes aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Con la presente Valeo Security Systems dichiara che questo 0603B1-A è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Ar šo Valeo Security Systems deklarē, ka 0603B1-A atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Šiuo Valeo Security Systems deklaruoja, kad šis 0603B1-A atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Hierbij verklaart Valeo Security Systems dat het toestel 0603B1-A in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Hawnhekk, Valeo Security Systems , jiddikjara li dan 0603B1-A jikkonforma mal‧tiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Alulírott, Valeo Security Systems nyilatkozom, hogy a 0603B1-A megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
Niniejszym Valeo Security Systems oświadcza, że 0603B1-A jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Valeo Security Systems declara que este 0603B1-A está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Valeo Security Systems izjavlja, da je ta 0603B1-A v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Valeo Security Systems týmto vyhlasuje, že 0603B1-A spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Valeo Security Systems vakuuttaa täten että 0603B1-A tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Härmed intygar Valeo Security Systems att denna 0603B1-A står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Hér með lýsir Valeo Security Systems yfir því að 0603B1-A er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Valeo Security Systems erklærer herved at utstyret 0603B1-A er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim , Valeo Security Systems, izjavljuje da ovaj 0603B1-A je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

Side doors

The vehicle can be locked and unlocked using the smart entry & start system, wireless remote control or door lock switch.

■ **Smart entry & start system (if equipped)**

→P. 40

■ **Wireless remote control**

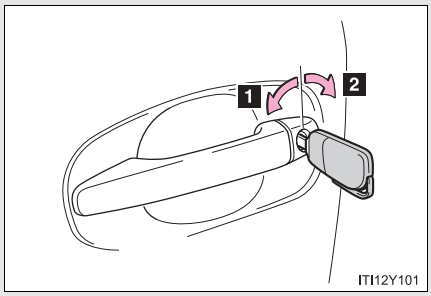
→P. 62

■ **Keys**

▶ Vehicles with smart entry & start system

The doors can also be locked and unlocked with the mechanical key. (→P. 694)

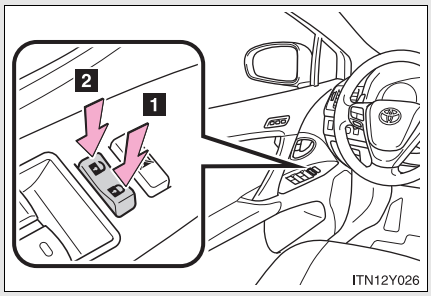
▶ Vehicles without smart entry & start system



1 Locks all doors

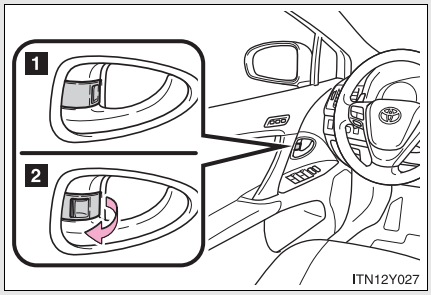
2 Unlocks all doors

Door lock switch



1 Locks all doors
2 Unlocks all doors

Inside lock button



1 Locks the door
2 Unlocks the door

The front doors can be opened by pulling the inside handles even if the lock buttons are in the lock position.

Locking the front doors from the outside without a key

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

STEP 2 Close the door while pulling the door handle.

▶ Vehicles with smart entry & start system

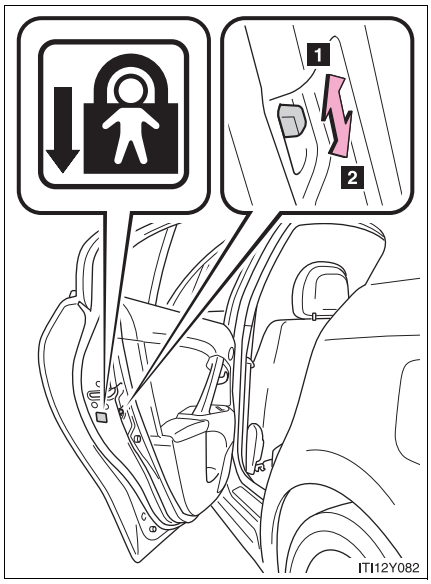
The door cannot be locked if the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode, or the electronic key is left inside the vehicle.

Depending on the position of the electronic key, the key may not be detected correctly and the door may be locked.

▶ Vehicles without smart entry & start system

The door cannot be locked if the key is in the engine switch.

Rear door child-protector lock



The door cannot be opened from inside the vehicle when the locks are set.

1 Unlock

2 Lock

These locks can be set to prevent children from opening the rear doors. Push down the rear door switches to lock the rear doors.

Automatic door locking and unlocking systems

To change the default setting, follow the instructions below.

Function	Operation	Default setting
Speed linked door locking function	All the doors are locked when the vehicle speed is approximately 20 km/h (12 mph) or higher.	On
Shift position linked door locking function	Shifting the shift lever out of “P” locks all the doors.	Off
Shift position linked door unlocking function	Shifting the shift lever to “P” unlocks all the doors.	Off
Driver’s door linked door unlocking function (vehicles with smart entry & start system)	All the doors are unlocked when the driver’s door is opened within 45 seconds after turning the “ENGINE START STOP” switch off.	On
Driver’s door linked door unlocking function (vehicles without smart entry & start system)	All the doors are unlocked when the driver’s door is opened within 45 seconds after turning the engine switch to “LOCK” position.	On

■ **Setting and canceling the functions**

▶ Vehicles with a “touch screen”

Customization can also be done by “touch screen”. (Refer to the ““touch screen” Owner’s Manual”.)

▶ Vehicles without a “touch screen”

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

STEP 1 Vehicles with smart entry & start system:

Close all doors and turn the “ENGINE START STOP” switch to IGNITION ON mode. (→P. 202)

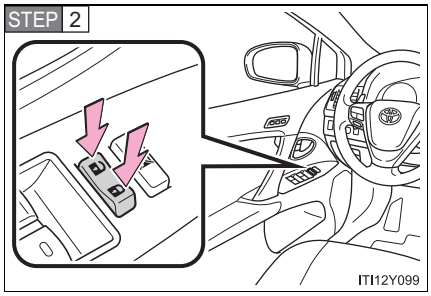
Perform STEP 2 within 10 seconds.

Vehicles without smart entry & start system:

Close all doors and turn the engine switch to “ON” position. (→P. 206)

Perform STEP 2 within 10 seconds.

STEP 2



Shift the shift lever to P or N, and press and hold the driver’s door lock switch (or) for approximately 5 seconds and then release.

The shift lever and switch positions corresponding to the desired function to be set are shown in the following table.

Use the same procedure to cancel the function.

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

▶ Vehicles with Multidrive or automatic transmission

Function	Shift lever position	Door lock switch position
Speed linked door locking function	N	
Shift position linked door locking function	P	
Shift position linked door unlocking function	P	
Driver’s door linked door unlocking function	N	

▶ Vehicles with manual transmission

Function	Shift lever position	Door lock switch position
Speed linked door locking function	Neutral	
Driver’s door linked door unlocking function		

Impact detection door lock release system

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

CAUTION

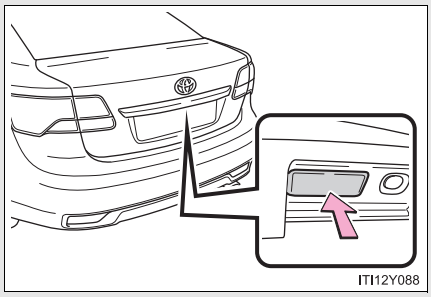
To prevent an accident

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.
- Ensure that all doors are properly closed.
- Do not pull the inside handle of the 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 front doors, as the doors may be opened even if the inside lock buttons are in locked position.
- Set the rear door child-protector locks when children are seated in the rear seat.

Trunk (sedan)

The trunk can be opened using the trunk opener.



Press the opener switch.

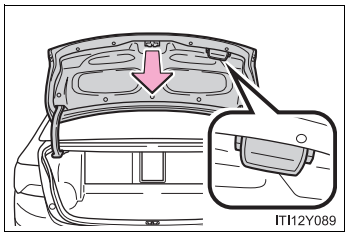
The trunk can be locked and unlocked using the smart entry & start system, wireless remote control or door lock switch.

- **Smart entry & start system (if equipped)**
  →P. 40
- **Wireless remote control**
  →P. 62
- **Door lock switch**
  →P. 73

■ **Trunk light**

The trunk light turns on when the trunk is opened.

■ **Trunk handle**



Use the trunk handle when closing the trunk.

Be careful not to pull the trunk lid sideways when closing the trunk with the handle.

■ **If the trunk opener is inoperative or the battery is discharged**

The trunk can opened from the inside. (→P. 692)

⚠ CAUTION

■ **While driving**

- Keep the trunk lid closed while driving.
  If the trunk lid is left open, it may hit near-by objects while driving or luggage in the trunk 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 trunk lid before driving.
- Before driving the vehicle, make sure that the trunk lid is fully closed. If the trunk lid is not fully closed, it may open unexpectedly while driving, causing an accident.
- Never let anyone sit in the trunk. In the event of sudden braking, sudden swerving or a collision, they are susceptible to death or serious injury.

CAUTION

When children are in the vehicle

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

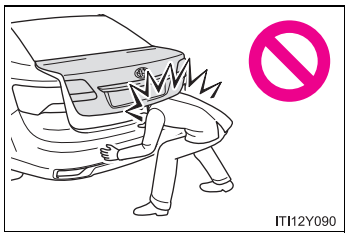
- Do not allow children to enter the trunk.
  If a child is accidentally locked in the trunk, they could have heat exhaustion or suffocate.
- Do not allow a child to open or close the trunk lid.
  Doing so may cause the trunk lid operate unexpectedly, or cause the child's hands, head, or neck to be caught by the closing trunk lid.

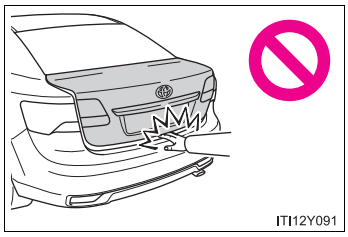
Using the trunk

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

- Remove any heavy loads, such as snow and ice, from the trunk lid before opening it. Failure to do so may cause the trunk lid to suddenly shut again after it is opened.
- When opening or closing the trunk lid, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the trunk is about to open or close.
- Use caution when opening or closing the trunk lid in windy weather as it may move abruptly in strong wind.

CAUTION

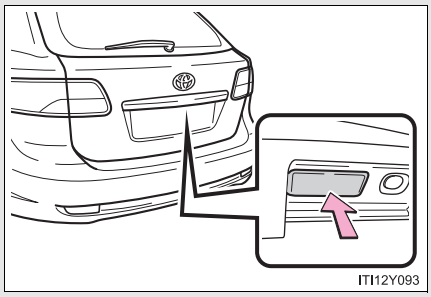




- The trunk lid may suddenly shut if it is not opened fully. It is more difficult to open or close the trunk lid on an incline than on a level surface, so beware of the trunk lid unexpectedly opening or closing by itself. Make sure that the trunk lid is fully open and secure before using the trunk.
- When closing the trunk lid, take extra care to prevent your fingers etc. from being caught.
- When closing the trunk lid, make sure to press it lightly on its outer surface. If the trunk handle is used to fully close the trunk lid, it may result in hands or arms being caught.
- Do not attach any accessories other than genuine Toyota parts to the trunk lid. Such additional weight on the trunk lid may cause the lid to suddenly shut again after it is opened.

Back door (wagon)

The back door can be opened using the back door opener.

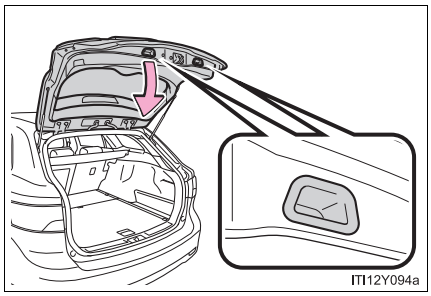


Press the opener switch.

The back door can be locked and unlocked using the smart entry & start system, wireless remote control or door lock switch.

- **Smart entry & start system (if equipped)**
  →P. 40
- **Wireless remote control**
  →P. 62
- **Door lock switch**
  →P. 73

When closing the back door



Lower the back door using the back door handle, and make sure to push the back door down from the outside to close it.

Be careful not to pull the back door sideways when closing the back door with the handle.

■ **Luggage compartment light**

The luggage compartment light turns on when the back door is opened.

■ **If the back door opener is inoperative or the battery is discharged**

→P. 693

⚠ 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, sudden swerving or a collision, they are susceptible to death or serious injury.

CAUTION

When children are in the vehicle

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

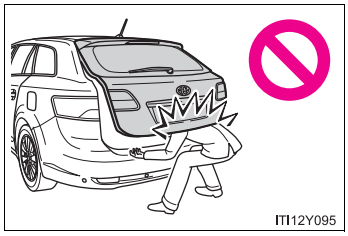
- Do not allow children to play in the luggage compartment.
  If a child is accidentally locked in the luggage compartment, they could have heat exhaustion or other injuries.
- Do not allow a child to open or close the back door.
  Doing so may cause the back door to move unexpectedly, or cause the child's hands, head, or neck to be caught by the closing back door.

Operating the back door

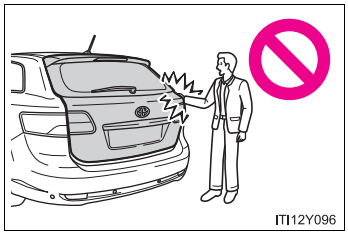
Observe the following precautions.
Failure to do so may cause parts of the body to be caught, resulting in death or serious injury.

- Remove any heavy loads, such as snow and ice, from the back door before opening it. Failure to do so may cause the back door to suddenly shut again after it is opened.
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- Use caution when opening or closing the back door in windy weather as it may move abruptly in strong wind.

CAUTION



- The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.



- When closing the back door, take extra care to prevent your fingers etc. from being caught.
- When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.

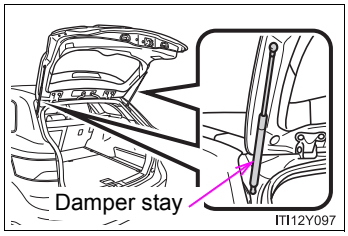
- Do not pull on the back door damper stay to close the back door, and do not hang on the back door damper stay.
  Doing so may cause hands to be caught or the back door damper stay to break, causing an accident.
- If a bicycle carrier or similar heavy object is attached to the back door, it may suddenly 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.

NOTICE

Back door damper stays

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

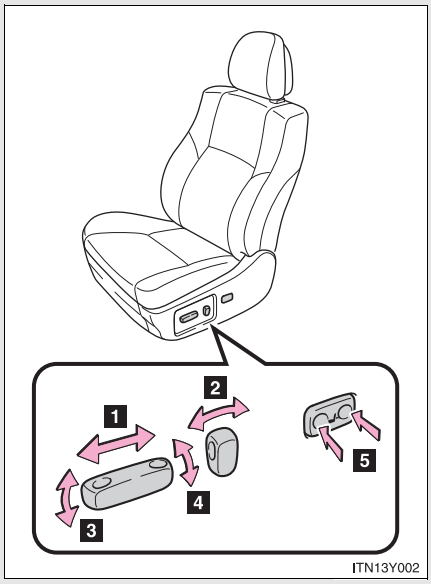
Observe the following precautions.
Failure to do so may cause damage to the back door damper stay, resulting in malfunction.



- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the damper stay rod.
- Do not touch the damper stay rod with gloves or other fabric items.
- Do not attach any accessories other than genuine Toyota parts to the back door.
- Do not place your hand on the damper stay or apply lateral forces to it.

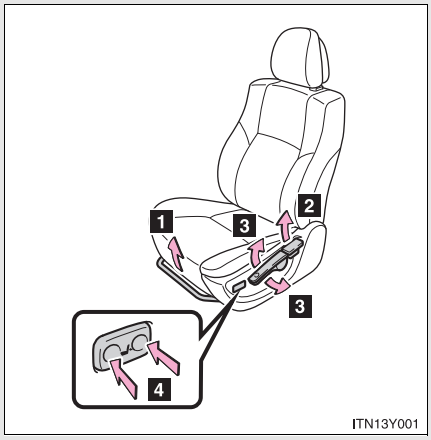
Front seats

▶ Power seat



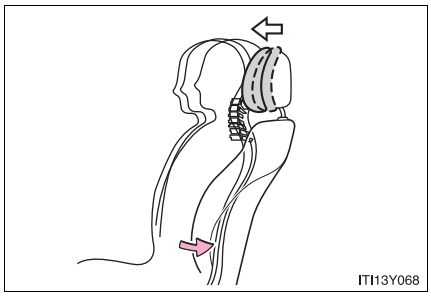
1 Seat position fore/aft control switch
2 Seatback angle control switch
3 Seat cushion (front) angle control switch
4 Vertical height control switch
5 Lumber support control switch (driver's side)

▶ Manual seat



1 Seat position adjustment lever
2 Seatback angle adjustment lever
3 Vertical height adjustment lever (driver's side)
4 Lumbar support control switch (if equipped for driver's side)

Active head restraint



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

Active head restraint

Even small forces applied to the seatback may cause the head restraint to move. This does not indicate a problem.

CAUTION

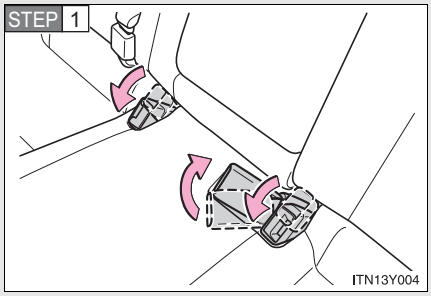
Seat adjustment

- Be careful that the seat does not hit passengers or luggage.
- 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, during an accident 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.
- Manual seat: After adjusting the seat, make sure that the seat is locked in position.

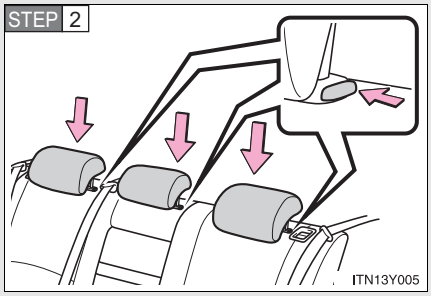
Rear seats

The seatbacks can be folded down.

■ Before folding down

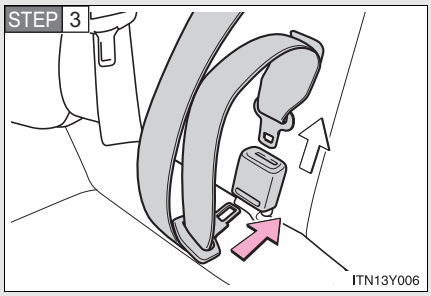


Stow the seat belt buckles as shown.

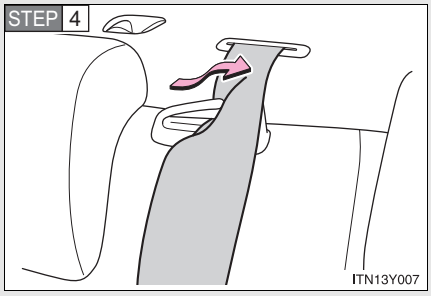


Lower each of the head restraints while pushing the lock release button.

Sedan: When folding down the right hand seatback, also carry out the following procedure.



Insert the tab into the hole on the center seat belt buckle to release tab (with hooked end), and allow the belt to retract.



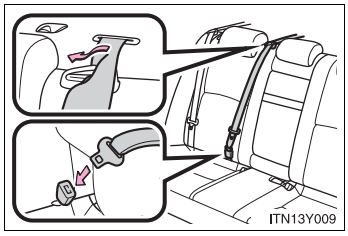
Remove the seat belt from the seat belt guide.

■ **Folding down the seatbacks**



Pull the lever to unlock the seatback and then fold the seatback down.

Returning the seatbacks (sedan)



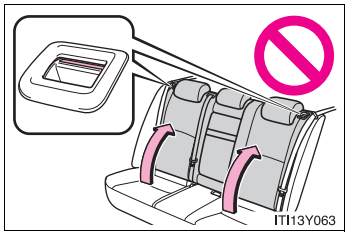
Tilt the seatback up until it locks, making sure that you hold the seat belt to prevent it from getting caught between the seatback and the inner side of the vehicle.

Make sure the shoulder belt passes through the guide and that the seat belt is in position before folding down the seat when returning the seatback up.

CAUTION

When returning the seatbacks to the upright position

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



- Make sure that the seatback is securely locked in position by lightly pushing it back and forth.
  If the seatback is not securely locked, the red marking will be visible on the seatback lock release lever. Make sure that the red marking is not visible.
- Check that the seat belts are not twisted or caught in the seatback.

Driving position memory system*

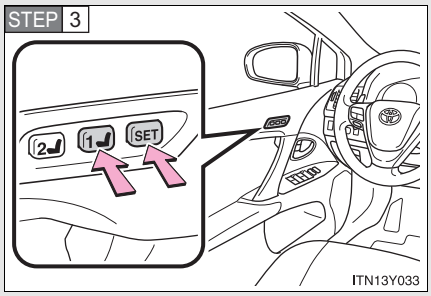
Your preferred driving position (the position of the driver's seat and steering wheel) can be entered into the computer's memory and recalled with the touch of a button.
Two different driving positions can be entered into memory.

■ Entering a position to memory

STEP 1 Vehicles with smart entry & start system: Turn the "ENGINE START STOP" switch to IGNITION ON mode.
Vehicles without smart entry & start system: Turn the engine switch to the "ON" position.

STEP 2 Adjust the driver's seat and steering wheel to the desired positions.

STEP 3



Press the "SET" button, then within 3 seconds press button "1" or "2" until the signal beeps.

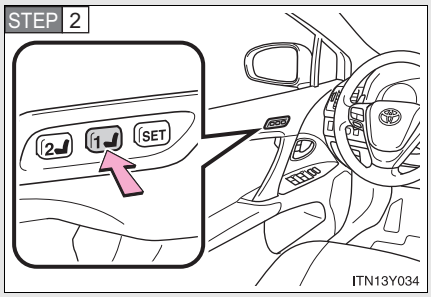
If the selected button has already been preset, the previously recorded position will be overwritten.

*: If equipped

■ Recalling the memorized position

STEP 1 Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch to IGNITION ON mode.
Vehicles without smart entry & start system: Turn the engine switch to the “ON” position.

STEP 2



Press button “1” or “2” to recall the memorized position.

■ When entering or recalling the memory

Check that the shift lever is set in “P” (Multidrive or automatic transmission) or parking brake is set (manual transmission).

■ **Retained accessory power**

▶ Vehicles with smart entry & start system

- Memorized driver's seat position can be activated within 180 seconds after the driver's door is opened, even if the "ENGINE START STOP" switch is turned OFF.
- Memorized driver's seat position can be recalled within 60 seconds after the driver's door is closed, even if the "ENGINE START STOP" switch is turned OFF.

▶ Vehicles without smart entry & start system

- Memorized driver's seat position can be activated within 180 seconds after the driver's door is opened, even if the engine switch is turned to the "LOCK" position.
- Memorized driver's seat position can be recalled within 60 seconds after the driver's door is closed, even if the engine switch is turned to the "LOCK" position.

■ **To cancel seat position recall**

Perform one of the following operations.

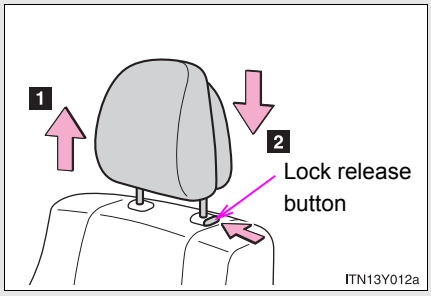
- Press the "SET" button
- Press button "1" or "2"
- Adjust the seat using the switches (only cancels seat position recall)

⚠ CAUTION

■ **Seat adjustment caution**

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

Head restraints



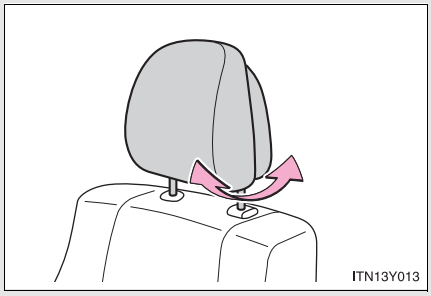
Vertical adjustment

1 Up

Pull the head restraints up.

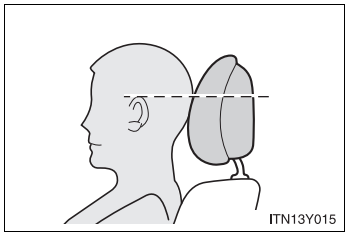
2 Down

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



Angle adjustment (if equipped for front seats)

■ Adjusting the height of the head restraints



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

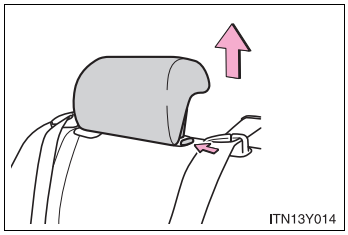
■ Adjusting the rear seat head restraint

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

Removing and installing the front seat head restraints

For removal and installation, ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Removing the rear seat head restraints



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

Installing the rear seat head restraints

STEP 1 Align the head restraint with the installation holes.

STEP 2 Push down the head restraint to the lock position.

CAUTION

Head restraint precautions

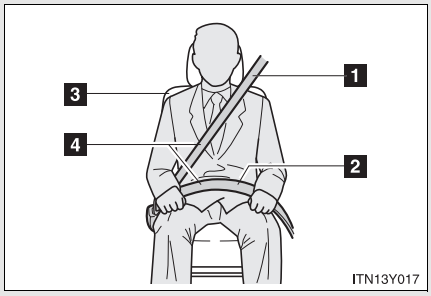
Observe the following precautions regarding the head restraints. Failure to do so may result in death or serious injury.

- 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.

Seat belts

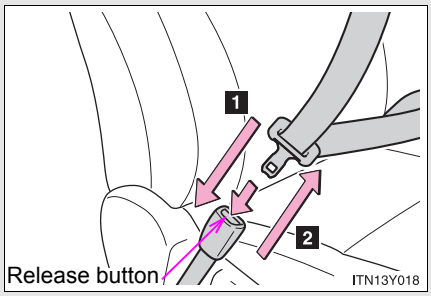
Make sure that all occupants are wearing their seat belts before driving the vehicle.

■ Correct use of the seat belts



1. 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.
2. Position the lap belt as low as possible over the hips.
3. Adjust the position of the seatback. Sit up straight and well back in the seat.
4. Do not twist the seat belt.

■ Fastening and releasing the seat belt



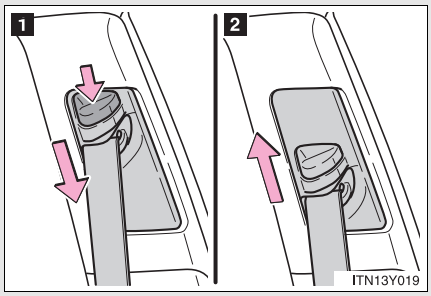
1 Fastening the belt

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

2 Releasing the belt

Press the release button.

■ Adjusting the height of the belt (front seats)

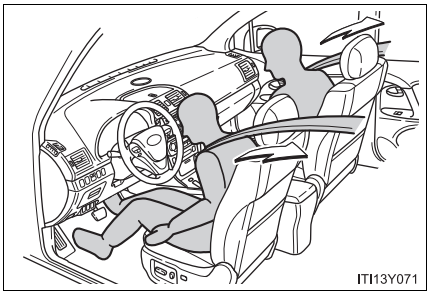


1 Down

2 Up

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

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.

Pre-crash seat belts (front seats of vehicles with pre-crash safety system)

If the system determines that a collision is unavoidable, the front seat belts will retract before the collision. (→P. 325)

■ **Emergency locking retractor (ELR)**

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

■ **Child seat belt usage**

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

- Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 160)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions on P. 100 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, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, for seat belt replacement or installation.

⚠ CAUTION

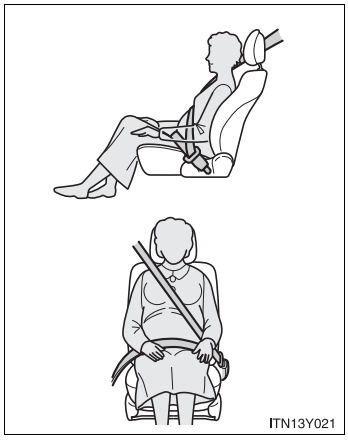
Observe the following precautions to reduce the risk of injury in the event of sudden braking, sudden swerving or an accident.
Failing to do so may cause death or serious injury.

■ **Wearing a seat belt**

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

CAUTION

Pregnant women



Obtain medical advice and wear the seat belt in the proper way. (→P. 100)

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.

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.

CAUTION

■ **Seat belt pretensioners**

- Do not place anything, such as a cushion, on the front passenger's seat. Doing so will disperse the passenger's weight, which prevents the sensor from detecting the passenger's weight properly. As a result, the seat belt pretensioner for the front passenger's seat may not activate in the event of a collision.
- If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **Adjustable shoulder anchor**

Always make sure the shoulder belt is positioned across the center of your shoulder. The belt should be kept away from your neck, but not falling off your shoulder. Failure to do so could reduce the amount of protection in an accident and cause death or serious injuries in the event of a sudden stop, sudden swerve or accident. (→P. 101)

■ **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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

CAUTION

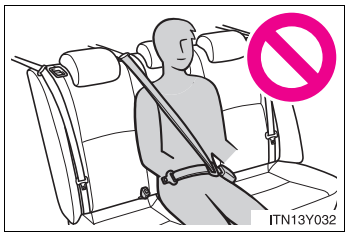
■ Seat belt damage and wear

- 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. Inappropriate handling of the pretensioner may prevent it from operating properly resulting in death or serious injury.

For sedan:

- Always make sure the shoulder belt passes through the guide when using the seat belt. Failure to properly position the belt may reduce the amount of protection in an accident and could lead to serious injuries in a collision or sudden stop.
- Always make sure that the seat belt is not twisted, does not get caught in the guide or the seatback and is arranged in the proper position.

■ When using the rear center seat belt (sedan)

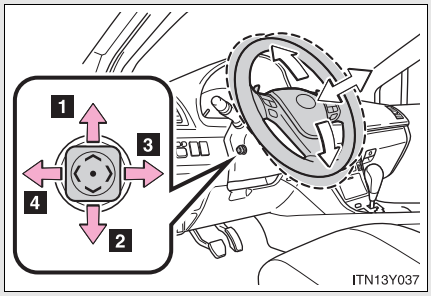


Do not use the rear center seat belt with either buckle released. Fastening only one of the buckles may result in death or serious injury in case of sudden braking or a collision.

Steering wheel

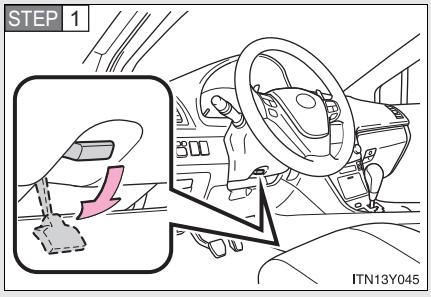
The steering wheel can be adjusted to a comfortable position.

▶ Power tilt & telescopic steering wheel

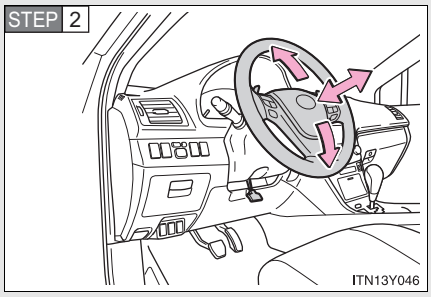


1 Up
2 Down
3 Toward the driver
4 Away from the driver

▶ Manual tilt & telescopic steering wheel



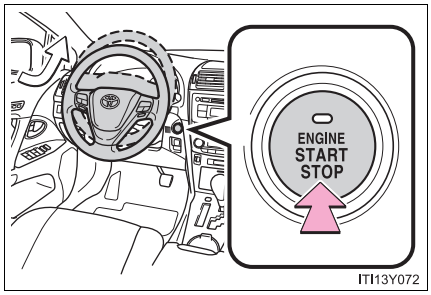
Hold the steering wheel and press the lever down.



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

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

Auto tilt away (vehicles with power tilt & telescopic steering wheel)



When the “ENGINE START STOP” switch is turned OFF, the steering wheel returns to its stowed position by moving up and away to enable easier driver entry and exit.

Switching to ACCESSORY or IGNITION ON mode will return the steering wheel to the original position.

■ **The power tilt & telescopic steering wheel can be operated when**

The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

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

A desired steering position can be entered to memory and recalled automatically by the driving position memory. (→P. 95)

⚠ CAUTION

■ **While driving**

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

■ **After adjusting the steering wheel (vehicles with manual tilt & telescopic steering wheel)**

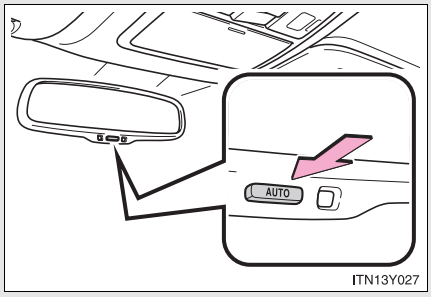
Make sure that the steering wheel is securely locked by trying to move the steering wheel up and down.
Otherwise, the steering wheel may move suddenly, possibly causing an accident and resulting in death or serious injury.

Inside rear view mirror

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

▶ Auto anti-glare inside rear view mirror

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



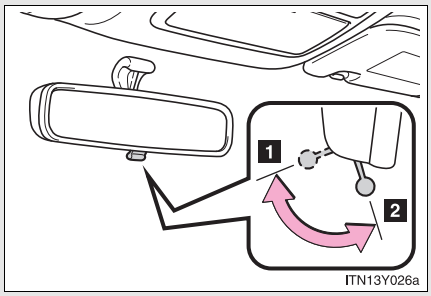
Turns auto mode on/off

The indicator comes on when auto mode is turned on.

Vehicles with smart entry & start system:
The mirror will revert to the auto mode each time the “ENGINE START STOP” switch is turned to IGNITION ON mode.

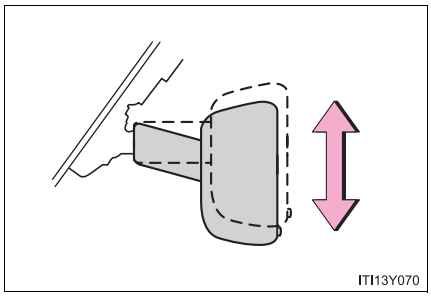
Vehicles without smart entry & start system:
The mirror will revert to the auto mode each time the engine switch is turned to the “ON” position.

▶ Manual anti-glare inside rear view mirror



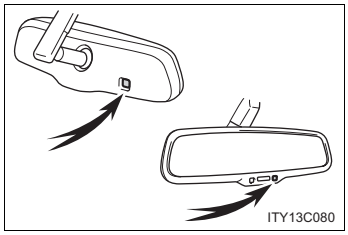
1 Normal position
2 Anti-glare position

Adjusting the height of rear view mirror (vehicles with auto anti-glare inside 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.

CAUTION

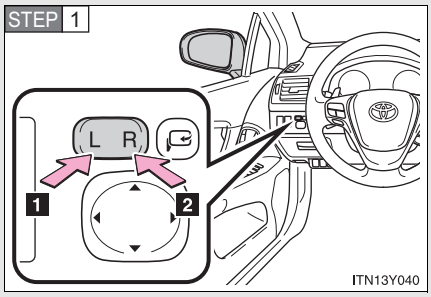
■ **While driving**

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

Outside rear view mirrors

Mirror angle can be adjusted using the switch.

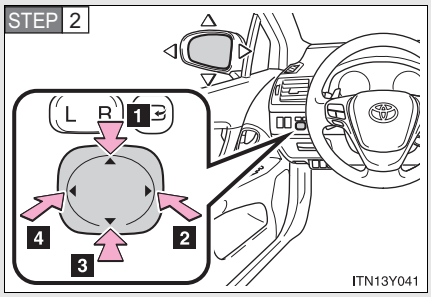
STEP 1



Select a mirror to adjust.

1 Left
2 Right

STEP 2

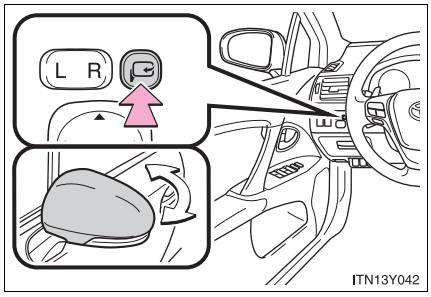


Adjust the mirror.

1 Up
2 Right
3 Down
4 Left

Folding back the mirrors

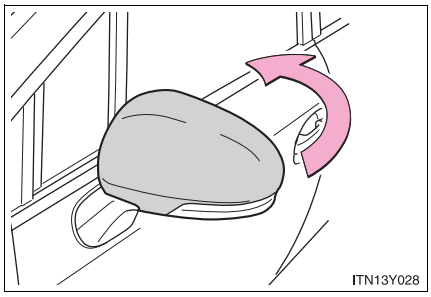
▶ Power type (if equipped)



Press the switch.

Pressing again will extend the mirror.

▶ Manual type



Push backward to fold the mirrors.

■ **The outside rear view mirrors can be operated when**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ACC” or “ON” position.

■ **When the mirrors are fogged up**

The outside rear view mirrors can be cleared using the mirror heaters. Turn on the rear window defogger to turn on the outside rear view mirror heaters. (→P. 373)

CAUTION

While driving

Observe the following precautions.
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.
- Do not drive with the mirrors folded back.
- Both the driver and passenger side mirrors must be extended and properly adjusted before driving.

When a mirror is moving

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

When the mirror defoggers are operating

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

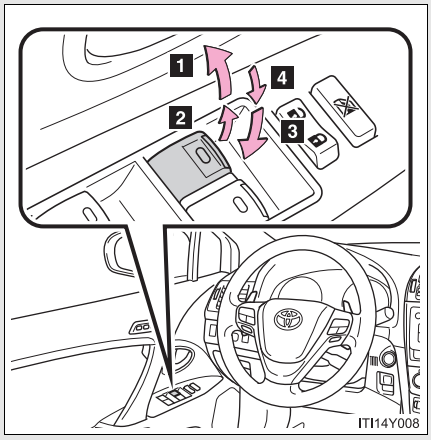
NOTICE

If ice should jam the mirror

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

Power windows

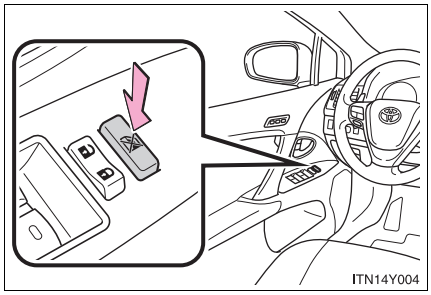
The power windows can be opened and closed using the following switches.



1 One-touch closing (if equipped)*
2 Closing
3 One-touch opening (if equipped)*
4 Opening

*: To stop the window partway, operate the switch in the opposite direction.

Lock switch



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**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position.

■ **Retained accessory power**

▶ Vehicles with smart entry & start system

The power windows can be operated for approximately 45 seconds even after the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned OFF. They cannot, however, be operated once either front door is opened.

▶ Vehicles without smart entry & start system

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

■ **Jam protection function**

If an object becomes caught between the window and the window frame, window travel is stopped and the window is opened slightly.

■ **When the power window does not close normally**

If the jam protection function is operating abnormally and a window cannot be closed, perform the following operations using the power window switch on the relevant door.

- After stopping the vehicle, the window can be closed by holding the power window switch in the one-touch closing position while the “ENGINE START STOP” switch is turned to IGNITION ON mode (vehicles with smart entry & start system) or the engine switch is turned to the “ON” position (vehicles without smart entry & start system).
- If the window still cannot be closed even by carrying out the operation explained above, initialize the function by performing the following procedure.

STEP 1 Hold the power window switch in the one-touch closing position. Continue holding the switch for a further 6 seconds after the window has closed.

STEP 2 Hold the power window switch in the one-touch opening position. Continue holding the switch for a further 2 seconds after the window has opened completely.

STEP 3 Hold the power window switch in the one-touch closing position once again. Continue holding the switch for a further 2 seconds after the window has closed.

If you release the switch while the window is moving, start again from the beginning. If the window continues to close but then re-open slightly even after performing the above procedure correctly, have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

CAUTION

■ When closing the windows

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

- 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.
- Do not allow children to operate the power windows.
  Closing a power window on someone can cause serious injury, and in some instances, even death.

■ Jam protection function

- Never try jamming any part of your body to activate the jam protection function intentionally.
- The jam protection function may not work if something gets caught just before the window fully closes.

Opening the fuel tank cap

Perform the following steps to open the fuel tank cap.

■ Before refueling the vehicle

▶ Vehicles with smart entry & start system

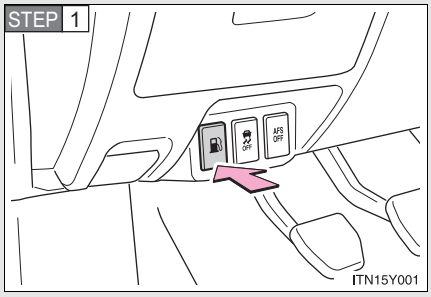
Turn the “ENGINE START STOP” switch OFF and ensure that all the doors and windows are closed.

▶ Vehicles without smart entry & start system

Turn the engine switch to the “LOCK” position and ensure that all the doors and windows are closed.

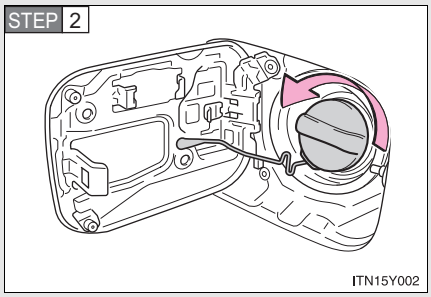
■ Opening the fuel tank cap

STEP 1



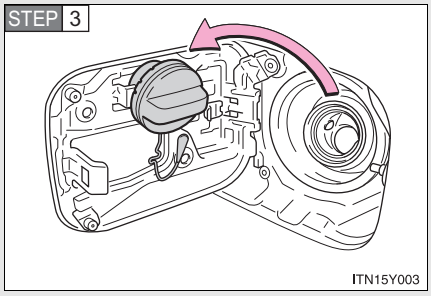
Press the fuel filler door opener switch.

STEP 2



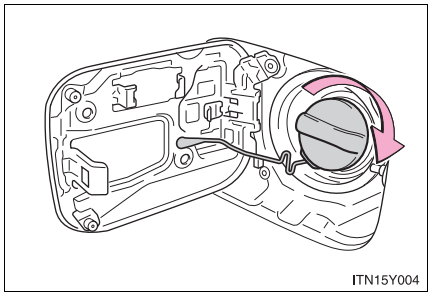
Turn the fuel tank cap slowly to open.

STEP 3



Hang the fuel tank cap on the back of the fuel filler door.

Closing the fuel tank cap



When replacing the fuel tank cap, turn it until a clicking sound is heard.

After releasing your hand, the cap will turn slightly to the opposite direction.

■ **Fuel types**

▶ Gasoline engine

EU area:
Unleaded gasoline conforming to European standard EN228, Research Octane Number of 95 or higher

Except EU area:
Unleaded gasoline, Research Octane Number of 95 or higher

▶ Diesel engine

Engine/catalytic converter	Type
1AD-FTV engine without DPF catalytic converter	EU area: Diesel fuel conforming to European standard EN590 Except EU area: Diesel fuel that contains 500 ppm or less of sulfur and has a cetane number of 48 or higher
1AD-FTV engine with DPF catalytic converter, 2AD-FTV and 2AD-FHV engines	EU area: Diesel fuel conforming to European standard EN590 Except EU area: Diesel fuel that contains 50 ppm or less of sulfur and has a cetane number of 48 or higher

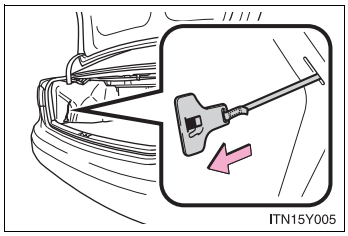
■ **Use of ethanol blended gasoline in a gasoline engine**

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.

■ **Fuel tank capacity**

Approximately 60 L (15.9 gal., 13.2 Imp.gal.)

■ **When the fuel filler door opener switch is inoperable**



Pull the lever slowly rearward (not sideways) as shown in the illustration.

The lever can be used to open the fuel filler door if the fuel filler door cannot be opened using the inside switch because the battery discharged or for any other reason.

CAUTION

■ Refueling the vehicle

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

- Touch the vehicle or some other metal surface to discharge any static electricity.
  Sparks resulting from discharging static electricity may cause the fuel vapors to ignite.
- 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 bodies to come close to an open fuel tank.
- Do not inhale vaporized fuel.
  Fuel contains substances that are harmful if inhaled.
- Do not smoke while refueling the vehicle.
  Doing so may cause the fuel to ignite and cause a fire.
- Do not return to the vehicle or touch any person or object that is statically charged.
  This may cause static electricity to build up, resulting in a possible ignition hazard.

CAUTION

When replacing the fuel tank cap

Do not use anything but a genuine Toyota fuel tank cap designed for your vehicle. Failure to do so may cause a fire or other incident which may result in death or serious injury.

NOTICE

Refueling

Do not spill fuel during refueling.
Failure to do so may damage the vehicle, such as causing the exhaust systems to operate abnormally or damaging fuel system components or the vehicle's painted surface.

Fuel filler door emergency release lever

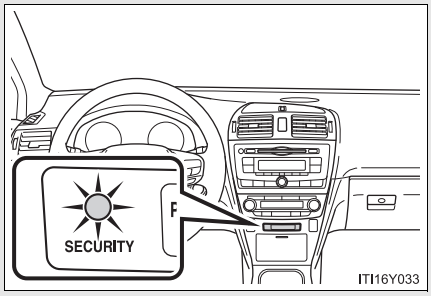
- Do not pull the lever strongly.
- Do not use the lever except in an emergency.

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.

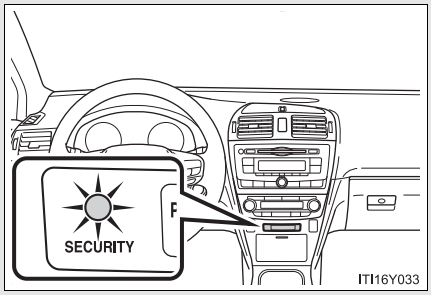
▶ Vehicles with smart entry & start system



The indicator light flashes after the "ENGINE START STOP" switch has been turned OFF to indicate that the system is operating.

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

▶ Vehicles without smart entry & start system



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

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

■ **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

Engine immobilizer certification (vehicles with smart entry & start system)

Hereby, Toyota Motor Corporation, declares that this TMIMB-1 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TOYOTA

TOYOTA MOTOR CORPORATION

1, TOYOTA-CHO, TOYOTA, AICHI, 471-8571(Head Office)
or 471-8572(Research & Development Group) JAPAN
TEL : (0565)28 -2121

R&TTE Declaration of Conformity

We,

Manufacturer's Name: TOYOTA MOTOR CORPORATION
Manufacturer's Address: 1, Toyota-cho, Toyota, Aichi, 471-8572 Japan

hereby declare under our sole responsibility that the product:

Product Name: Immobilizer
Product Model: TMIMB-1

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product is compliant with the following standards and/or other normative documents:

- Health & safety requirements: EN60950-1:2001
- EMC requirements: EN301 489-1 V1.4.1 & EN301 489-3 V1.4.1
- Effective use of radio spectrum: EN300 330-2 V1.1.1

Supplementary information:

* CE mark	CE
* Member states intended for use	EU and EFTA

Date: September 17, 2004

Signature: T. Katayama

Tomoaki Katayama

Hereby, Toyota Motor Corporation, declares that this TMIMB-1 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Toyota Motor Corporation vakuuttaa täten että TMIMB-1 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart Toyota Motor Corporation dat het toestel TMIMB-1 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Par la présente Toyota Motor Corporation déclare que l'appareil TMIMB-1 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Härmed intygar Toyota Motor Corporation att denna TMIMB-1 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede Toyota Motor Corporation erklærer herved, at følgende udstyr TMIMB-1 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt Toyota Motor Corporation, dass sich das Gerät TMIMB-1 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Toyota Motor Corporation ΔΗΛΩΝΕΙ ΟΤΙ TMIMB-1 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Con la presente Toyota Motor Corporation dichiara che questo TMIMB-1 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente Toyota Motor Corporation declara que el TMIMB-1 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Toyota Motor Corporation declara que este TMIMB-1 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, Toyota Motor Corporation, jiddikjara li dan TMIMB-1 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Käesolevaga kinnitab Toyota Motor Corporation seadme TMIMB-1 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Alulírott, Toyota Motor Corporation nyilatkozom, hogy a TMIMB-1 megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.

Toyota Motor Corporation týmto vyhlasuje, že TMIMB-1 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Toyota Motor Corporation tímto prohlašuje, že tento TMIMB-1 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Toyota Motor Corporation izjavlja, da je ta TMIMB-1 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Šiuo Toyota Motor Corporation deklaruoja, kad šis TMIMB-1 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Ar šo Toyota Motor Corporation deklarē, ka TMIMB-1 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Niniejszym Toyota Motor Corporation oświadcza, że TMIMB-1 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Hér með lýsir Toyota Motor Corporation yfir því að TMIMB-1 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Toyota Motor Corporation erklærer herved at utstyret TMIMB-1 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim, Toyota Motor Corporation, izjavljuje da ovaj TMIMB-1 je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

■ **Engine immobilizer certification (vehicles without smart entry & start system)**

Hereby, TRCZ s.r.o., declares that this RI-37BTY is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TRCZ

R&TTE Declaration of Conformity

We,

Manufacturer's Name: TRCZ s.r.o.
Manufacturer's Address: Prumyslova 1165, 410 02, Lovosice, Czech Republic

hereby declare under our sole responsibility that the product:

Product Name: Immobilizer
Product Model: RI-37BTY

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product is compliant with the following standards and/or other normative documents:

Safety: EN60950-1
EMC: EN301 489-1 & -3
Spectrum: EN300 330-2

Supplementary information:

* CE mark	CE
* Member states intended for use	EU and EFTA
* Member states with restrictive use	None

Date: 6 September 2010

Signature:

Yasuo Miyake
Position of the signatory: Plant manager

TRCZ s.r.o. vakuuttaa täten että RI-37BTY tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart TRCZ s.r.o. dat het toestel RI-37BTY in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Par la présente TRCZ s.r.o. déclare que l'appareil RI-37BTY est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Härmed intygar TRCZ s.r.o. att denna RI-37BTY står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede TRCZ s.r.o. erklærer herved, at følgende udstyr RI-37BTY overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt TRCZ s.r.o., dass sich das Gerät RI-37BTY in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ TRCZ s.r.o. ΔΗΛΩΝΕΙ ΟΤΙ RI-37BTY ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Con la presente TRCZ s.r.o. dichiara che questo RI-37BTY è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente TRCZ s.r.o. declara que el RI-37BTY cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
TRCZ s.r.o. declara que este RI-37BTY está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, TRCZ s.r.o., jiddikjara li dan RI-37BTY jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Käesolevaga kinnitab TRCZ s.r.o. seadme RI-37BTY vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Alulírott, TRCZ s.r.o. nyilatkozom, hogy a RI-37BTY megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
TRCZ s.r.o. týmto vyhlasuje, že RI-37BTY spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
TRCZ s.r.o. tímto prohlašuje, že tento RI-37BTY je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
TRCZ s.r.o. izjavlja, da je ta RI-37BTY v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Šiuo TRCZ s.r.o. deklaruoja, kad šis RI-37BTY atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Ar šo TRCZ s.r.o. deklarē, ka RI-37BTY atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Niniejszym TRCZ s.r.o. oświadcza, że RI-37BTY jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Hér með lýsir TRCZ s.r.o. yfir því að RI-37BTY er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
TRCZ s.r.o. erklærer herved at utsyret RI-37BTY er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim, TRCZ s.r.o. izjavljuje da ovaj RI-37BTY je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

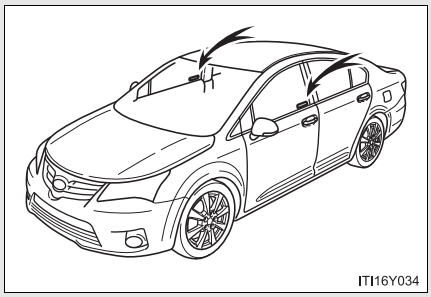
NOTICE

■ **To ensure the system operates correctly**

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

Double locking system*

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



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

Setting the system

▶ Vehicles with smart entry & start system

Turn the “ENGINE START STOP” switch OFF, have all the passengers exit the vehicle and ensure that all the doors are closed.

Using the smart entry & start system:
Touch the sensor area on the outside door handle twice within 5 seconds.
Using the wireless remote control:
Press the button twice within 5 seconds.

▶ Vehicles without smart entry & start system

Turn the engine switch to the “LOCK” position, have all passengers exit the vehicle and ensure that all the doors are closed.

Using the wireless remote control:
Press the button twice within 5 seconds.

*: If equipped

Canceling the system

Using the smart entry & start system (if equipped):
Hold the outside door handle on the driver side.

Using the wireless remote control:
Press the button.

CAUTION

Double locking system precaution

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

Alarm*

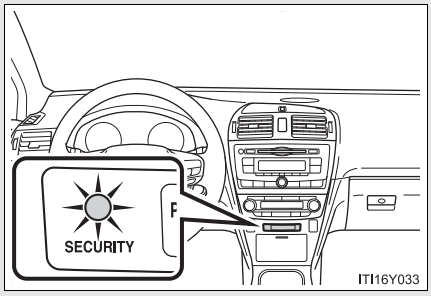
The system sounds the alarm and flashes lights when forcible entry is detected.

■ Triggering of the alarm

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

- A locked door is unlocked or opened in any way other than by using the smart entry & start system or the wireless remote control. (The doors will lock again automatically.)
- The hood is opened.
- If equipped, the intrusion sensor detects something moving inside the vehicle. (An intruder gets in the vehicle.)

■ Setting the alarm system



Close the doors, trunk/back door and hood, and lock all doors.

The system will be set automatically after 30 seconds.

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

*: If equipped

■ **Deactivating or stopping the alarm**

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

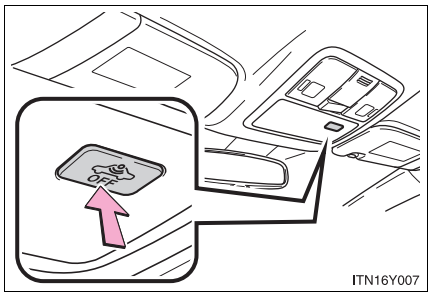
- Unlock the doors, trunk or back door using the smart entry & start system or the wireless remote control.
- Start the engine. (The alarm will be deactivated or stopped after a few seconds.)

Intrusion sensor (if equipped)

The intrusion sensor detects an intruder or movement in the vehicle. The intrusion sensor can be canceled using the cancel switch.

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

Canceling the intrusion sensor



Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch OFF and press the intrusion sensor cancel switch.

Vehicles without smart entry & start system: Turn the engine switch to the “LOCK” position and press the intrusion sensor cancel switch.

Pressing the switch again will re-enable the intrusion sensor.

To cancel the intrusion sensor, perform the necessary procedure each time canceling the sensor is desired.

System maintenance

The vehicle has a maintenance-free type alarm system.

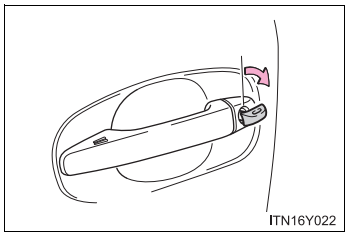
Items to check before locking the vehicle

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

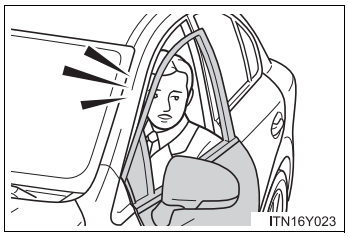
- Nobody is in the vehicle.
- The windows is closed before the alarm is set.
- No valuables or other personal items are left in the vehicle.

Triggering of the alarm

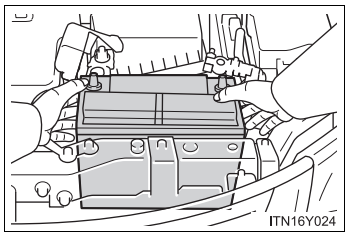
The alarm may be triggered in the following situations. (Stopping the alarm deactivates the alarm system.)



- The door is unlocked using the key.



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



- The battery is recharged or replaced when the vehicle is locked.

When the battery is disconnected

Be sure to cancel the alarm system.
If the battery is disconnected before canceling the alarm, the system may be triggered when the battery is reconnected.

■ **Alarm-operated door lock**

- When the alarm is operating, the doors are locked automatically to prevent intruders.
- Do not leave the key inside the vehicle when the alarm is operating, and make sure the key is not inside the vehicle when recharging or replacing the battery.

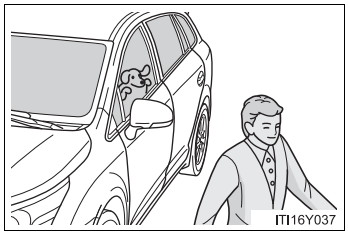
■ **Canceling and automatic re-enabling of the intrusion sensor**

- The alarm will still be set even when the intrusion sensor is canceled.
- Vehicles with smart entry & start system: After the intrusion sensor is canceled, pressing the “ENGINE START STOP” switch or unlocking the doors using the smart entry & start system or wireless remote control will re-enable the intrusion sensor.

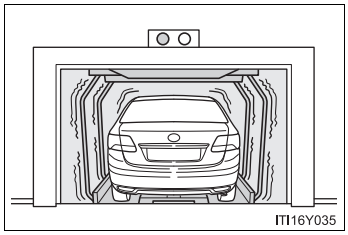
  Vehicles without smart entry & start system: After the intrusion sensor is canceled, turn the engine switch to the “LOCK” position or unlocking the doors using the wireless remote control will re-enable the intrusion sensor.
- The intrusion sensor will automatically be re-enabled when the alarm system is deactivated.

■ **Intrusion sensor considerations**

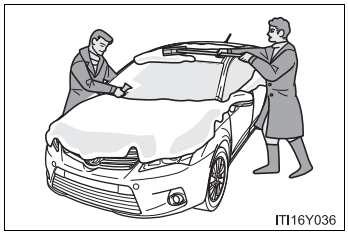
The sensor may trigger the alarm in the following situations.



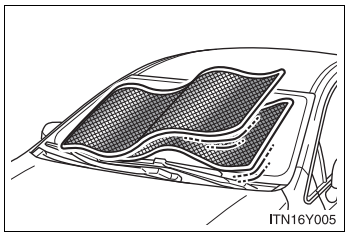
- Persons or pets are in the vehicle.



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



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



- The wind or something similar causes a frost cover to move.

- Unstable items, such as dangling accessories or clothes hanging on the coat hooks, are in the vehicle.
- A window is open.
- The vehicle is inside an automatic or high-pressure car washer.
- The vehicle experiences impacts, such as hail, lightning strikes, or other kinds of repeated impacts or vibrations.

Certification

Hereby, FUJITSU TEN LIMITED, declares that this FTL313 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

FUJITSU TEN LIMITED
Engineering Management Department
Design Management Division
Products Management Group

2-28, Gosho-dori 1-chome, Hyogo-ku, Kobe, 652-8510, Japan
Tel.: +81.78-682-2031 Fax.: +81.78-671-7160

FUJITSU TEN

DECLARATION of CONFORMITY

We, FUJITSU TEN LIMITED of the above address, hereby declare, at our sole responsibility, that the following product conforms to the Essential Requirements of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC in accordance with the tests conducted to the appropriate requirements of the relevant standards, as listed herewith.

Product Name:	**Motion Sensor**	
Model Number:	**FTL313**	
Reference Standards:		
	Radio :	
	EN 300 440-1	**V1.5.1(2009-03)**
	EN 300 440-2	**V1.3.1(2009-03)**
	EMC :	
	EN 301 489-1	**V1.8.1(2008-04)**
	EN 301 489-3	**V1.4.1(2002-08)**
	Safety :	
	EN 60065	**2002+A11:2008**

Supplementary Information:

CE Mark	CE 0891 !
Member states intend for use	**EU and EFTA**
Member states with restrictive use	**The sensor installed to vehicles sold other than UK and Ireland is not allowed to operate in UK**

Signature:
Takao KAMAI

Position: Department General Manager
Engineering Management Department
Design Management Division
Products Management Group

Date of issue: 20 April 2010
Place of issue: Kobe, Japan

The latest “DECLARATION of CONFORMITY” (DoC) is available at the address stated in the DoC.

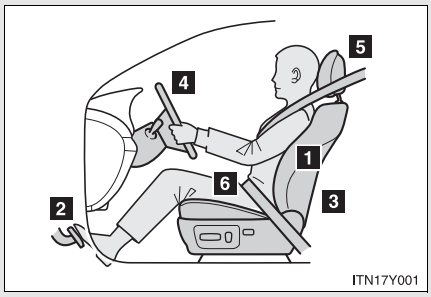
NOTICE

■ To ensure the system operates correctly

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

Correct driving posture

Drive with a good posture as follows:



1. Sit upright and well back in the seat. (→P. 90)
2. Adjust the position of the seat forward or backward to ensure the pedals can be reached and easily depressed to the extent required. (→P. 90)
3. Adjust the seatback so that the controls are easily operable.
4. Adjust the tilt and telescopic positions of the steering wheel downward so the airbag is facing your chest. (→P. 108)
5. Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 98)
6. Wear the seat belt correctly. (→P. 100)

⚠ CAUTION

■ While driving

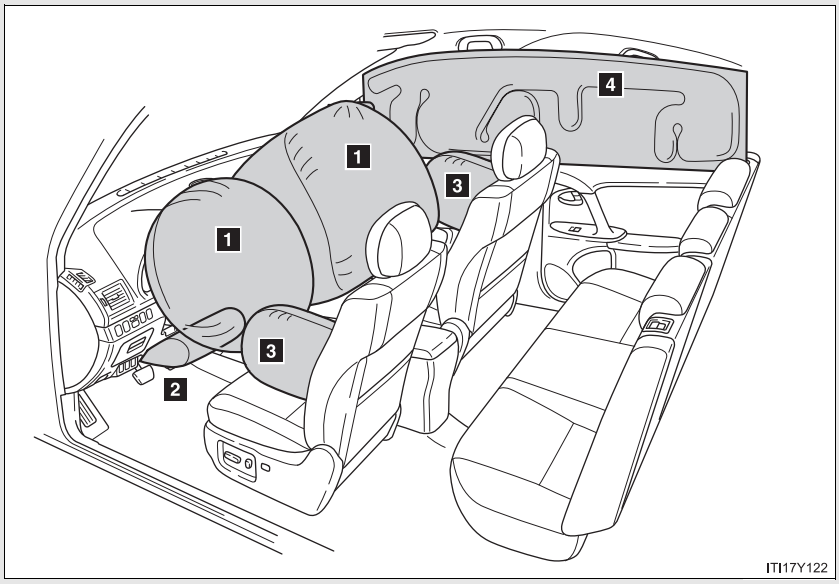
- Do not adjust the position of the driver's seat.
  Doing so could cause the driver to lose control of the vehicle.
- Do not place a cushion between the driver or passenger and the seatback.
  A cushion may prevent correct posture from being achieved, and reduce the effectiveness of the seat belt and 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

- 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 during an accident, 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.
- 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.

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.

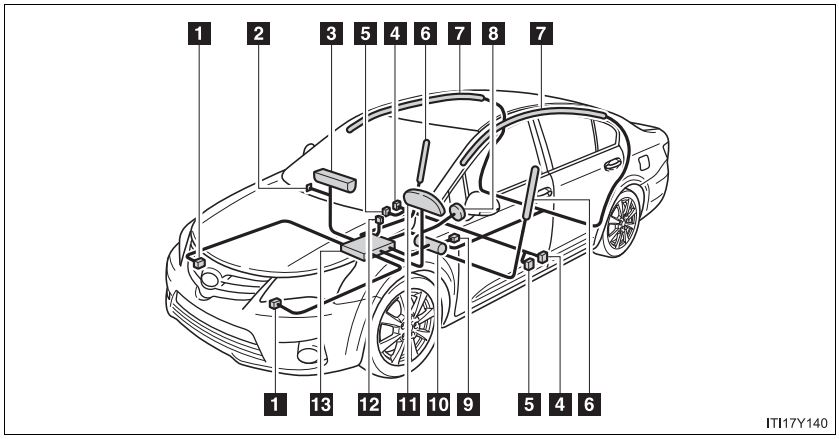
2 Knee airbag
Can help provide driver protection.

▶ Side and curtain shield airbags

3 Side airbags
Can help protect the torso of the front seat occupants.

4 Curtain shield airbags
Can help protect primarily the head of front seat occupants and rear outboard seat occupants.

Airbag system components



1 Front airbag sensor
2 Airbag manual on-off switch
3 Front passenger airbag
4 Side and curtain shield airbag sensor
5 Seat belt pretensioners and force limiters
6 Side airbag
7 Curtain shield airbag
8 Driver airbag
9 Driver's seat belt buckle switch
10 Knee airbag
11 SRS warning light
12 "PASSENGER AIRBAG" indicator light
13 Airbag sensor assembly

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

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

- Bruising and slight abrasions may result from contact with a deploying (inflating) SRS airbag.
- A loud noise and white powder will be emitted.
- Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, front pillar and roof side rail, may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.

■ **Operating conditions (front airbags)**

- The SRS front airbag 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).

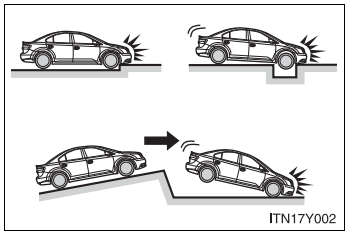
  However, this threshold velocity will be considerably higher if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, or if the vehicle is involved in an underride collision (e.g. a collision in which the front of the vehicle “underrides”, or goes under, 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 (side and curtain shield airbags)**

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 [3300 lb.] vehicle colliding with the vehicle cabin from a direction perpendicular to the vehicle orientation at an approximate speed of 20 - 30 km/h [12 - 18 mph]).

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

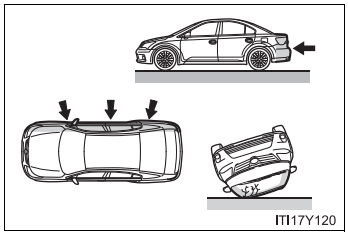
The SRS front airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.


ITN17Y002

- 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)**

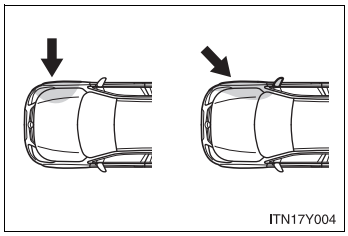
The SRS front airbags are generally not designed to inflate if the vehicle is involved in a side or rear collision, if it rolls over, or if it is involved in a low-speed frontal collision. But, whenever a collision of any type causes sufficient forward deceleration of the vehicle, deployment of the SRS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


ITI17Y120

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

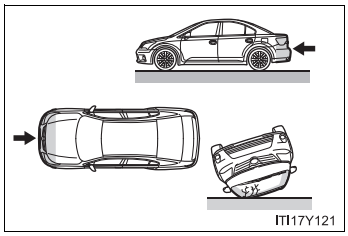
■ **Types of collisions that may not deploy the SRS airbag (side airbags and curtain shield airbags)**

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

The SRS side airbags and curtain shield airbags are generally not 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.

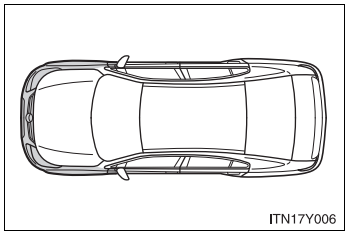


- Collision from the front
- Collision from the rear
- Vehicle rollover

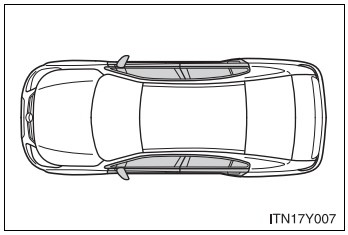
■ **When to contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional**

In the following cases, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, as soon as possible.

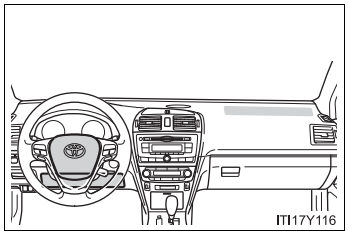
- Any of the SRS airbags have been inflated.



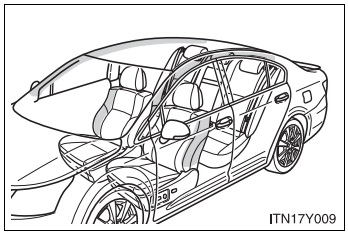
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS airbags to inflate.



- A portion of the doors 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, dashboard near the front passenger airbag or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.



- The surface of the seats with the side airbag is scratched, cracked or otherwise damaged.
- The portion of the front, center and rear pillar garnish, or roof interior containing the curtain shield airbags inside is scratched, cracked or otherwise damaged.

⚠ CAUTION

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

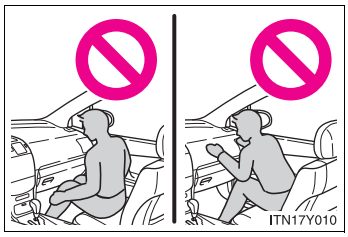
  • Move your seat to the rear as far as you can while still reaching the pedals comfortably.
  • Slightly recline the back of the seat.
    Although vehicle designs vary, many drivers can achieve the 250 mm (10 in.) distance, even with the driver seat all the way forward, simply by reclining the back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

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

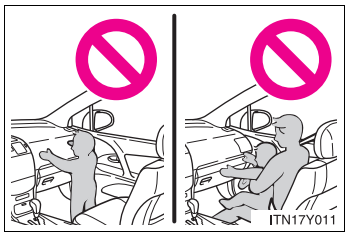
CAUTION

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. (→P. 160)



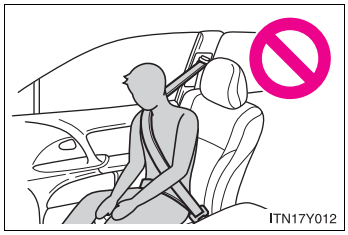
- Do not sit on the edge of the seat or lean against the dashboard.



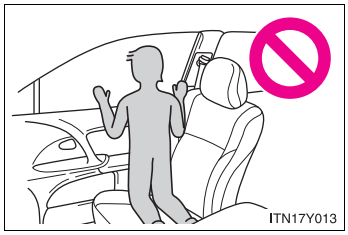
- Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger.
- Do not drive the vehicle while the driver or passenger has items resting on their knees.

CAUTION

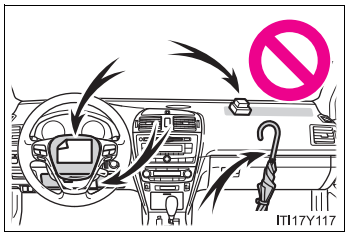
SRS airbag precautions



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



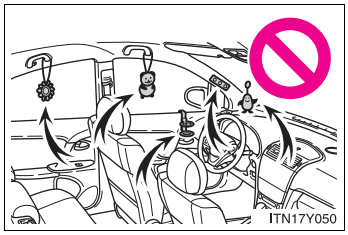
- Do not allow anyone to kneel on the passenger seats toward the door or put their head or hands outside the vehicle.



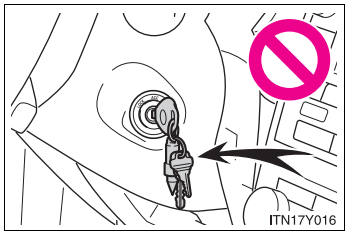
- Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad or lower portion of the instrument panel.
  These items can become projectiles when SRS driver, front passenger and knee airbags deploy.

CAUTION

SRS airbag precautions



- Do not attach anything to areas such as the door, windshield glass, side door glass, front, center and rear pillars, roof side rail or assist grip. (Vehicles with emergency tire puncture repair kit: Except for the speed limit label →P. 677)
- Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and seriously injure or kill you, should the SRS curtain shield airbag deploy.



- Vehicles without smart entry & start system: Do not attach any heavy, sharp or hard objects such as keys or accessories to the key. The objects may restrict the SRS knee airbag inflation or be thrust into the driver's seat area by the force of the deploying airbag, thus causing a danger.
- If the vinyl cover is put on the area where the SRS knee airbag will deploys, be sure to remove it.
- Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the airbags.
- Do not strike or apply significant levels of force to the area of the SRS airbag components shown on P. 149.
  Doing so can cause the SRS airbags to malfunction.

⚠ CAUTION

■ SRS airbag precautions

- Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- If breathing becomes difficult after the SRS airbag has deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation.
- If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillar garnishes, are damaged or cracked, have them replaced by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ Modification and disposal of SRS airbag system components

Do not dispose of your vehicle or perform any of the following modifications without consulting any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
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, center and rear pillars or roof side rail.
- Repairs or modifications of the front fender, front bumper, or side of the occupant compartment.
- Installation of snow plows, winches, etc. to the front grille (bull bars, kangaroo bar etc.).
- Modifications to the vehicle’s suspension system.
- Installation of electronic devices such as an RF-transmitter or CD players.

Child restraint systems

Toyota strongly urges the use of child restraint systems.

Points to remember

Studies have shown that installing a child restraint system 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. 169)
- 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)

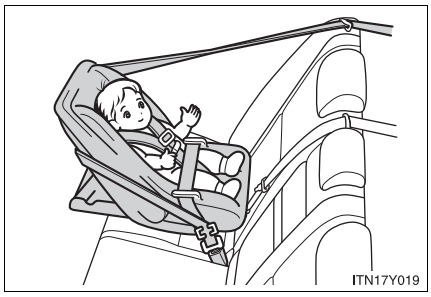
Group I: 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)

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)

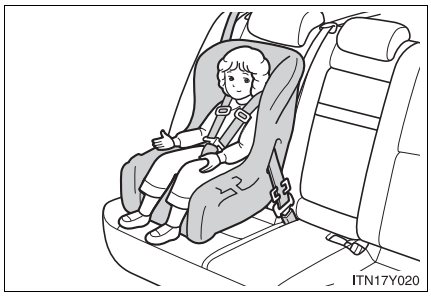
In this owner’s manual, the following popular 3 types of child restraint systems that can be secured with the seat belts are explained.

▶ Baby seat



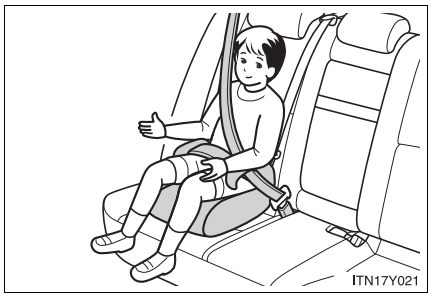
Equal to Group 0 and 0^+ of “ECE No.44”

▶ Child seat



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

▶ Junior seat



Equal to Group II and III of “ECE No.44”

Child restraint system suitability for various seating positions

Provided information in the table shows your child restraint system suitability for various seating positions.

Seating position / Mass groups	Front passenger seat		Rear seat	
	Airbag manual on-off switch			
	ON	OFF	Outside	Center
0 Up to 10 kg (22 lb.) (0 - 9 months)	X Never put	U*1	U	U
0+ Up to 13 kg (28 lb.) (0 - 2 years)	X Never put	U*1	U	U
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	Rear-facing — X Never put Forward-facing — UF*1	U*1	U	U
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)	UF*1	U*1	U	U

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.

*1: If the passenger seat height can be adjusted, it must be used at the upper most position.

The child restraint systems 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)

Provided information in the table shows your child restraint system suitability for various seating positions.

Mass groups	Size class	Fixture	Vehicle ISOFIX positions
			Rear outside
Carrycot	F	ISO/L1	X
	G	ISO/L2	X
		(1)	X
Group 0 Up to 10 kg (22 lb.) (0 - 9 months)	E	ISO/R1	IL1, IL2
		(1)	X
Group 0^+ Up to 13 kg (28 lb.) (0 - 2 years)	E	ISO/R1	IL1, IL2
	D	ISO/R2	IL1, IL2
	C	ISO/R3	IL1, IL2
		(1)	X
Group I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	D	ISO/R2	X
	C	ISO/R3	X
	B	ISO/F2	IUF, IL2
	B1	ISO/F2X	IUF, IL2
	A	ISO/F3	IUF, IL2
		(1)	X
Group II 15 to 25 kg (34 to 55 lb.)		(1)	X
Group III 22 to 36 kg (49 to 79 lb.)		(1)	X

(1) For the CRS 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.

IL1: Suitable for “TOYOTA MINI with TOYOTA ISOFIX BASE” (0 to 13 kg [0 to 26 lb.]) approved for the use in this mass group.

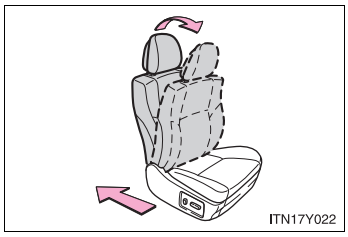
IL2: Suitable for “TOYOTA MIDI with TOYOTA ISOFIX BASE” (0 to 18 kg [0 to 39 lb.]) approved for the use in this mass group.

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

The child restraint systems 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 fully rearward position

■ **Selecting an appropriate child restraint system**

Get an appropriate child restraint system for the child. If a child is too large for a child restraint system, sit the child on a rear seat and use the vehicle's seat belt. (→P. 100)

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, resulting in serious injury or even death.

■ 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 when the airbag manual on-off switch is "ON". (→P. 180)
  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.

CAUTION

Child restraint precautions

- 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.
- 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 a sudden stop, sudden swerve or an accident.

When children are in the vehicle

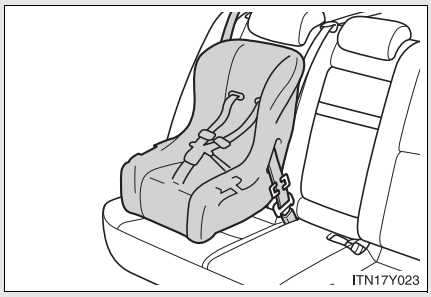
Do not allow children to play with the seat belt. If the seat belt becomes twisted around a child's neck, it may lead to choking or other serious injuries that could result in death.
If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.

When the child restraint system is not in use

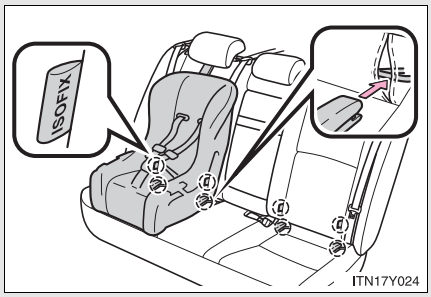
- Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the restraint unsecured in the passenger compartment.
- If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the trunk/luggage compartment. This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

Installing child restraints

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



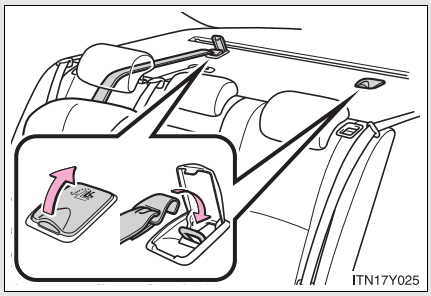
Seat belts (An ELR belt requires a locking clip.)



ISOFIX rigid anchor (ISOFIX child restraint system)

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

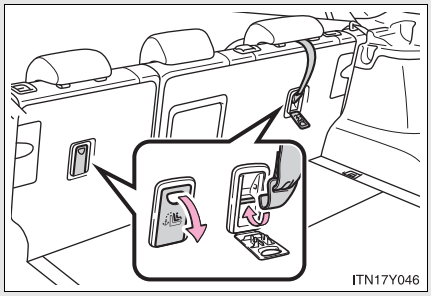
▶ Sedan



Anchor bracket (for top strap)

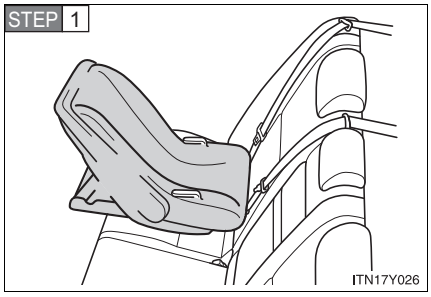
Anchor brackets are provided for outside rear seats.

▶ Wagon

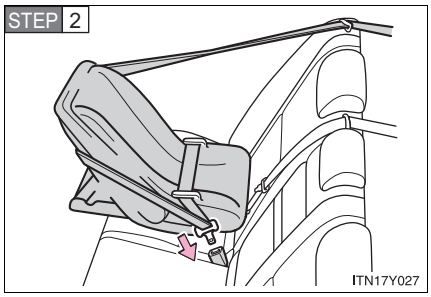


Installing child restraints using a seat belt

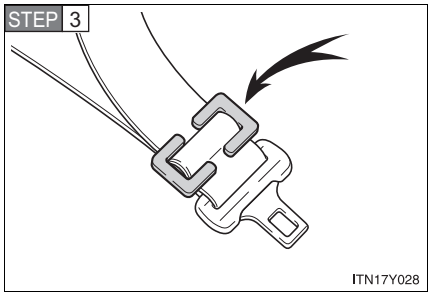
■ Rear-facing — Baby seat/child seat



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

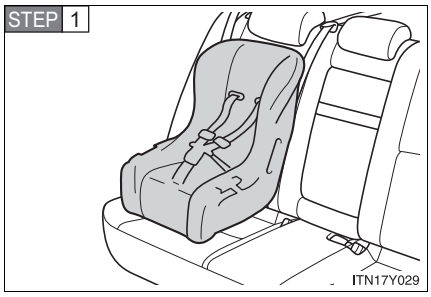


Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted. Keep the lap portion of the belt tight.

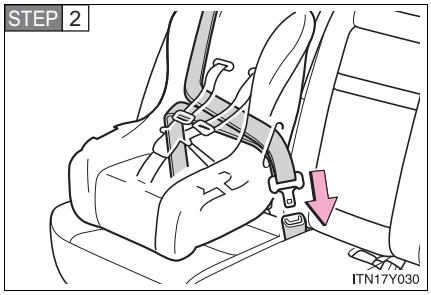


Install a locking clip near the tab of the lap and shoulder belt by inserting the lap and shoulder webbing through the recesses of the locking clip.

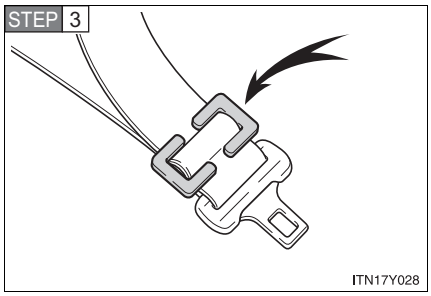
■ Forward-facing — Child seat



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

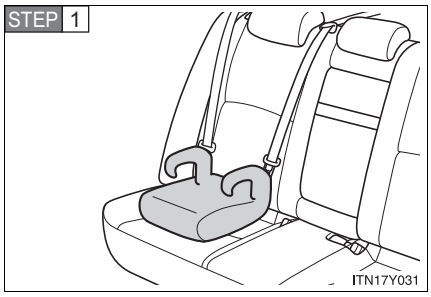


Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted. Keep the lap portion of the belt tight.

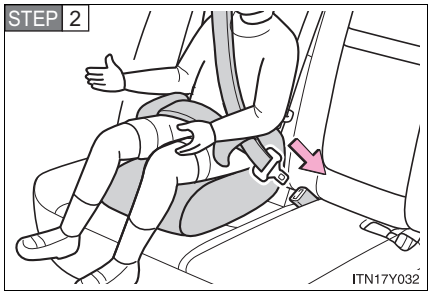


Install a locking clip near the tab of the lap and shoulder belt by inserting the lap and shoulder webbing through the recesses of the locking clip.

■ Junior seat



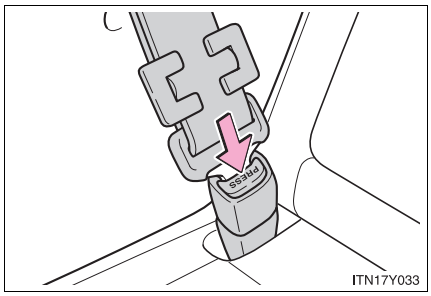
Place the child restraint system on the seat facing the front of the vehicle.



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

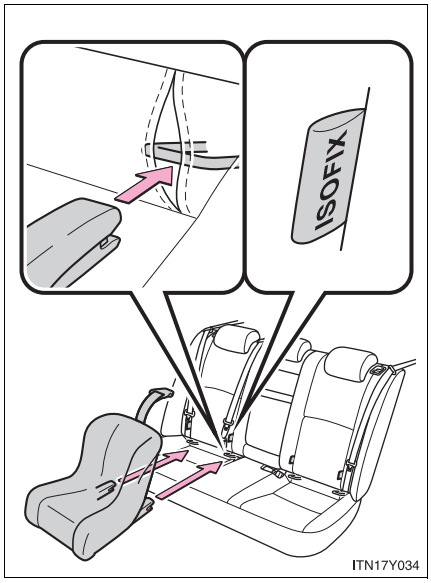
Check that the shoulder belt is correctly positioned over the child's shoulder, and that the lap belt is as low as possible.
(→P. 100)

Removing a child restraint system 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)

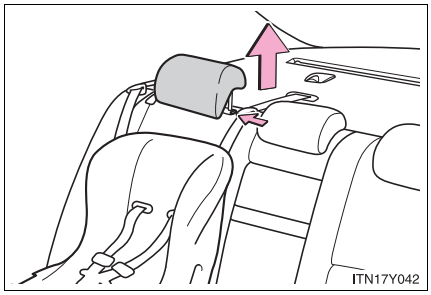


Check the positions of the exclusive fixing bars, and install the child restraint system to the seat.

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

Child restraint systems with a top strap

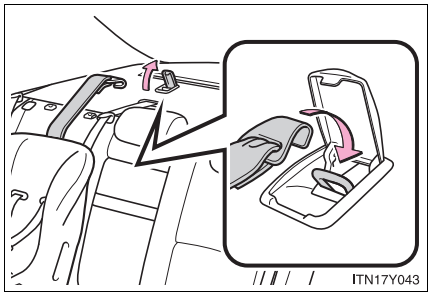
STEP 1 Secure the child restraint system using a seat belt or ISOFIX rigid anchors, and do the following.



Remove the head restraint. (→P. 98)

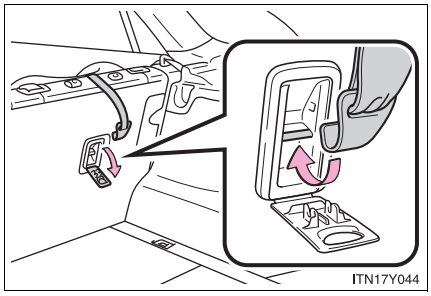
STEP 2 Open the anchor bracket cover, latch the hook onto the anchor bracket and tighten the top strap.

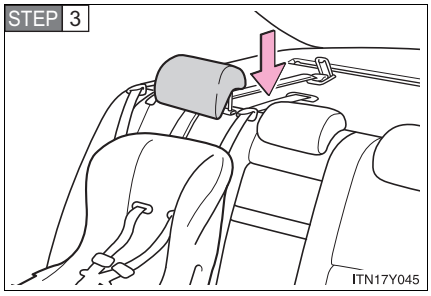
▶ Sedan



Make sure the top strap is securely latched.

▶ Wagon





Replace the head restraint to the upmost position.

■ **When installing a child restraint system in the front passenger's seat or rear seat**

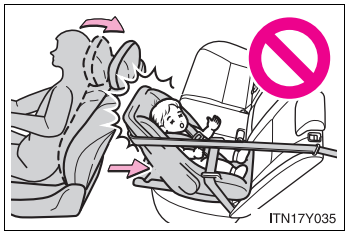
You need a locking clip to install the child restraint system. Follow the instructions provided by the manufacturer of the system. If your child restraint system does not provide a locking clip, you can purchase the following item from any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Locking clip for child restraint system
(Part No. 73119-22010)

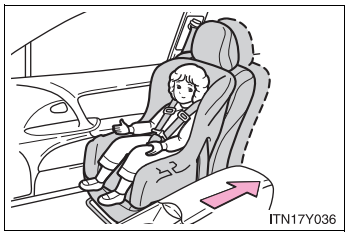
CAUTION

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.



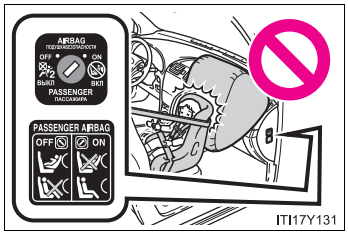
- If the driver's seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the right-hand rear seat (left-hand drive vehicles) or the left-hand rear seat (right-hand drive vehicles).



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

CAUTION

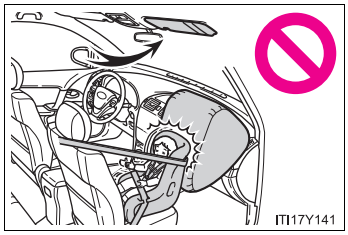
When installing a child restraint system



ITI17Y131

- Never use a rear-facing child restraint system on the front passenger seat when the airbag manual on-off switch is “ON”. (→P. 180)

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


ITI17Y141

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



ITI17I118a

CAUTION

When installing a child restraint system

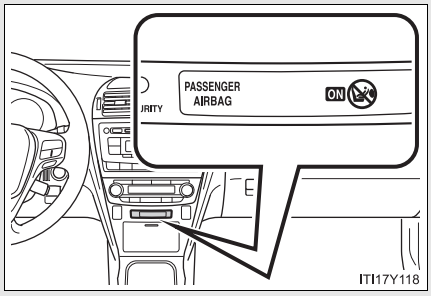
- When a junior seat is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder. Failing to do so may result in death or serious injury in the event of sudden braking, sudden swerving or an accident.
- Ensure that the belt and tab are securely locked and the seat belt is not twisted.
- Shake the child restraint left and right, and forward and back to ensure that it has been securely installed.
- 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 system. 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 a sudden stop, sudden swerve or accident.

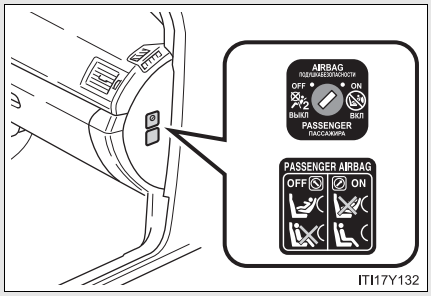
Airbag manual on-off system

This system deactivates the front passenger airbag.
Only deactivate the airbag when using a child restraint system on the front passenger seat.



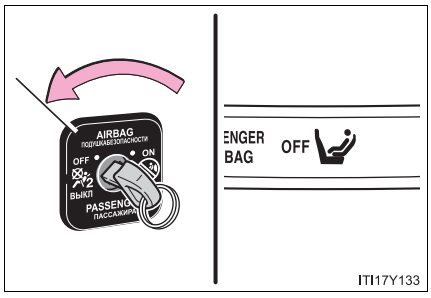
"PASSENGER AIRBAG" indicator

This indicator turns on when the airbag system is ON.



Airbag manual on-off switch

Deactivating the front passenger airbag



Insert the key into the cylinder and rotate to the "OFF" position.

The "OFF" indicator turns on.

■ **The indicator turns on when**

▶ Vehicles with smart entry & start system

Only when the “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

Only when the engine switch is in the “ON” position.

■ **“PASSENGER AIRBAG” indicator information**

If any of the following problems occurs, it is possible that there is a malfunction in the system. Have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

- Neither “ON” nor “OFF” comes on.
- The indicator does not change when the airbag manual on-off switch is switched to “ON” or “OFF” position.

⚠ CAUTION

■ **When installing a child restraint system**

For safety reasons, always install the child restraint system in a rear seat. In the event that the rear seat cannot be used, the front seat can be used as long as the airbag manual on-off system is set to “OFF”.
If the airbag manual on-off system is left “ON”, the strong impact of the airbag deployment (inflation) may cause serious injury or even death.

■ **When a child restraint system is not installed on the front passenger seat**

Ensure that the airbag manual on-off system is set to “ON”.
If it is left “OFF”, the airbag may not deploy in the event of an accident, which may result in serious injury or even death.

When driving 2

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Driving the vehicle

The following procedures should be observed to ensure safe driving.

■ Starting the engine (→P. 200, 205)

■ Driving

▶ Multidrive or automatic transmission

STEP 1 With the brake pedal depressed, shift the shift lever to “D” or “M”. (→P. 209, 215)

STEP 2 Release the parking brake. (→P. 227)

STEP 3 Gradually release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

▶ Manual transmission

STEP 1 With the clutch pedal fully depressed, shift the shift lever to “1”. (→P. 222)

STEP 2 Release the parking brake. (→P. 227)

STEP 3 Gradually release the clutch pedal. At the same time, gently depress the accelerator pedal to accelerate the vehicle.

■ Stopping

▶ Multidrive or automatic transmission

STEP 1 With the shift lever in “D” or “M”, 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”. (→P. 209, 215)

▶ Manual transmission

STEP 1 With the clutch pedal fully depressed, 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 “N”. (→P. 222)

■ **Parking the vehicle**

▶ Multidrive or automatic transmission

STEP 1 With the shift lever in “D” or “M”, depress the brake pedal.

STEP 2 Set the parking brake. (→P. 227)

STEP 3 Shift the shift lever to “P”. (→P. 209, 215)

When parking on a hill, if necessary, block the wheels.

STEP 4 Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch OFF and stop the engine.
Vehicles without smart entry & start system: Turn the engine switch to the “LOCK” position and stop the engine.

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

▶ Manual transmission

STEP 1 With the clutch pedal fully depressed, depress the brake pedal.

STEP 2 Set the parking brake. (→P. 227)

STEP 3 Shift the shift lever to “N”. (→P. 222)

When parking on a hill, shift the shift lever to “1” or “R”. If necessary, block the wheels.

STEP 4 Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch to OFF and stop the engine.
Vehicles without smart entry & start system: Turn the engine switch to the “LOCK” position and stop the engine.

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

Starting on a steep uphill

▶ Multidrive or automatic transmission

STEP 1 Firmly set the parking brake and shift the shift lever to “D” or “M”.

STEP 2 Gently depress the accelerator pedal.

STEP 3 Release the parking brake.

▶ Manual transmission

STEP 1 With the parking brake set and the clutch pedal fully depressed, shift the shift lever to “1”.

STEP 2 Lightly depress the accelerator pedal at the same time as gradually releasing the clutch pedal.

STEP 3 The parking brake will automatically release. (→P. 227)

■ Driving in the rain

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

■ Engine speed while driving (vehicles with Multidrive or automatic transmission)

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

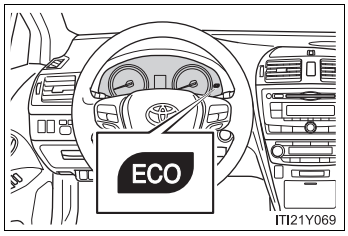
- The vehicle is judged to be driving uphill or downhill
- When the accelerator pedal is released
- When the brake pedal is depressed while sport mode is selected.

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 1000 km (600 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.

Eco Driving Indicator Light (if equipped)



During Eco-Friendly acceleration (Eco-driving), Eco Driving Indicator Light will turn on. When the acceleration exceeds Zone of Eco driving, and when the vehicle is stopped, the light turns off.

Eco Driving Indicator Light will not operate in the following conditions:

- The shift position is anything other than “D”
- The vehicle is being driven in “SPORT” mode (→P. 210, 216)
- If equipped, the paddle shift switch is operated while the shift position is “D”
- The vehicle speed is approximately 130 km/h (80 mph) or higher

■ **Idling time before engine stop (diesel engine)**

To prevent damage to the turbocharger, allow the engine to idle immediately after high-speed driving or hill climbing.

Driving condition		Idling time
Normal city driving		Not necessary
High-speed driving	Constant speed of approx. 80 km/h (50 mph)	Approximately 20 seconds
	Constant speed of approx. 100 km/h (62 mph)	Approximately 1 minute
Steep hill driving or continuous driving at 100 km/h (62 mph) or more (race track driving etc.)		Approximately 2 minutes

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

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 717)

■ **When driving up steep hills in high temperature conditions**

Engine output may be intentionally restrained on vehicles with the 2AD-FHV engine and automatic transmission to protect the engine and its components. Following may occur, but they do not indicate a malfunction:

- You may experience a drop in speed.
- Air conditioning system control may be changed.
  For example, the button to switch between outside air mode and recirculated air mode will be fixed in recirculated air mode.

CAUTION

■ **When starting the vehicle (vehicles with a Multidrive or automatic transmission)**

Always keep your foot on the brake pedal while stopped with the engine running. This prevents the vehicle from creeping.

■ **When driving the vehicle**

- Do not drive if you are unfamiliar with the location of the brake and accelerator pedals to avoid depressing the wrong pedal.
  - Accidentally depressing the accelerator pedal instead of the brake pedal will result in sudden acceleration that may lead to an accident that could result in death or serious injury.
  - When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
  - Make sure to keep a correct driving posture even when moving the vehicle only slightly, 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, resulting in an accident.
- Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. This may cause a fire if there is any flammable material nearby.
- Vehicles with a Multidrive or automatic transmission: 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 performance, resulting in an accident or damage to the vehicle.

CAUTION

- If the smell of exhaust is noticed inside the vehicle, open the windows and check that the trunk or back door is 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately.
- On vehicles with a Multidrive or automatic transmission, do not shift the shift lever to “P” while the vehicle is moving.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to “R” while the vehicle is moving forward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to “D” (vehicles with a Multidrive or automatic transmission) or “1” (vehicles with a manual transmission) 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: →P. 709

CAUTION

- Use engine braking (downshift) to maintain a safe speed when driving down a steep hill.
  Using the brakes continuously may cause the brakes to overheat and lose effectiveness. (→P. 210, 216)
- 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.
- 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 acceleration, engine braking due to shift changing, or changes in engine speed could cause the vehicle to skid, resulting in an accident.
- 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, resulting in an accident.

CAUTION

■ **When shifting the shift lever (vehicles with a Multidrive or automatic transmission)**

Be careful not to shift the shift lever with the accelerator pedal depressed. This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

■ **When the vehicle is stopped**

- Do not race the engine.
  If the vehicle is in any shift positions other than “P” (vehicles with a Multidrive or automatic transmission) or “N”, the vehicle may accelerate suddenly and unexpectedly, and may cause an accident.
- 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.
- Vehicles with a Multidrive or automatic transmission: In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while the engine is running, and apply the parking brake as necessary.
- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.
- Avoid revving or racing the engine.
  Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

⚠ CAUTION

■ 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 fracture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components.
- Always apply the parking brake, shift the shift lever to "P" (vehicles with a Multidrive or automatic transmission), stop the engine and lock the vehicle.
  Do not leave the vehicle unattended while the engine is running.
- 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.

CAUTION

■ **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 a 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. 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.

CAUTION

■ 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 power brake assist function does not operate, do not follow other vehicles closely and avoid downhills or sharp turns that require braking.
  In this case, braking is still possible, but it will require more force on the pedal than usual. Braking distance may also increase.
- Do not pump the brake pedal if the engine stalls.
  Each push on the pedal uses up the reserve for the power-assisted brakes.
- The brake system consists of 2 individual hydraulic systems: If one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and braking distance becomes longer.
  Do not drive your vehicle with only a single brake system. Have your brakes fixed immediately.

NOTICE

When driving the vehicle

- Do not depress the accelerator and brake pedals at the same time during driving, as this may restrain driving torque.
- Vehicles with a Multidrive or automatic transmission:
  Do not use the accelerator pedal or depress accelerator and brake pedals together to hold the vehicle on a hill.
- Vehicles with a manual transmission:
  Observe the following precautions to prevent damage to the clutch, transmission and gears.
  - Do not shift gears unless the clutch pedal is fully depressed. After shifting, do not release the clutch abruptly.
  - Do not rest your foot on the clutch pedal while driving.
  - Do not use any gears other than the first gear when starting off and moving forward.
  - Do not use the clutch to hold the vehicle when stopping on an uphill grade.
  - Do not shift into “R” when the vehicle is still moving.

When parking the vehicle (vehicles with a Multidrive or automatic transmission)

Always put the shift lever in “P”. Failure to do so may cause the vehicle to move or the vehicle may accelerate suddenly if the accelerator pedal is accidentally depressed.

NOTICE

■ **Avoiding 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 motor.
- When driving over bumps in the road, drive as slowly as possible to avoid damaging the wheels, underside of the vehicle, etc.
- Diesel engine only: Make sure to idle the engine immediately after high-speed driving or hill climbing. Stop the engine only after the turbocharger has cooled down.
  Failure to do so may cause damage to the turbocharger.

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

Have the brake pads checked and replaced by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, 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.

Information on what to do in case of a flat tire. (→P. 640, 654, 668)

NOTICE

When encountering flooded roads

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

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

In the event that you drive on a flooded road and the vehicle is flooded, be sure to have any authorized Toyota dealer or repairer, or another duly qualified and equipped professional check the following.

- Brake function
- Changes in quantity and quality of oil and fluid used for the engine, transmission etc.
- Lubricant condition for the bearings and suspension joints (where possible) and the function of all joints, bearings, etc.

Performing the following operations when carrying the electronic key on your person starts the engine or changes "ENGINE START STOP" modes.

■ **Starting the engine**

▶ Multidrive or automatic transmission

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.

The "ENGINE START STOP" switch indicator turns green.

STEP 4



Press the "ENGINE START STOP" switch.

The engine can be started from any "ENGINE START STOP" switch mode.

Continue depressing the brake pedal until the engine is completely started. The engine will crank until it starts or for up to 30 seconds, whichever is less.

Diesel engine only: indicator turns on. The engine begins starting after the indicator light goes out.

▶ Manual transmission

STEP 1 Check that the parking brake is set.

STEP 2 Check that the shift lever is set in “N”.

STEP 3 Sit in the driver’s seat and firmly depress the clutch pedal.

The “ENGINE START STOP” switch indicator turns green.

STEP 4



Press the “ENGINE START STOP” switch.

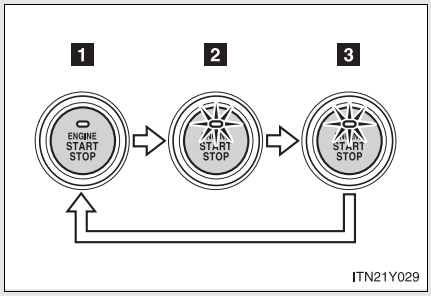
The engine can be started from any “ENGINE START STOP” switch mode.

Continue depressing the clutch pedal until the engine is completely started. The engine will crank until it starts or for up to 30 seconds, whichever is less.

Diesel engine only: indicator turns on. The engine begins starting after the indicator light goes out.

■ **Changing “ENGINE START STOP” switch mode**

Modes can be changed by pressing the “ENGINE START STOP” switch with the brake pedal (vehicles with a Multidrive or automatic transmission) or clutch pedal (vehicles with a manual transmission) released. (The mode changes each time the switch is pressed.)



1 OFF*

Emergency flashers can be used.

2 ACCESSORY mode

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

The “ENGINE START STOP” switch indicator turns amber.

3 IGNITION ON mode

All electrical components can be used.

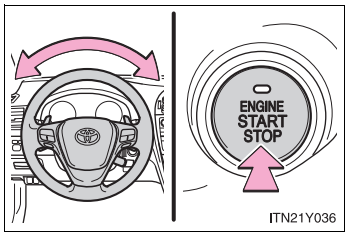
The “ENGINE START STOP” switch indicator turns amber.

*: For vehicles with a Multidrive or automatic transmission, if the shift lever is in a position other than “P” when turning off the engine, the “ENGINE START STOP” switch will be turned to ACCESSORY mode, not to OFF.

■ **If the engine does not start**

The engine immobilizer system may not have been deactivated. (→P. 127)

■ **When the steering lock cannot be released**



The green indicator light on the “ENGINE START STOP” switch will flash. To free it, press the “ENGINE START STOP” switch while turning the steering wheel slightly in either direction.

■ **When the “ENGINE START STOP” switch indicator flashes in amber**

The system may be malfunctioning. Have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, immediately.

■ **Auto power off function**

▶ Vehicles with a Multidrive or automatic transmission

If the vehicle is left in ACCESSORY mode for more than an hour with the shift lever in “P”, the “ENGINE START STOP” switch will automatically turn OFF.

▶ Vehicles with a manual transmission

If the vehicle is left in ACCESSORY mode for more than an hour, the “ENGINE START STOP” switch will automatically turn OFF.

■ **Electronic key battery depletion**

→P. 46

■ **When the electronic key battery is discharged**

→P. 694

■ **Conditions affecting operation**

→P. 44

■ **Note for the smart entry & start system**

→P. 47

⚠ 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.

■ **Stopping the engine in an emergency**

If you want to stop the engine in an emergency while driving the vehicle, press and hold the "ENGINE START STOP" switch for more than 2 seconds, or press it briefly 3 times or more in succession.
However, do not touch the "ENGINE START STOP" switch while driving except in an emergency. Turning the engine off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so.

⚠ NOTICE

■ **To prevent battery discharge**

Do not leave the "ENGINE START STOP" switch in ACCESSORY or IGNITION ON mode for long periods without the engine running.

■ **When starting the engine**

- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have the engine checked immediately.

■ **Starting the engine**

▶ Multidrive

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.

▶ Automatic transmission (diesel 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 “ON” position.

 indicator light turns on.

STEP 5 After  indicator light goes out, turn the engine switch to the “START” position and start the engine.

▶ Manual transmission (gasoline engine)

STEP 1 Check that the parking brake is set.

STEP 2 Check that the shift lever is set in “N”.

STEP 3 Sit in the driver’s seat and firmly depress the clutch pedal.

STEP 4 Turn the engine switch to the “START” position and start the engine.

▶ Manual transmission (diesel engine)

STEP 1 Check that the parking brake is set.

STEP 2 Check that the shift lever is set in “N”.

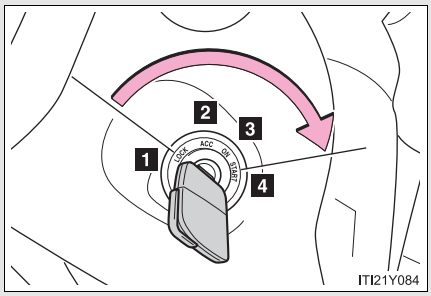
STEP 3 Sit in the driver’s seat and firmly depress the clutch pedal.

STEP 4 Turn the engine switch to the “ON” position.

indicator light turns on.

STEP 5 After indicator light goes out, turn the engine switch to the “START” position and start the engine.

■ **Engine (ignition) switch**



1 “LOCK”

The steering wheel is locked and the key can be removed. (Vehicles with a Multidrive or automatic transmission: 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.

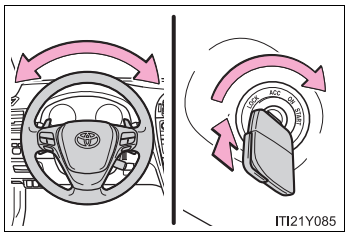
3 “ON”

All electrical components can be used.

4 “START”

For starting the engine.

■ **When the steering lock cannot be released**



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

■ **If the engine does not start**

The engine immobilizer system may not have been deactivated. (→P. 127)

■ **Key reminder function**

A buzzer sounds if the driver’s door is opened, while the key is in the engine switch to remind you to remove the key.

⚠ CAUTION

■ **When starting the engine**

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

■ **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.

NOTICE

To prevent battery discharge

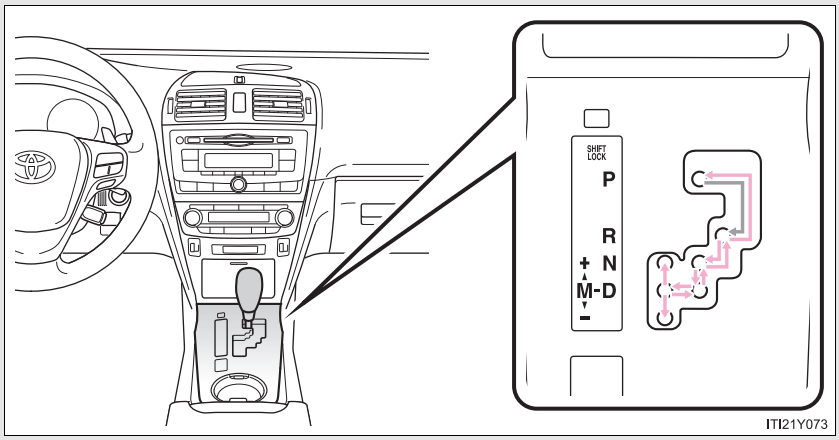
Do not leave the engine switch in the “ACC” or “ON” position for long periods if the engine is not running.

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 the cold engine.
- If the engine becomes difficult to start or stalls frequently, have the engine checked immediately.

Select a shift position appropriate for the driving conditions.

■ Shifting the shift lever



Vehicles with smart entry & start system:
While the “ENGINE START STOP” switch is in IGNITION ON mode, depress the brake pedal and move the shift lever.
Vehicles without smart entry & start system:
While the engine switch is in the “ON” position, depress the brake pedal and move the shift lever.

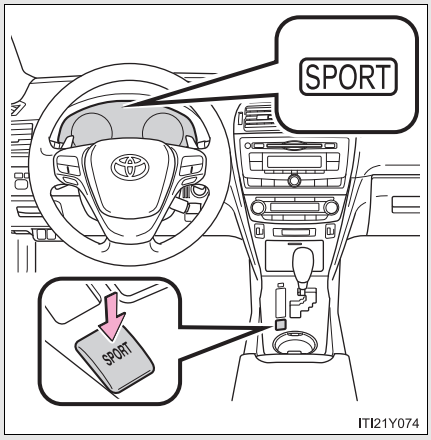
■ Selecting a shift position

Shift position	Function
P	Parking the vehicle or starting the engine
R	Reversing
N	Neutral
D	Normal driving*1 or temporary gear step selection driving*2
M	7-speed sport sequential shiftmatic mode driving (→P. 212)

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

*2: If equipped, by selecting gear step using paddle shift switches, you can control engine braking forces.

■ Selecting a driving mode



Press the switch.

For powerful acceleration and driving in mountainous regions.

Press the switch once more to return the normal mode.

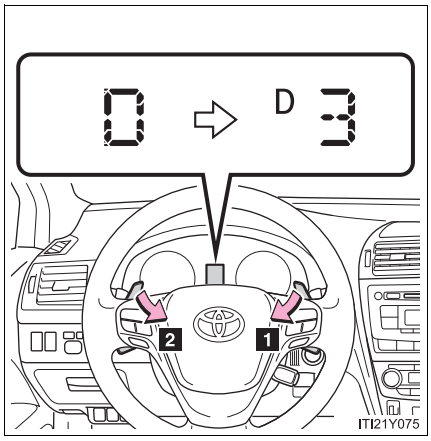
Driving in the “D” position

Shift lever

If the shift lever is shifted into the “D” position, the most appropriate gear ratio is automatically selected, as determined by the driving conditions.

Paddle shift switches (if equipped)

While the shift lever is in the “D” position, engine braking force can be temporarily switched to.



1 Upshifting

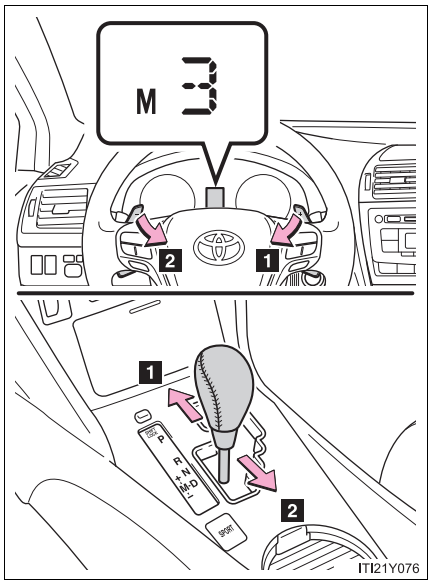
2 Downshifting

Unless the paddle shift switches are operated, the gear step displayed on the meter cluster is fixed.

However, even when in the “D” position, the gear steps will be automatically changed if the engine speed is too high, or too low.

Driving in the “M” position

By shifting the shift lever into the “M” position, 7 stages of gear step can be switched between.



1 Upshifting

2 Downshifting

Unless the shift lever or paddle shift switches (if equipped) are operated, the gear step displayed on the meter cluster is fixed.

However, even when in the “M” position, the gear steps will be automatically changed if the engine speed is too high, or too low.

■ **Paddle shift switch (if equipped)**

- When the paddle shift switch is operated in the “D” position, a gear step will be automatically selected according to the vehicle speed and driving conditions.
- Automatic deactivation of gear step selection in the “D” position
  Gear step selection in the “D” position will be deactivated in the following situations:
  - The “+” paddle shift switch is held down for a period of time
  - When the vehicle comes to a stop
  - If the accelerator pedal is depressed for longer than a certain period of time in one shift range

■ **Downshifting restrictions warning buzzer**

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

■ **When driving with cruise control activated**

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate because cruise control will not be canceled.

- While driving “D” or “M” mode, downshifting to “6”, “5” or “4”.
  (→P. 267)
- When switching the driving mode to sport mode while driving in “D” position. (→P. 210)

■ **Automatic deactivation of sport mode**

▶ Vehicles with smart entry & start system

If the “ENGINE START STOP” switch is turned OFF after driving in sport mode, the mode is automatically deactivated.

▶ Vehicles without smart entry & start system

If the engine switch is turned to the “LOCK” position after driving in sport mode, the mode is automatically deactivated.

■ **If the shift lever cannot be shifted from “P”**

→P. 684

■ **If the “M” indicator is not displayed after shifting the shift lever to the “M” position**

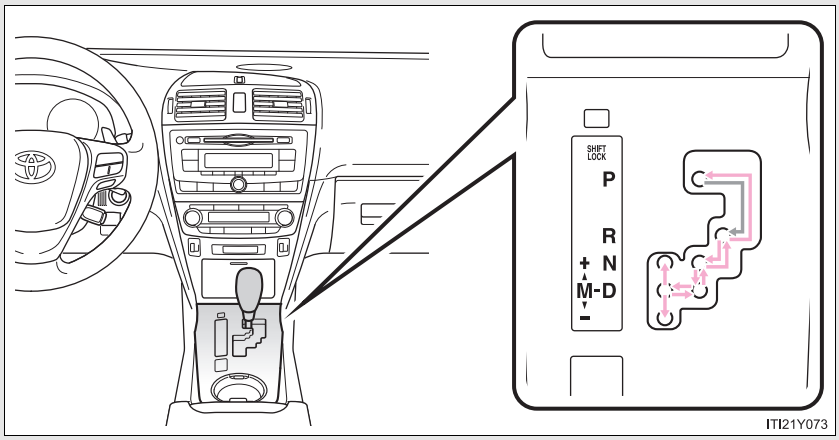
If the display does not change to “M” on an occasion other than that described above, it may indicate a malfunction in the transmission system. Have your vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately.

■ **Automatic gear step selection**

When the vehicle comes to a stop, the transmission will automatically down-shift to allow you to start off in 1st step.

Select a shift position appropriate for the driving conditions.

■ Shifting the shift lever



Vehicles with smart entry & start system:
While the “ENGINE START STOP” switch is in IGNITION ON mode, depress the brake pedal and move the shift lever.
Vehicles without smart entry & start system:
While the engine switch is in the “ON” position, depress the brake pedal and move the shift lever.

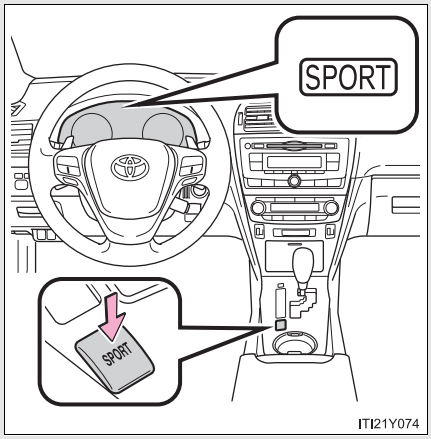
■ Selecting a shift position

Shift position	Function
P	Parking the vehicle or starting the engine
R	Reversing
N	Neutral
D	Normal driving*1 or temporary shift range selection driving*2
M	“M” mode driving (→P. 218)

*1: Shifting to the “D” position allows the system to select a gear suitable for the driving conditions.
Setting the shift lever to the “D” position is recommended for normal driving.

*2: If equipped, by selecting shift ranges using paddle shift switches, you can control engine braking forces.

■ Selecting a driving mode



Press the switch.

For powerful acceleration and driving in mountainous regions.

Press the switch once more to return the normal mode.

Driving in the “D” position

Shift lever

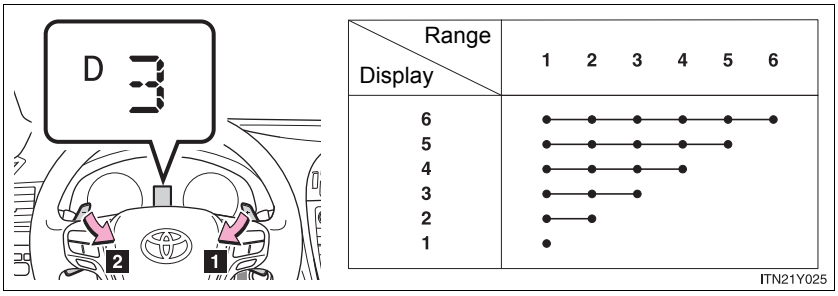
If the shift lever is shifted into the “D” position, a suitable gear is automatically selected, as determined by the driving conditions.

Paddle shift switches (if equipped)

While the shift lever is in the “D” position, engine braking force can be temporarily switched to.

By firstly operating the “-” paddle shift switch, the “-” and “+” switches can be used to freely switch the shift range.

Changing the shift range allows restriction of the highest gear, preventing unnecessary upshifting and enabling the level of engine braking force to be selected.



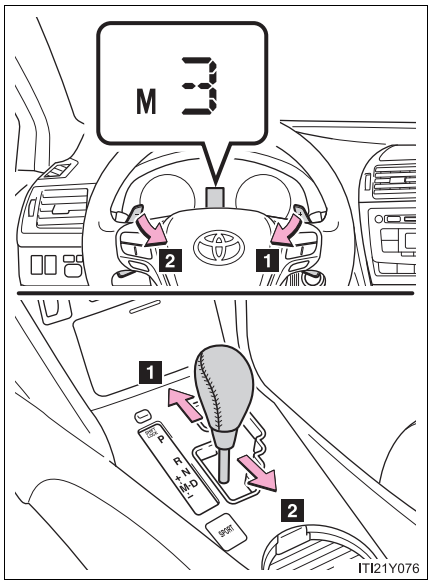
1 Higher shift range

2 Lower shift range

The gear is automatically shifted up or down between 1 and the selected shift range (displayed on the meter cluster).

Driving in the “M” position

By shifting the shift lever into the “M” position, 6 stages of gear can be switched between.



1 Upshifting

2 Downshifting

Unless the shift lever or paddle shift switches (if equipped) are operated, the gear displayed on the meter cluster is fixed.

However, even when in the “M” position, the gear will be automatically changed in the following situations:

- When the vehicle speed drops (downshift only)
- When the automatic transmission fluid temperature is extremely high (upshift only)

■ **Paddle shift switch (if equipped)**

- When the “-” paddle shift switch is operated in the “D” position, a shift range will be automatically selected. The highest gear of the first shift range will be one gear lower than the gear in use during normal “D” position driving.
- Automatic deactivation of shift range selection in the “D” position
  Shift range selection in the “D” position will be deactivated in the following situations:
  - The “+” paddle shift switch is held down for a period of time
  - When the vehicle comes to a stop
  - If the accelerator pedal is depressed for longer than a certain period of time in one shift range

■ **Downshifting restrictions warning buzzer**

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

■ **When driving with cruise control or radar cruise control activated**

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate because cruise control or radar cruise control will not be canceled.

- While driving “D” mode, downshifting to “5” or “4”. (→P. 267, 273)
- When switching the driving mode to sport mode while driving in “D” position. (→P. 216)

■ **Automatic deactivation of sport mode**

▶ Vehicles with smart entry & start system

If the “ENGINE START STOP” switch is turned OFF after driving in sport mode, the mode is automatically deactivated.

▶ Vehicles without smart entry & start system

If the engine switch is turned to the “LOCK” position after driving in sport mode, the mode is automatically deactivated.

■ **If the shift lever cannot be shifted from “P”**

→P. 684

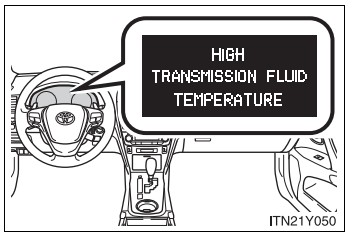
■ **If the “M” indicator is not displayed after shifting the shift lever to the “M” position**

- Vehicles with smart entry & start system: Within a few seconds of turning the “ENGINE START STOP” switch to IGNITION ON mode, the transmission will not go into “M” mode if the shift lever is moved to the “M” position.
  Vehicles without smart entry & start system: Within a few seconds of turning the engine switch to the “ON” position, the transmission will not go into “M” mode if the shift lever is moved to the “M” position.
  This is because a system check is being performed. In this case, wait a moment and then try moving the shift lever to the “M” position again.
- If the display does not change to “M” on an occasion other than that described above, it may indicate a malfunction in the transmission system. Have your vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately.

■ **Automatic gear selection**

When the vehicle comes to a stop, the transmission will automatically downshift to allow you to start off in 1st gear.

If the automatic transmission temperature warning message is displayed

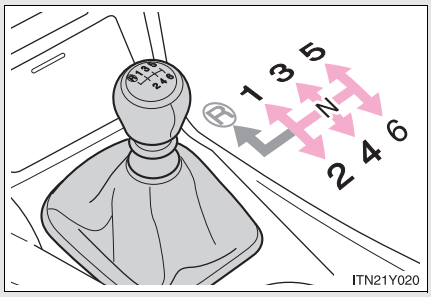


If the automatic transmission fluid temperature warning message is displayed while driving, make sure you return to normal “D” position driving and reduce speed by easing off the accelerator pedal. Stop the vehicle in a safe place, shift the shift lever to the “P” position and let the engine idle until the warning message is extinguished.
When the warning message is no longer shown, the vehicle can be driven again.
If the warning message is not extinguished even after a short time, have your vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

AI-SHIFT

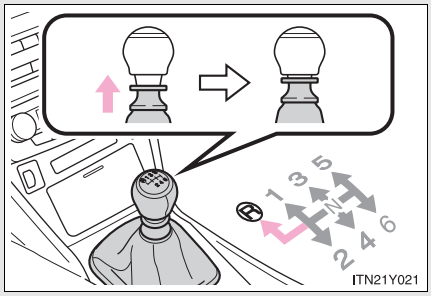
The AI-SHIFT automatically shifts the gear to the suitable position according to the driver performance and driving conditions.
The AI-SHIFT automatically operates when the shift lever is in the “D” position. (Shifting the shift lever to the “M” position cancels the function.)

■ Shifting the shift lever



Fully depress the clutch pedal before operating the shift lever, and then release it slowly.

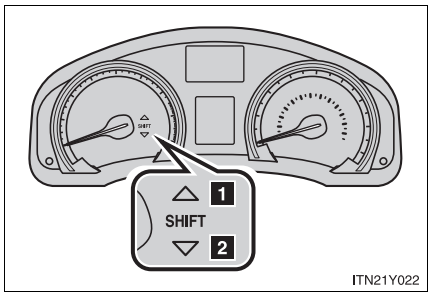
■ Shifting the shift lever to “R”



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

Gear Shift Indicator (if equipped)

The Gear Shift Indicator display is a guide to help the driver achieve improved fuel economy and reduced exhaust emissions within limits of engine performance.



1 Upshifting
2 Downshifting

Gear Shift Indicator display

The Gear Shift Indicator may not be displayed when your foot is placed on the clutch pedal.

■ **Maximum allowable speeds**

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

▶ Gasoline engine

km/h (mph)

Shift position	Maximum speed		
	1ZR-FAE engine	2ZR-FAE engine	3ZR-FAE engine
1	49 (30)	52 (32)	53 (33)
2	90 (56)	95 (59)	91 (57)
3	131 (81)	139 (86)	136 (85)
4	177 (110)	188 (117)	183 (114)
5	195 (121)	200 (124)	200 (124)

▶ Diesel engine

km/h (mph)

Shift position	Maximum speed		
	1AD-FTV engine	2AD-FTV engine	2AD-FHV engine
1	37 (23)	40 (25)	37 (23)
2	73 (45)	73 (45)	68 (42)
3	115 (71)	115 (71)	107 (67)
4	164 (102)	159 (99)	149 (92)
5	190 (118)	200 (124)	190 (118)

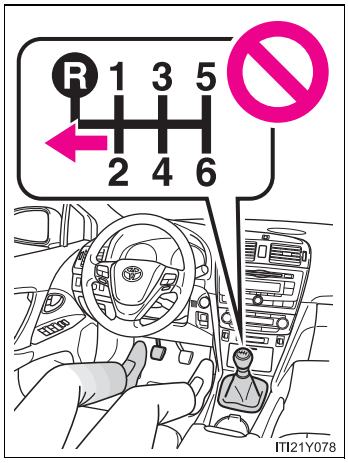
CAUTION

■ Gear Shift Indicator display

For safety, the driver should not look only at the display. Refer to the display when it is safe to do so while considering actual traffic and road conditions. Failure to do so may lead to an accident.

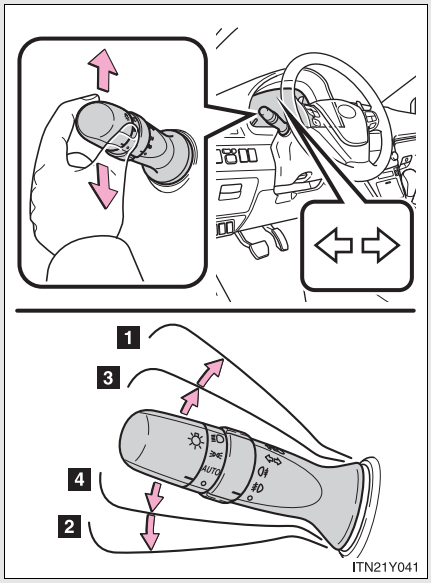
NOTICE

■ To prevent damage to the transmission



- Do not shift the shift lever to “R” without depressing the clutch pedal.
- Do not lift up the ring section except when shifting the lever to “R”.
- Shift the shift lever to “R” only when the vehicle is stationary.

Turn signal lever



1 Right turn

2 Left turn

3 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**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode.

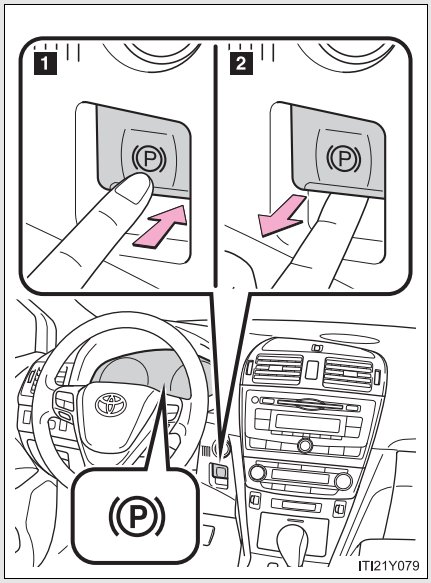
▶ Vehicles without smart entry & start system

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.

Parking brake



1 Press the switch to apply the parking brake

During application: The parking brake indicator light will flash

Once applied: The parking brake indicator light will on

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

2 Pull the switch to release

■ **Parking brake switch operation**

▶ Vehicles with smart entry & start system

Only when the “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

Only when the engine switch is in the “ON” position.

■ **Automatic release function (vehicles with a manual transmission)**

The parking brake is automatically released during starting the vehicle, thus making starting off easier.

■ **Automatic apply function (vehicles with a manual transmission)**

To prevent the parking brake from being left accidentally unapplied, the parking brake will be applied automatically under the following conditions:

- “ENGINE START STOP” switch is switched to ACCESSORY mode (vehicles with smart entry & start system), or the engine switch is switched to the “ACC” position (vehicles without smart entry & start system)
- The vehicle is stopped

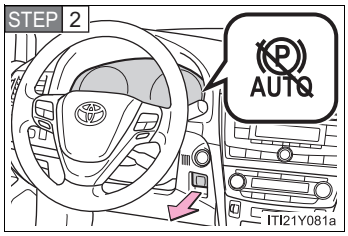
■ **Automatic apply mode (vehicles with a manual transmission)**

Automatic apply function (mode) is initially set to ON, but it can be switched between ON and OFF as the situation demands.

- Switching automatic apply mode from ON to OFF:

STEP 1 Stop the vehicle in a horizontal condition and switch the “ENGINE START STOP” switch to IGNITION ON mode (vehicles with smart entry & start system), or switch the engine switch to the “ON” position (vehicles without smart entry and start system)

STEP 2



Pull and hold the parking brake switch for 5 seconds or more

The Auto P-off indicator light will illuminate.

● Switching automatic apply mode from OFF to ON:

STEP 1 Stop the vehicle in a horizontal condition and switch the “ENGINE START STOP” switch to IGNITION ON mode (vehicles with smart entry & start system), or switch the engine switch to the “ON” position (vehicles without smart entry and start system).

STEP 2 Push and hold the parking brake switch for 5 seconds or more
The Auto P-off indicator light will go off.

● Temporary cancelation of the automatic apply function is available for specific circumstances (car wash, towing vehicle, etc.).
To temporarily cancel the automatic apply function of the parking brake, pull the parking brake switch at the same time as you are switching off the vehicle.
When switch is being pulled for 5 seconds or more, automatic apply mode changes from ON to OFF.

■ **Parking brake operation sound**

When the parking brake operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ **When the system is overheating**

The system may become temporarily unavailable in order to prevent overheating caused by repeated unnecessary switch operation.
In this event, leaving the system to cool down for a short time will allow normal operation to resume.

■ **When there is a malfunction in the system**

Warning light will turn on or flash. (→P. 609)

■ **Usage in winter time**

→P. 336

CAUTION

When leaving the vehicle

Make sure that the parking brake indicator light is illuminated. If the parking brake is not applied, the vehicle could move, possibly leading to an accident.

NOTICE

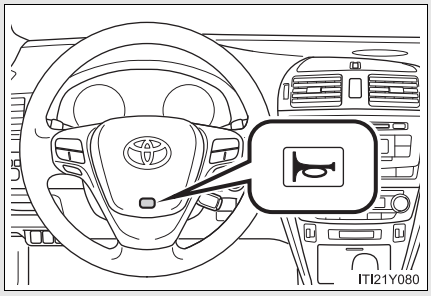
When parking the vehicle

Before you leave the vehicle, set the parking brake, shift the shift lever to “P” (Multidrive or automatic transmission) or “1” or “R” (manual transmission) and make sure that the vehicle does not move.

When the parking brake cannot be released due to a malfunction

Use the parking brake release tool to manually release the parking brake. (→P. 685)
Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear.

Horn



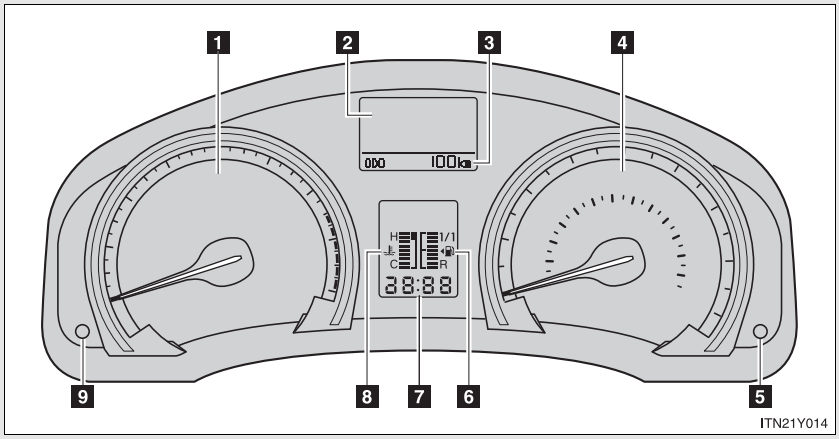
To sound the horn, press on or close to the mark.

■ **After adjusting the steering wheel (vehicles with manual tilt and telescopic steering)**

Make sure that the steering wheel is securely locked.

The horn may not sound if the steering wheel is not securely locked.

Gauges and meters



▶ Vehicles with smart entry & start system

The following gauges, meters and displays illuminate when the “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

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 Multi-information display

Presents the driver with a variety of driving related data. (→P. 239)

3 Odometer and 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.

4 Speedometer

Displays the vehicle speed.

5 “DISP.”/instrument panel light control button

Press: Switches the multi-information display.

Turn: To adjust the brightness of the instrument panel light. (→P. 234)

6 Fuel gauge

Displays the quantity of fuel remaining in the tank.

7 Clock

Displays the time.

8 Engine coolant temperature gauge

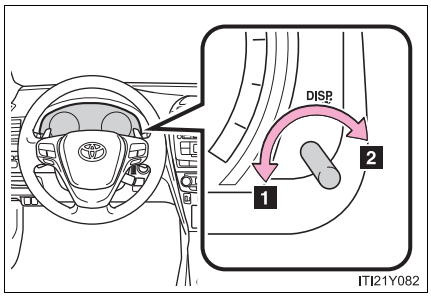
Displays the engine coolant temperature.

9 Odometer/trip meter and trip meter reset 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.

Instrument panel light control

The brightness of the instrument panel light can be adjusted when the headlight switch is on.



1 Darker
2 Brighter

Tail cancel feature

When turning the instrument panel light control button all the way clockwise (brighter), the brightness will become suddenly very bright.
Use this feature when driving during daytime with your headlights on, it will improve visibility of the instrument panel.

NOTICE

To prevent damage to the engine and its components

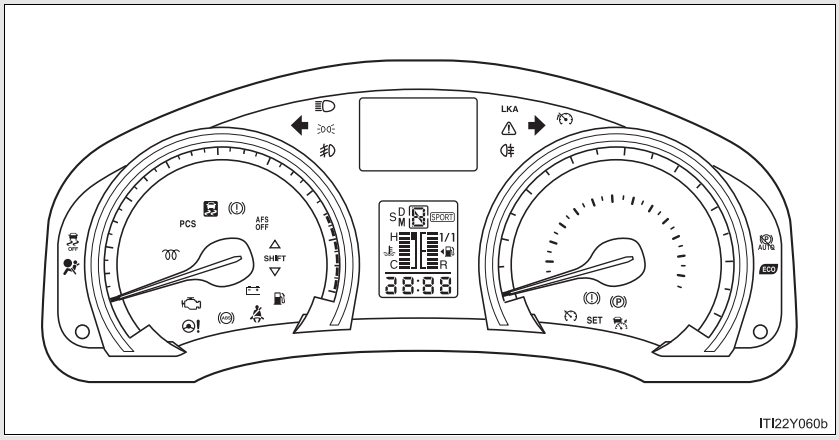
- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone (“H”). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P. 702)

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.

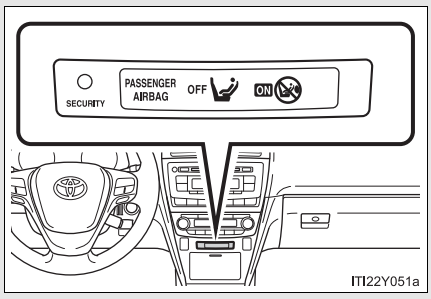
For the purpose of explanation, the following illustration displays all indicators and warning lights illuminated.

▶ Instrument cluster



The units used on the speedometer, tachometer and some indicators may differ depending on the engine, transmission, etc.

▶ Center panel



Indicators

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


Turn signal indicator (→P. 226)


Headlight high beam indicator (→P. 253)


Tail light indicator (→P. 252)


(If equipped)
Front fog light indicator (→P. 259)


Rear fog light indicator (→P. 259)


*1, 2
Slip indicator (→P. 320)



*1, 3
VSC OFF indicator (→P. 320)


(Diesel engine)
Engine preheating indicator (→P. 200, 205)



Security indicator (→P. 127, 138)


(If equipped)
Cruise control indicator (→P. 267)



(If equipped)
"SET" indicator (→P. 267, 273)


(If equipped)
Speed limiter indicator (→P. 292)


(If equipped)
Dynamic radar cruise control indicator (→P. 273)



(If equipped)
"LKA" indicator (→P. 310)



*1, 3
(If equipped)
"AFS OFF" indicator (→P. 253)



*1
(If equipped)
Eco Driving Indicator Light (→P. 188)

*1

(If equipped)
Auto P-off indicator (→P. 228)

*4

(If equipped)
“SPORT” indicator (→P. 210, 216)

*4

(If equipped)
Shift position indicator (→P. 212, 218)


Parking brake indicator (→P. 227)

*1, 5

(If equipped)
Gear Shift Indicator (→P. 223)

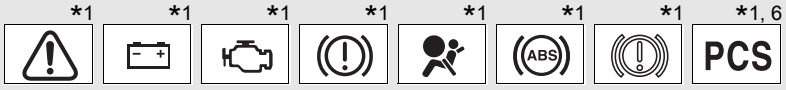

“PASSENGER AIRBAG” indicator (→P. 180)

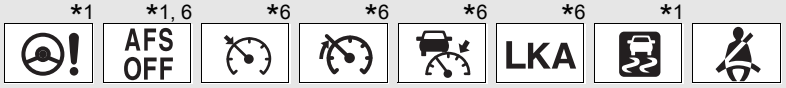
*1, 2, 3

(If equipped)
“PCS” warning (→P. 325)

■ Warning lights

Warning lights inform the driver of malfunctions in any of the vehicle’s systems. (→P. 609)







*1: These lights turn on when the “ENGINE START STOP” switch is turned to IGNITION ON mode (vehicles with smart entry & start system) or the engine switch is turned to the “ON” position (vehicles without smart entry & start system) to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not turn on, or if the lights do not turn off. Have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional for details.

*2: The light flashes quickly to indicate that the system is operating.

*3: The light turns on when the system is turned off.

*4: Vehicles with a Multidrive or automatic transmission

*5: Vehicles with a manual transmission

*6: The light flashes to indicate a malfunction.

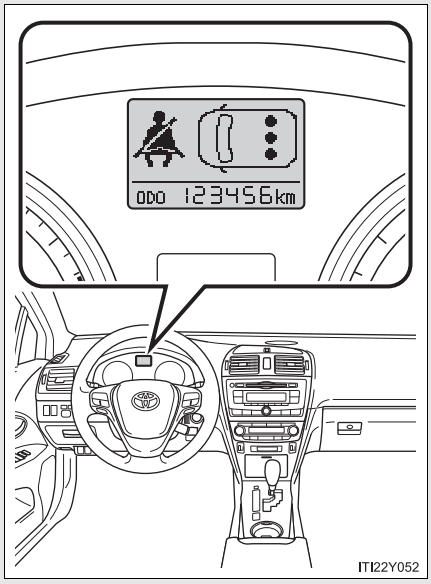
CAUTION

■ 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately if this occurs.

Multi-information display

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



- Trip information (→P. 241)

  Displays driving range, fuel consumption and other cruising-related information.

- Date (→P. 241)

  Indicates the date and sets it.

- Outside temperature display (→P. 241)

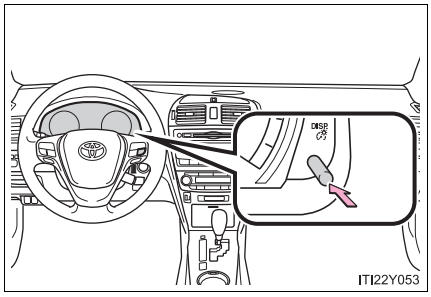
  Indicates the outside temperature.

- Warning messages (→P. 616)

  Automatically displayed when a malfunction occurs in one of the vehicle's systems.

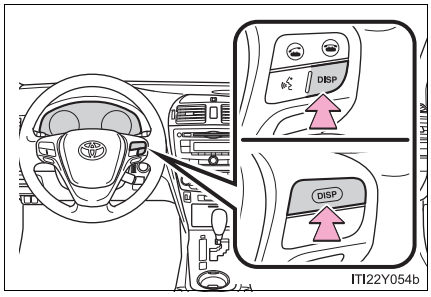
Switch the display

▶ “DISP.” button



Display items can be switched by pressing the “DISP.” button.

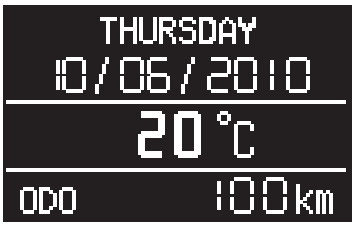
▶ “DISP” switch



Vehicles with audio system including “touch screen”: Display items can be switched by pressing the “DISP” switch.

Trip information

- Date and outside temperature display

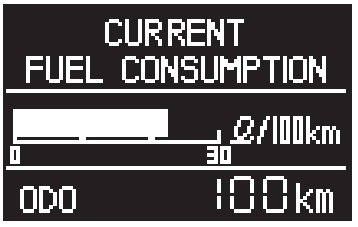


ITN22Y026

Displays the date and outside temperature.

The temperature range that can be displayed is from -40°C (-40°F) to 50°C (122°F).

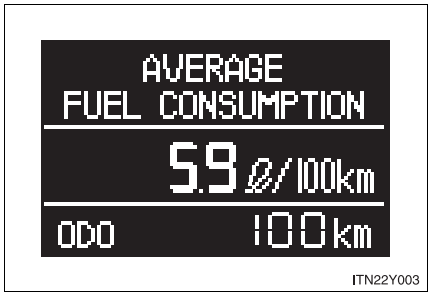
- Instantaneous fuel consumption



ITN22Y002

Displays the instantaneous fuel consumption.

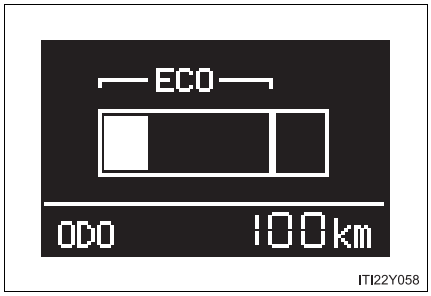
- Average fuel consumption



Displays the average fuel consumption since the function was last reset.

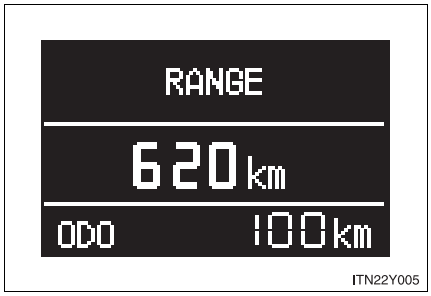
- The function can be reset by pressing the “DISP.” button or “DISP” switch for longer than 1 second when the average fuel consumption is displayed.
- Use the displayed average fuel consumption as a reference.

- Eco Driving Indicator Zone Display (if equipped)



The ratio of the current acceleration to the Zone of Eco driving is displayed.

● Driving range



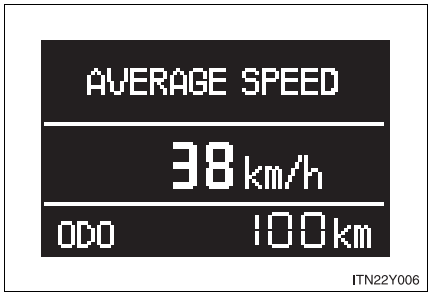
Displays the estimated maximum distance that can be driven with the quantity of fuel remaining.

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

  When refueling, turn the “ENGINE START STOP” switch off (vehicles with smart entry & start system) or the engine switch to the “LOCK” position (vehicles without smart entry & start system).

  If the vehicle is refueled without turning the “ENGINE START STOP” switch off or the engine switch to the “LOCK” position, the display may not be updated.

- Average vehicle speed

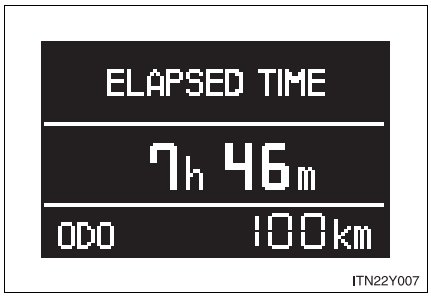


ITN22Y006

Displays the average vehicle speed since the function was last reset.

The function can be reset by pressing the “DISP.” button or “DISP” switch for longer than 1 second when the average vehicle speed is displayed.

- Elapsed time

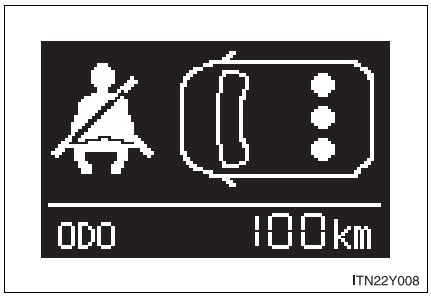


ITN22Y007

Displays the elapsed time since the function was last reset.

The function can be reset by pressing the “DISP.” button or “DISP” switch for longer than 1 second when the elapsed time is displayed.

- Rear passengers seat belt reminder display



ITN22Y008

The seat belt status of the rear seat passenger is displayed.

White circles are displayed if seat belts are not being worn; they will disappear once the seat belt is applied.

Set up display

■ Before setting

STEP 1 Display the settings screen on the multi-information display when the vehicle is stopped.

STEP 2

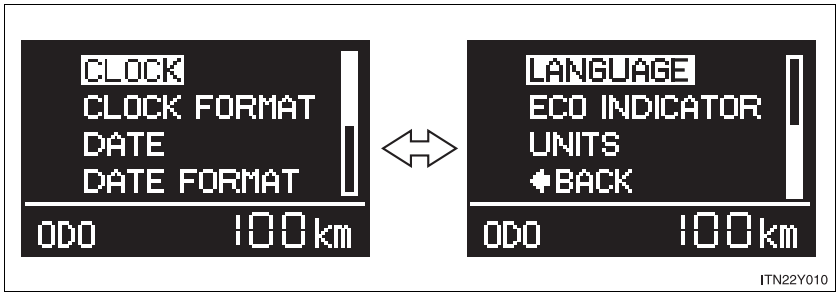


ITN22Y009

Press and hold the “DISP.” button or “DISP” switch to enter the adjustment mode.

STEP 3 Select the desired item on the menu screen.

Press and hold the “DISP.” button or “DISP” switch to enter the adjustment mode.

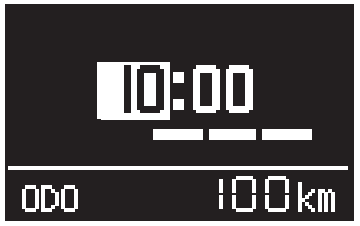


ITN22Y010

■ Setting the clock

STEP 1 Select “CLOCK” on the menu screen.

STEP 2

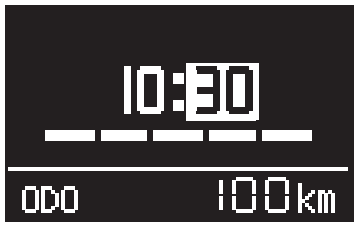


ITN22Y011

Press the “DISP.” button or “DISP” switch to adjust the hours.

After setting the hours, wait for 5 seconds until the bar disappears, and confirm that the hour has been input.

STEP 3



ITN22Y012

Press the “DISP.” button or “DISP” switch to adjust the minutes.

After setting the minutes, wait for 5 seconds until the bar disappears, and confirm that the minutes has been input.

■ Setting the clock format

STEP 1 Select “CLOCK FORMAT” on the menu screen.

STEP 2



ITN22Y013

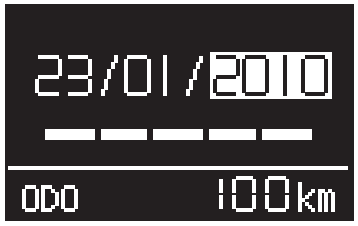
Select the desired clock format.

Press and hold the “DISP.” button or “DISP” switch to input the choice.

■ Setting the date

STEP 1 Select “DATE” on the menu screen.

STEP 2

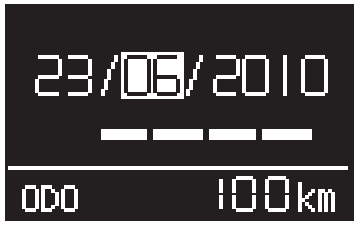


ITN22Y023

Press the “DISP.” button or “DISP” switch to adjust the year.

After setting the year, wait for 5 seconds until the bar disappears, and confirm that the year has been input.

STEP 3

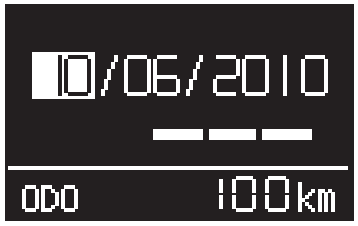


ITN22Y024

Press the “DISP.” button or “DISP” switch to adjust the month.

After setting the month, wait for 5 seconds until the bar disappears, and confirm that the month has been input.

STEP 4



ITN22Y025

Press the “DISP.” button or “DISP” switch to adjust the day.

After setting the day, wait for 5 seconds until the bar disappears, and confirm that the day has been input.

■ Setting the date format

STEP 1 Select “DATE FORMAT” on the menu screen.

STEP 2



ITN22Y017

Select the desired date format.

Press and hold the “DISP.” button or “DISP” switch to input the choice.

■ Selecting the language

STEP 1 Select “LANGUAGE” on the menu screen.

STEP 2



ITN22Y018

Select the desired language.

Press and hold the “DISP.” button or “DISP” switch to input the choice.

■ Setting Eco Driving Indicator Light

STEP 1 Select “ECO INDICATOR” on the menu screen.

STEP 2



ITN22Y019

Select the desired setting.

Press and hold the “DISP.” button or “DISP” switch to input the choice.

This setting does not turn Eco Driving Indicator Zone Display on/off.

■ Selecting the units

STEP 1 Select “UNITS” on the menu screen.

STEP 2



ITN22Y020

Select the desired unit.

Press and hold the “DISP.” button or “DISP” switch to input the choice.

■ Returning the previous screen

Select “←BACK” on the screen.

Press and hold the “DISP.” button or “DISP” switch to input the choice.

■ **Eco Driving Indicator Zone Display (if equipped)**

The Eco-friendly acceleration operation (Eco-friendly driving) range is displayed along with the current amount of acceleration. If the accelerator pedal is depressed down too far and Zone of Eco driving is exceeded, the right-hand side of the bar-graph will begin to flash.

Also, it will not be operated if the following conditions are met while driving:

- The shift position is anything other than “D”
- The vehicle is being driven in “SPORT” mode
- If equipped, the paddle shift switch is operated while the shift position is “D”
- The vehicle speed is approximately 130 km/h (80 mph) or higher.

■ **Rear seat belt reminder buzzer**

The rear seat belts reminder sounds to alert the rear passenger that his/her seat belt is not fastened. The buzzer sounds 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.

■ **Outside temperature display**

- In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change.
  - When stopped, or driving at low speeds (less than 20 km/h [12 mph])
  - When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)
- When “--” is displayed, the system may be malfunctioning.
  Take your vehicle to any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **Customization that can be configured at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional**

Settings (on/off operation of Eco Driving Indicator Zone Display) can be changed. (→P. 744)

■ **Liquid crystal display**

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

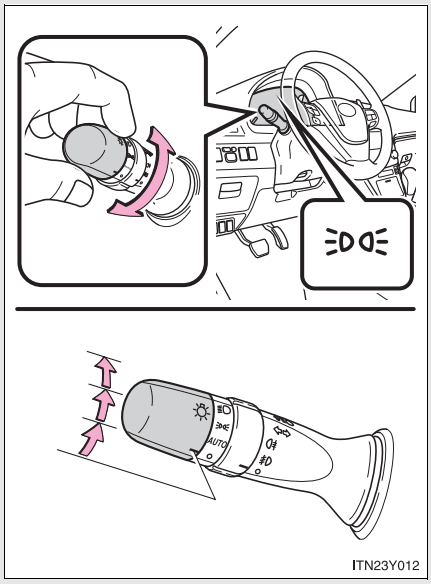
⚠ NOTICE

■ **The multi-information display at low temperatures**

Allow the interior of the vehicle to warm up before using the liquid crystal information display. At extremely low temperatures, the information display monitor may respond slowly, and display changes may be delayed.

Headlight switch

The headlights can be operated manually or automatically.

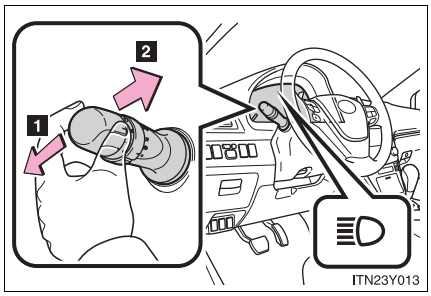


The front position, tail, license plate and instrument panel lights turn on.

The headlights and all lights listed above turn on.

AUTO (If equipped) The headlights and all lights listed above turn on and off automatically.
(Vehicles with smart entry & start system: When the “ENGINE START STOP” switch is in IGNITION ON mode
Vehicles without smart entry & start system: When the engine switch is in the “ON” position)

Turning on the high beam headlights



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

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

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

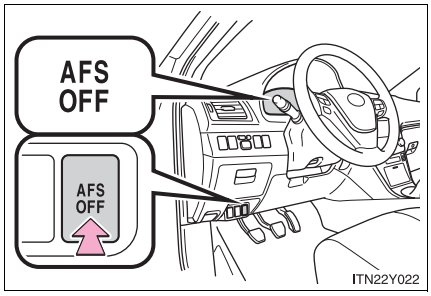
Release the lever to turn them off. You can flash the high beams with the headlights on or off.

AFS (vehicles with discharge headlights)

AFS (Adaptive Front-lighting System) improves visibility at intersections and or curves by automatically adjusting the level of the headlights according to vehicle speed and the degree of the tire angle that are controlled by steering input.

Operates at speed of 10 km/h (6 mph) or higher.

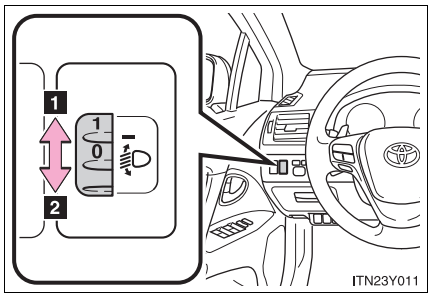
■ Deactivating AFS



Press the switch to deactivate the AFS.

Manual headlight leveling dial (vehicles with halogen headlights)

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



1 Raises the level of the headlights

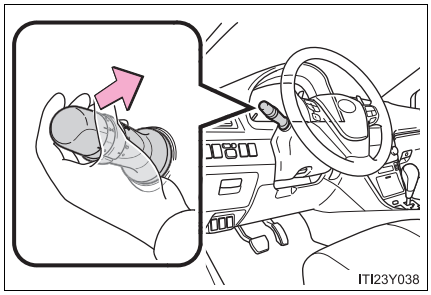
2 Lowers the level of the headlights

Guide to dial settings

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
Driver	None	0
Driver and front passenger	None	0
All seats occupied	None	1.5
All seats occupied	Full luggage loading	3
Driver	Full luggage loading	4

Follow me home system (if equipped)

This system allows the headlights to be turned on for 30 seconds when the engine switch is turned to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system).



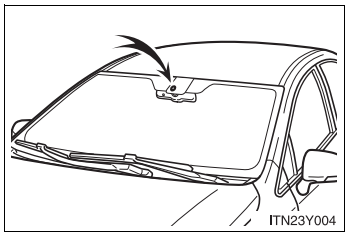
After turning the engine switch to the “LOCK” position (vehicles without a smart entry & start system) or off (vehicles with a smart entry & start system), pull the lever toward you and release it when the light switch is in AUTO or ○ .

Pull the lever toward you and release it again to turn off the lights.

■ **Daytime running light system**

To make your vehicle more visible to other drivers, the daytime running lights turn on automatically (at a reduced intensity) whenever the engine is started and the parking brake is released. Daytime running lights are not designed for use at night.

■ **Headlight control sensor (if equipped)**



The sensor may not function properly if anything that blocks the sensor is affixed to the windshield.

Doing so interferes with the sensor detecting the level of ambient light and may cause the automatic headlight system to malfunction.

■ **Automatic light off system**

▶ Vehicles with smart entry & start system

- When the light switch is in the “AUTO” position, the headlight and all the lights turn off automatically if the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned OFF.
- When the light switch is in the position, the front fog lights turn off automatically if the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned OFF.
- When the light switch is in the position, the headlights and front fog lights turn off automatically if the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned OFF.
  The front position and tail lights turn off automatically after 20 minutes.

To turn the lights on again, turn to IGNITION ON mode, or turn the light switch OFF once and then back to the or position.

▶ Vehicles without smart entry & start system

- When the light switch is in the “AUTO” position, the headlight and all the lights turn off automatically if the engine switch is turned to the “ACC” or “LOCK” position.
- When the light switch is in the position, the front fog lights turn off automatically if the engine switch is turned to the “ACC” or “LOCK” position.
- When the light switch is in the position, the headlights and front fog lights turn off automatically if the engine switch is turned to “ACC” or “LOCK” position.
  The front position and tail lights turn off automatically after 20 minutes.

To turn the lights on again, turn to the “ON” position, or turn the light switch OFF once and then back to the or position.

■ **Light reminder buzzer**

▶ Vehicles with smart entry & start system

A buzzer sounds when the “ENGINE START STOP” switch is turned OFF or to ACCESSORY mode and the driver’s door is opened while the lights are turned on.

▶ Vehicles without smart entry & start system

A buzzer sounds when the engine switch is turned to the “LOCK” or “ACC” position and the driver’s door is opened while the lights are turned on.

■ **Automatic headlight leveling system (vehicles with discharge headlights)**

The level of the headlights is automatically adjusted according to the number of passengers and the loading condition of the vehicle to ensure that the headlights do not interfere with other road users.

■ **If the AFS OFF indicator flashes...**

It may indicate a malfunction in the system. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **Customization that can be configured at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional**

Settings of the light sensor sensitivity can be changed.
(Customizable features →P. 743)

⚠ NOTICE

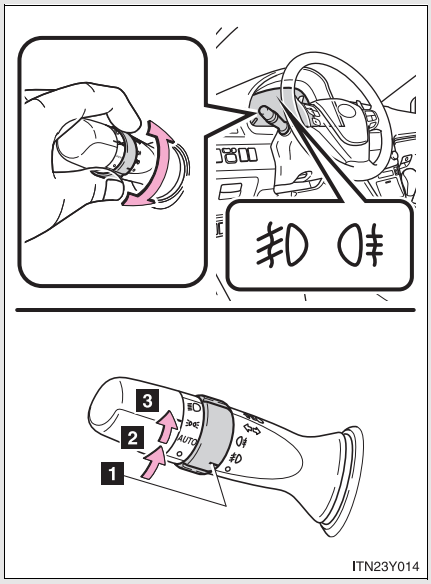
■ **To prevent battery discharge**

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

Fog light switch

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

▶ Vehicles with front fog lights



1 Off

2 Front fog lights on

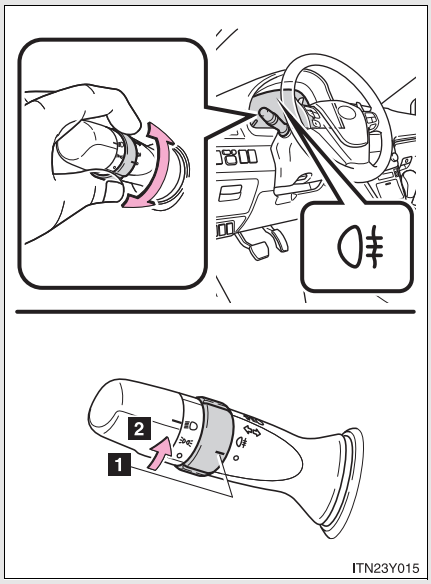
3 Both front and rear fog lights on (Rotating the switch ring again turns only the rear fog light off.)

Releasing the switch returns the ring to the position.

Operating the switch again turns only the rear fog lights off.

After the headlight switch is turned off, the rear fog lights do not come on even if you turn on the headlight switch again.

▶ Vehicles without front fog lights



1 Off

2 Rear fog light on

Releasing the switch returns the ring to the ○ position.

Operating the switch again turns only the rear fog lights off.

■ **Fog lights can be used when**

▶ Vehicles with front fog lights

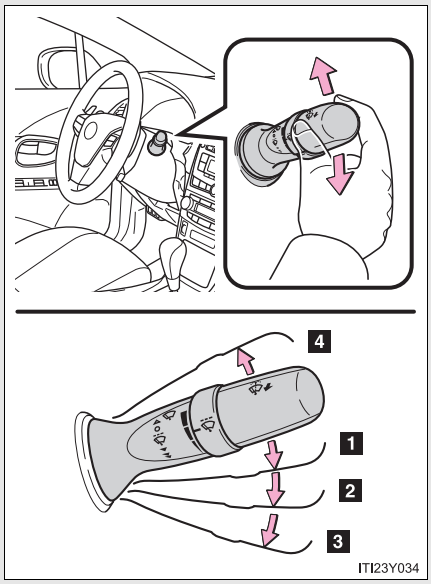
Front fog lights: The headlights or front position lights are turned on.
Rear fog lights: The front fog lights are turned on.

▶ Vehicles without front fog lights

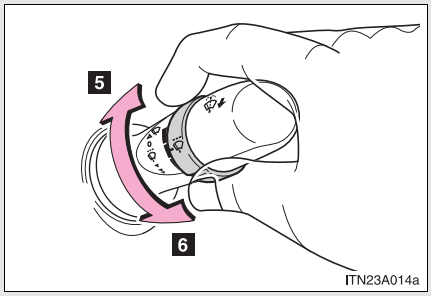
The headlights or front position lights are turned on.

■ **Intermittent wiper with interval adjuster**

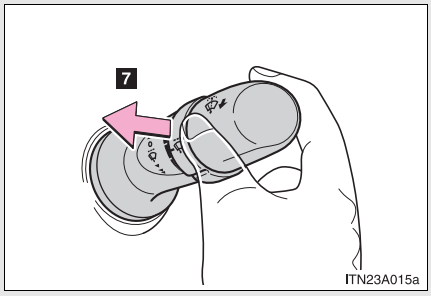
Wiper intervals can be adjusted for intermittent operation (when  is selected).



1 Intermittent wiper operation
2 Low speed wiper operation
3 High speed wiper operation
4 Temporary operation



5 Increases the intermittent wiper frequency
6 Decreases the intermittent wiper frequency



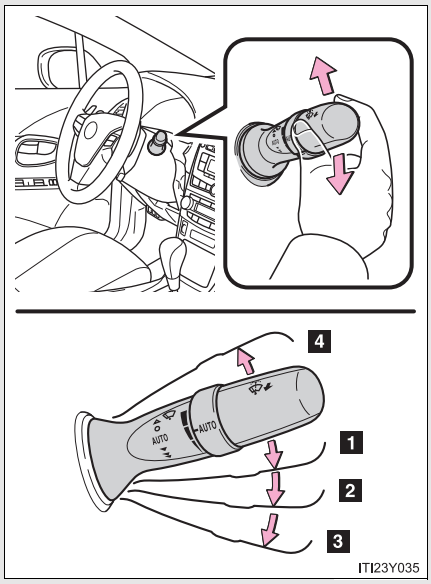
7 Washer/wiper dual operation

Wipers operate automatically.

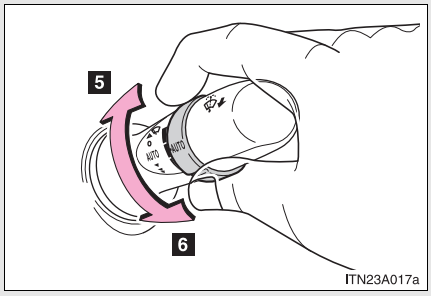
If the headlights are on, the headlight cleaners will operate once. And then, the headlight cleaners will operate every five times you pull the lever. (if equipped)

■ **Rain-sensing windshield wipers**

With “AUTO” selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume.

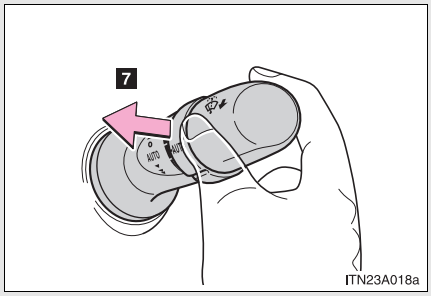


1 Rain-sensing wiper operation
2 Low speed wiper operation
3 High speed wiper operation
4 Temporary operation



5 Sensor sensitivity (high)

6 Sensor sensitivity (low)



7 Washer/wiper dual operation

Wipers operate automatically.

If the headlights are on, the headlight cleaners will operate once. And then, the headlight cleaners will operate every five times you pull the lever. (if equipped)

■ **The windshield wiper and washer can be operated when**

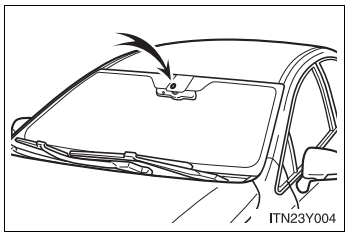
▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position.

■ **Rain drop sensor (vehicles with rain-sensing windshield wipers)**



The raindrop sensor judges the amount of raindrops.

▶ Vehicles with smart entry & start system

If the wiper switch is turned to the “AUTO” position while the “ENGINE START STOP” switch is in IGNITION ON mode, the wiper will operate once to show that “AUTO” mode is activated.

If the wiper sensitivity is adjusted to higher, the wiper may operate once to indicate the change of sensitivity.

▶ Vehicles without smart entry & start system

If the wiper switch is turned to the “AUTO” position while the engine switch is in the “ON” position, the wiper will operate once to show that “AUTO” mode is activated.

If the wiper sensitivity is adjusted to higher, the wiper may operate once to indicate the change of sensitivity.

■ **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.

■ **Windshield wiper features**

The rear window and outside rear view mirror defoggers automatically turn on when you operate the wipers.

CAUTION

■ Caution regarding the use of windshield wipers in “AUTO” mode

The windshield wipers may operate unexpectedly if the sensor is touched or the windshield is subject to vibration in “AUTO” mode. Take care that your fingers or anything else do not become caught in the windshield wipers.

NOTICE

■ When the windshield is dry

Do not use the wipers, as they may damage the windshield.

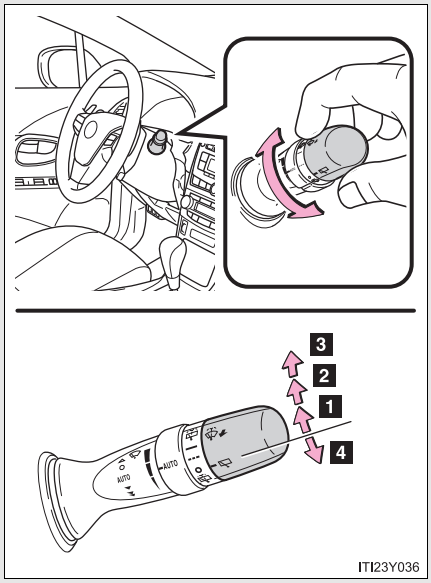
■ When there is no washer fluid spray from the nozzle

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

■ When a nozzle becomes blocked

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

Rear window wiper and washer (wagon)



1 Intermittent window wiper operation
2 Normal window wiper operation
3 Washer/wiper dual operation
4 Washer/wiper dual operation

■ **The rear window wiper and washer can be operated when**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position.

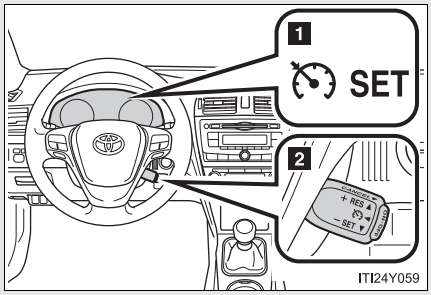
⚠ NOTICE

■ **When the rear window is dry**

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

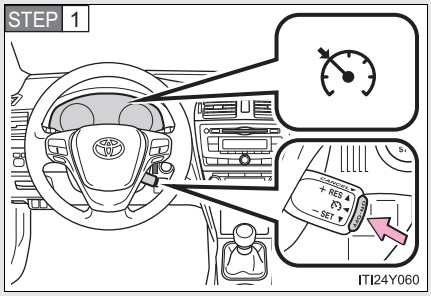
Cruise control*

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



1 Indicators
2 Cruise control switch

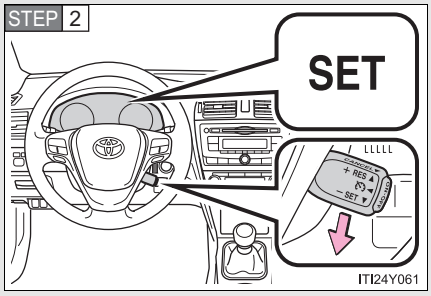
■ Setting the vehicle speed



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.

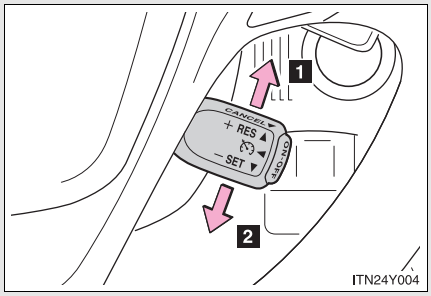
“SET” indicator will come on.

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 Increase the speed

2 Decrease the speed

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

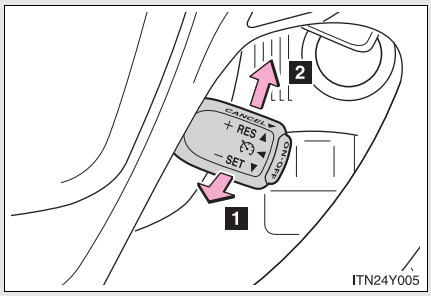
Large adjustment: Hold the lever in the desired direction.

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



1 Pulling the lever toward you cancels the constant speed control.

The speed setting is also canceled when the brakes are applied or the clutch pedal (manual transmission only) is depressed.

2 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**

▶ Vehicles with a Multidrive

- The shift lever is in the “D” or range “4” or higher of “M” has been selected.
- Range “4” or higher has been selected by using the paddle shift. (vehicles with paddle shift switch)
- Vehicle speed is above approximately 40 km/h (25 mph).

▶ Vehicles with an automatic transmission

- The shift lever is in “D”.
- Range “4” or higher of “D” has been selected by using the paddle shift. (vehicles with paddle shift switch)
- Vehicle speed is above approximately 40 km/h (25 mph).

▶ Vehicles with a manual transmission

- Vehicle speed is more than 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.
- Speed limiter is activated (if equipped).

■ **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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

CAUTION

■ **To avoid operating the cruise control by mistake**

Switch the cruise control off using the “ON-OFF” button when not in use.

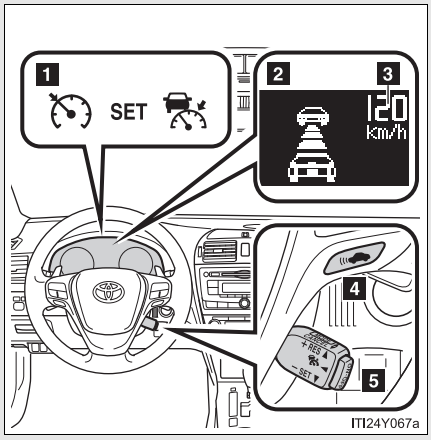
■ **Situations unsuitable for cruise control**

Do not use cruise control in any of the following situations.
Doing so may result in loss of control and could cause an accident resulting in death or serious injury.

- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep hills
  Vehicle speed may exceed the set speed when driving down a steep hill.
- When your vehicle is towing a trailer or during emergency towing

Dynamic radar cruise control*

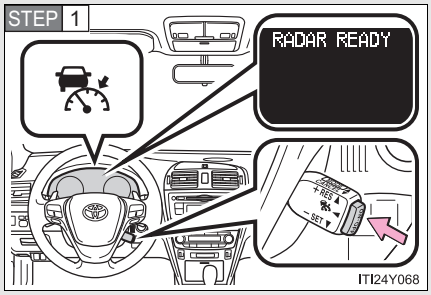
Dynamic radar cruise control supplements conventional cruise control with a vehicle-to-vehicle distance control. In the vehicle-to-vehicle distance control mode, the vehicle automatically accelerates or decelerates in order to maintain a set following distance from vehicles ahead.



1 Indicators
2 Display
3 Set speed
4 Vehicle-to-vehicle distance button
5 Cruise control switch

*: If equipped

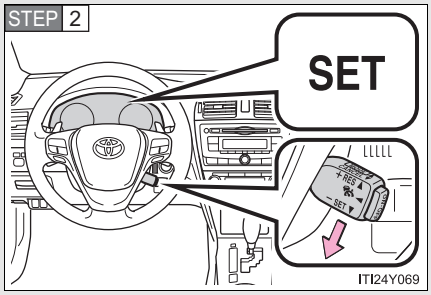
■ **Setting the vehicle speed (vehicle-to-vehicle distance control mode)**



Press the “ON-OFF” button to activate the cruise control.

Dynamic radar cruise control indicator will come on.

Press the button again to deactivate the cruise control.



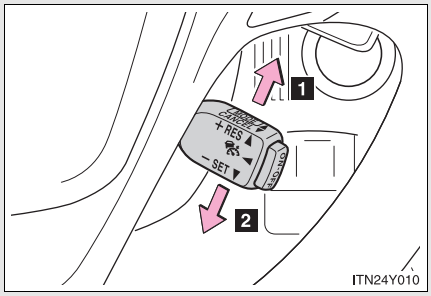
Accelerate or decelerate the vehicle to the desired speed, and push the lever down to set the speed.

“SET” indicator will come on.

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

Adjusting the set speed

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



1 Increase the speed

2 Decrease the speed

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

Large adjustment: Hold the lever in the desired direction.

In the vehicle-to-vehicle distance control mode, the set speed will be increased or decreased as follows:

- When the set speed is shown in “MPH”

  Fine adjustment: By approximately 8 km/h (5 mph) each time the lever is operated

  Large adjustment: By approximately 8 km/h (5 mph) for each 0.75 seconds the lever is held

- When the set speed is shown in “km/h”

  Fine adjustment: By approximately 5 km/h (3.1 mph) each time the lever is operated

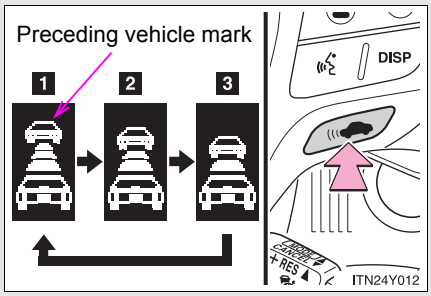
  Large adjustment: By approximately 5 km/h (3.1 mph) for each 0.75 seconds the lever is held

In the constant speed control mode (→P. 282), 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.

■ Changing the vehicle-to-vehicle distance



Pressing the button changes the vehicle-to-vehicle distance as follows:

1 Long

2 Medium

3 Short

Vehicles with smart entry & start system:
The vehicle-to-vehicle distance is set automatically to long mode when the “ENGINE START STOP” switch is turned to IGNITION ON mode.

If a vehicle is running ahead of you, the preceding vehicle mark will also be displayed.

Vehicles without smart entry & start system:
The vehicle-to-vehicle distance is set automatically to long mode when the engine switch is turned to the “ON” position.

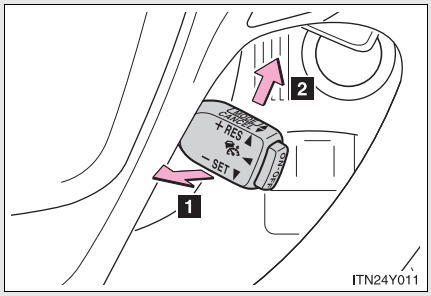
If a vehicle is running ahead of you, the preceding vehicle mark will also be displayed.

Vehicle-to-vehicle distance settings

Select a distance from the table below. Note that the distances shown correspond to a vehicle speed of 80 km/h (50 mph). Vehicle-to-vehicle distance increases/decreases in accordance with vehicle speed.

Distance options	Vehicle-to-vehicle distance
Long	Approximately 50 m (160 ft.)
Medium	Approximately 40 m (130 ft.)
Short	Approximately 30 m (100 ft.)

Canceling and resuming the speed control



1 Pulling the lever toward you cancels the cruise control.

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

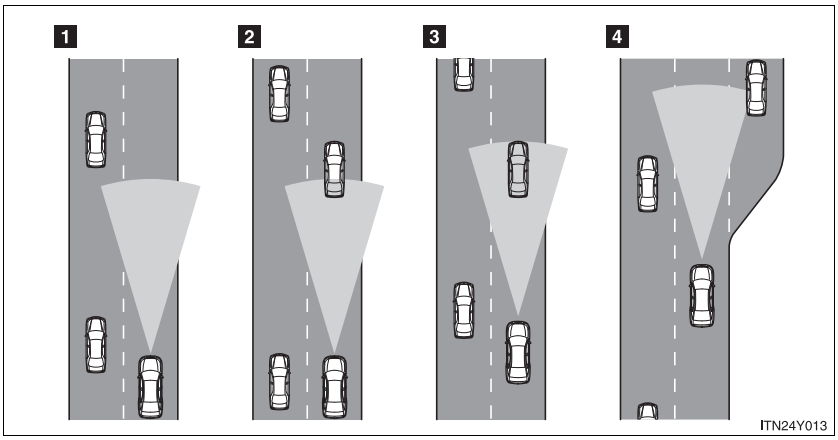
2 Pushing the lever up resumes the cruise control and returns vehicle speed to the set speed.

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

Driving in vehicle-to-vehicle distance control mode

This mode employs a radar sensor to detect the presence of vehicles up to approximately 120 m (400 ft.) ahead, determines the current vehicle-to-vehicle following distance, and operates to maintain a suitable following distance from the vehicle ahead.

Note that vehicle-to-vehicle distance will close in when traveling on long downhill slopes.



1 Example of constant speed cruising

When there are no vehicles ahead

The vehicle travels at the speed set by the driver. The desired vehicle-to-vehicle distance can also be set by operating the vehicle-to-vehicle distance control.

2 Example of deceleration cruising

When the vehicle ahead is driving slower than the set speed

When a vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system applies the brakes. A warning tone warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.

3 Example of follow-up cruising

When following a vehicle driving slower than the set speed

The system continues follow-up cruising while adjusting for changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver.

4 Example of acceleration

When there are no longer any vehicles ahead driving slower than the set speed

The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

Approach warning

When your vehicle is too close to a vehicle ahead, and sufficient automatic deceleration via the cruise control is not possible, the display will flash and the buzzer will sound to alert the driver. An example of this would be if another driver cuts in front of you while you are following a vehicle. Apply the brakes to ensure an appropriate vehicle-to-vehicle distance.

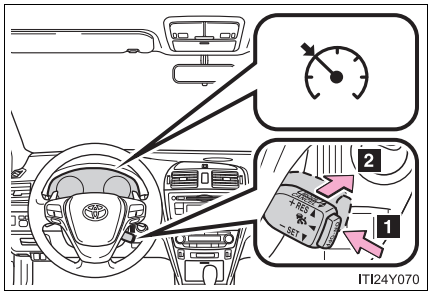
Warning may not occur when

In the following instances, there is a possibility that the warnings will not occur:

- When the speed of the vehicle ahead matches or exceeds your vehicle speed
- When the vehicle ahead is traveling at an extremely slow speed
- Immediately after the cruise control speed was set
- At the instant the accelerator is applied

Selecting conventional constant speed control mode

Constant speed control mode differs from vehicle-to-vehicle distance control mode. When constant speed control mode is selected, your vehicle will maintain a set speed regardless of whether or not there are other vehicles in the lane ahead.



1 Press the “ON-OFF” button to activate the cruise control.

Press the button again to deactivate the cruise control.

2 Switch to constant speed control mode.
(Push the lever forward and hold for approximately one second.)

Cruise control indicator will come on.

When in constant speed control mode, to return to vehicle-to-vehicle distance control mode, push the lever forward again and hold for approximately 1 second.

After the desired speed has been set, it is not possible to return to vehicle-to-vehicle distance control mode.

Vehicles with smart entry & start system:
If “ENGINE START STOP” switch is turned OFF and then turned to IGNITION ON mode again, the vehicle will automatically return to vehicle-to-vehicle distance control mode.

Vehicles without smart entry & start system:
If the engine switch is turned off and then turned to the “ON” position again, the vehicle will automatically return to vehicle-to-vehicle distance control mode.

Adjusting the speed setting:
→P. 275

Canceling and resuming the speed setting: →P. 278

■ **Dynamic radar cruise control can be set when**

- The shift lever is in “D”.
- Range “4” or higher of “D” has been selected by using the paddle shift. (vehicles with paddle shift switch)
- Vehicle speed is above approximately 50 km/h (30 mph).

■ **Accelerating after setting the vehicle speed**

The vehicle can accelerate normally. After acceleration, the set speed resumes. However, during vehicle-to-vehicle distance control mode, the vehicle speed may decrease below the set speed in order to maintain the distance to the vehicle ahead.

■ **Automatic cancelation of vehicle-to-vehicle distance control**

Vehicle-to-vehicle distance control driving is automatically canceled in the following situations:

- Actual vehicle speed falls below approximately 40 km/h (25 mph).
- VSC is activated.
- The sensor cannot operate correctly because it is covered in some way.
- The windshield wipers are operating at high speed (when the wiper switch is set to the “AUTO” mode or the high speed wiper operation position).

If vehicle-to-vehicle distance control driving is automatically canceled for any other reason, there may be a malfunction in the system. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

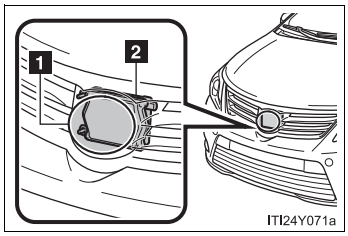
■ **Automatic cancelation of constant speed control**

The cruise control will stop maintaining the vehicle speed in the following situations:

- Actual vehicle speed is more than approximately 16 km/h (10 mph) below the set vehicle speed.
  At this time, the memorized set speed is not retained.
- Actual vehicle speed falls below approximately 40 km/h (25 mph).
- VSC is activated.
- Speed limiter is activated. (if equipped)

■ **Radar sensor and grille cover**

Always keep the sensor and grille cover clean to ensure that the vehicle-to-vehicle distance control operates properly. (Some obstructions, such as snow, ice and plastic objects, cannot be detected by the obstruction sensor.) Dynamic radar cruise control is canceled if an obstruction is detected.



1 Grille cover
2 Radar sensor

■ **Warning lights, messages and buzzers for dynamic radar cruise control**

Warning lights, messages and buzzers are used to indicate a system malfunction or to inform the driver of the need for caution while driving.
(→P. 616)

Certification

Hereby, DENSO CORPORATION declares that this DNMWR004 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Hér með lýsir DENSO CORPORATION yfir því að DNMWR004 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Con la presente DENSO CORPORATION dichiara che questo DNMWR004 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Käesolevaga kinnitab DENSO CORPORATION seadme DNMWR004 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Hierbij verklaart DENSO CORPORATION dat het toestel DNMWR004 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ DENSO CORPORATION ΔΗΛΩΝΕΙ ΟΤΙ DNMWR004 ΣΥΜΜΟΡΦΩΝ ΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Härmed intygar DENSO CORPORATION att denna DNMWR004 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Por medio de la presente DENSO CORPORATION declara que el DNMWR004 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
DENSO CORPORATION týmto vyhlasuje, že DNMWR004 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
DENSO CORPORATION izjavlja, da je ta DNMWR004 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
DENSO CORPORATION tímto prohlašuje, že tento DNMWR004 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Undertegnede DENSO CORPORATION erklærer herved, at følgende udstyr DNMWR004 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt DENSO CORPORATION, dass sich das Gerät DNMWR004 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
DENSO CORPORATION erklærer herved at utstyret DNMWR004 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Alulírott, DENSO CORPORATION nyilatkozom, hogy a DNMWR004 megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
DENSO CORPORATION vakuuttaa täten että DNMWR004 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Par la présente DENSO CORPORATION déclare que l'appareil DNMWR004 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Niniejszym DENSO CORPORATION oświadcza, że DNMWR004 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
DENSO CORPORATION declara que este DNMWR004 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, DENSO CORPORATION, jiddikjara li dan DNMWR004 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Ar šo, DENSO CORPORATION, deklarē, ka DNMWR004 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Šiuo DENSO CORPORATION deklaruoja, kad šis DNMWR004 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

CAUTION

■ **Before using dynamic radar cruise control**

Do not overly rely on vehicle-to-vehicle distance control.
Be aware of the set speed. If automatic deceleration/acceleration is not appropriate, adjust the vehicle speed, as well as the distance between your vehicle and vehicles ahead by applying the brakes etc.

■ **Cautions regarding the driving assist systems**

Observe the following precautions.
Failure to do so may cause an accident resulting in death or serious injury.

- Assisting the driver to measure following distance
  The dynamic radar cruise control is only intended to help the driver in determining the following distance between the driver's own vehicle and a designated vehicle travelling ahead. It is not a mechanism that allows careless or inattentive driving, and it is not a system that can assist the driver in low-visibility conditions. It is still necessary for driver to pay close attention to the vehicle's surroundings.
- Assisting the driver to judge proper following distance
  The dynamic radar cruise control determines whether the following distance between the driver's own vehicle and a designated vehicle traveling ahead is appropriate or not. It is not capable of making any other type of judgement. Therefore, it is absolutely necessary for the driver to remain vigilant and to determine whether or not there is a possibility of danger in any given situation.
- Assisting the driver to operate the vehicle
  The dynamic radar cruise control has no capability to prevent or avoid a collision with a vehicle traveling ahead. Therefore, if there is ever any danger, the driver must take immediate and direct control of the vehicle and act appropriately in order to ensure the safety of all involved.

CAUTION

■ **To avoid inadvertent cruise control activation**

Switch the cruise control off using the “ON-OFF” button when not in use.

■ **Situations unsuitable for dynamic radar cruise control**

Do not use dynamic radar cruise control in any of the following situations.

Doing so may result in inappropriate speed control and could cause an accident resulting in death or serious injury.

- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep downhills, or where there are sudden changes between sharp up and down gradients
  Vehicle speed may exceed the set speed when driving down a steep hill.
- At entrances to expressways
- When weather conditions are bad enough that they may prevent the sensors from functioning correctly (fog, snow, sandstorm, heavy rain, etc.)
- When an approach warning buzzer is heard often
- When your vehicle is towing a trailer or during emergency towing

CAUTION

■ **When the sensor may not be correctly detecting the vehicle ahead**

Apply the brakes as necessary when any of the following types of vehicles are in front of you.
As the sensor may not be able to correctly detect these types of vehicles, the approach warning (→P. 281) will not be activated, and a fatal or serious accident may result.

- Vehicles that cut in suddenly
- Vehicles traveling at low speeds
- Vehicles that are not moving
- Vehicles with small rear ends (trailers with no load on board etc.)
- Motorcycles traveling in the same lane

■ **Conditions under which the vehicle-to-vehicle distance control may not function correctly**

Apply the brakes as necessary in the following conditions as the radar sensor may not be able to correctly detect vehicles ahead, and a fatal or serious accident may result:

- When water or snow thrown up by the surrounding vehicles hinders the functioning of the sensor
- When your vehicle is pointing upwards (caused by a heavy load in the trunk etc.)
- When the road curves or when the lanes are narrow
- When steering wheel operation or your position in the lane is unstable
- When the vehicle ahead of you decelerates suddenly

CAUTION

Handling the radar sensor

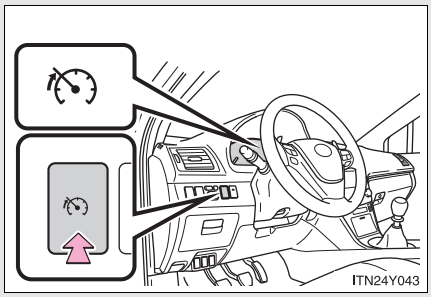
Observe the following to ensure the cruise control system can function effectively.
Otherwise, the system may not function correctly and could result in an accident.

- Keep the sensor and grille cover clean at all times.
  Clean the sensor and grille cover with a soft cloth so you do not mark or damage them.
- Do not subject the sensor or surrounding area to a strong impact.
  If the sensor moves even slightly off position, the system may malfunction. If the sensor or surrounding area is subject to a strong impact, always have the area inspected and adjusted by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- Do not disassemble the sensor.
- Do not attach accessories or stickers to the sensor, grille cover or surrounding area.
- Do not modify or paint the sensor and grille cover.
- Do not replace them with non-genuine parts.

Speed limiter*

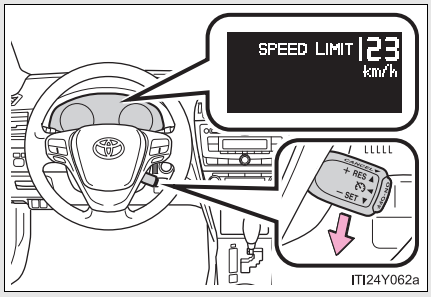
A desired maximum speed can be set using the cruise control switch.
The speed limiter prevents vehicle speed from exceeding the set speed.

■ Setting the vehicle speed



Press the switch to activate the speed limiter.

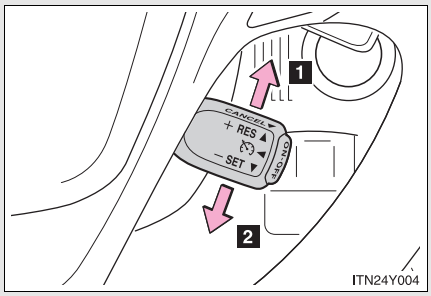
Press the switch once more to deactivate the speed limiter.



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

*: If equipped

■ Adjusting the speed setting



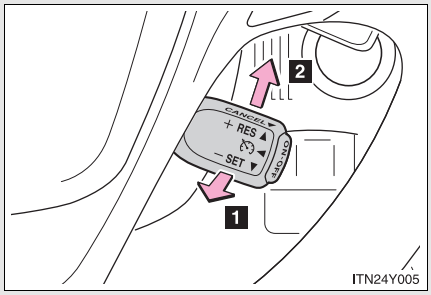
1 Increase speed

2 Decrease speed

Hold the lever until the desired speed setting is obtained.

Fine adjustment of the set speed can be made by lightly pushing the lever up or down and releasing it.

■ Canceling and resuming the speed limiter



1 Cancel

Pull the lever towards you to cancel the speed limiter.

2 Resume

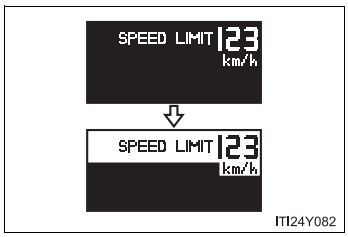
To resume use of the speed limiter, push the lever up.

■ Speed limiter can be set when

The vehicle speed is more than approximately 30 km/h (18 mph).

■ **Exceeding the set speed**

In the following situations, the vehicle speed exceeds the set speed:



- When fully depressing the accelerator pedal
- When driving down a hill

■ **Automatic speed limiter cancellation**

The set speed is automatically canceled when the cruise control is activated.

■ **If the speed limiter indicator flashes**

It may indicate a malfunction in the system. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

⚠ CAUTION

■ **To avoid operating the speed limiter by mistake**

Keep the speed limiter switch off when not in use.

■ **Situations unsuitable for speed limiter**

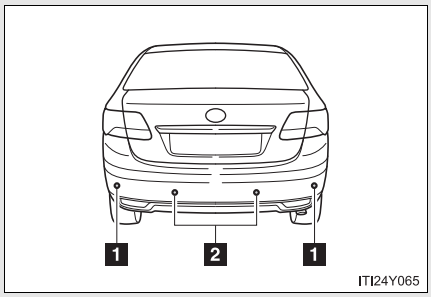
Do not use the speed limiter in either of the following situations.
Doing so may result in control of the vehicle being lost and could cause a serious or fatal accident.

- On slippery roads, such as those covered with rain, ice or snow
- On steep hills
- When towing a trailer or emergency towing

Toyota parking assist-sensor*

Toyota parking assist-sensor uses sensors in the corners and rear of the vehicle to detect the distance between the vehicle and any obstacles, and informs the driver of this distance using the warning beeps.

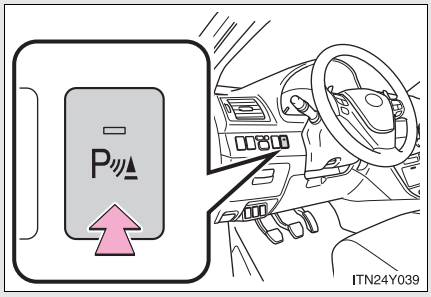
■ Sensor types



1 Rear corner sensor
2 Back sensors

■ Toyota parking assist-sensor switch

▶ Left-hand drive vehicles



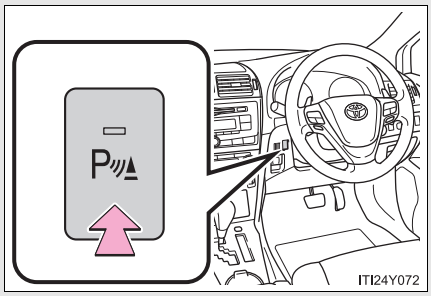
On/off

To turn the system on, press the switch. The indicator light comes on to inform the driver that the system is operational.

To turn the system off, press the switch again.

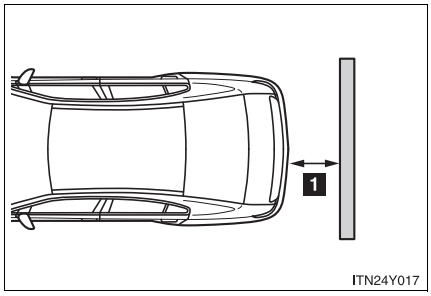
*: If equipped

▶ Right-hand drive vehicles



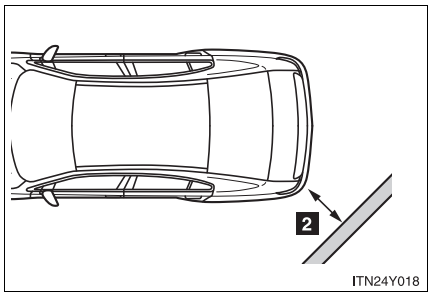
Sensor detection distance and buzzer

▶ Back sensors



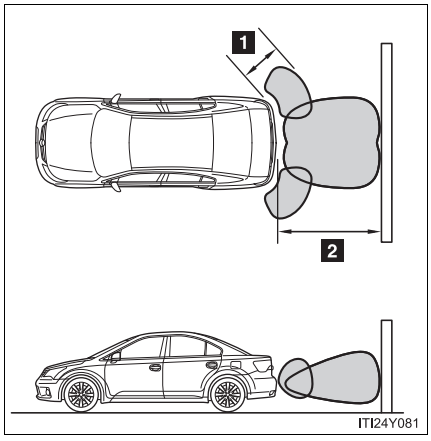
Distance shown as 1	Buzzer
160 to 67.5 cm (5.3 to 2.2 ft.)	Long
67.5 to 47.5 cm (2.2 to 1.6 ft.)	Medium
47.5 to 35 cm (1.6 to 1.1 ft.)	Short
Less than 35 cm (1.1 ft.)	Continuous

▶ Corner sensors



Distance shown as 2	Buzzer
45 to 37.5 cm (1.5 to 1.2 ft.)	Medium
37.5 to 25 cm (1.2 to 0.8 ft.)	Short
Less than 25 cm (0.8 ft.)	Continuous

Obstacle detection range



1 Approx. 45 cm (1.5 ft.)

2 Approx. 160 cm (5.3 ft.)

The detection area of the sensors is shown to the left. If obstacles move too close to the sensors, they will not be detected.

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

■ **The Toyota parking assist-sensor can be operated when**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode, and the shift lever is in the “R” position.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position, and the shift lever is in the “R” position.

■ **Sensor detection information**

● Certain vehicle conditions and the surrounding environment may affect the ability of the sensor to correctly detect obstacles. Particular instances where this may occur are listed below.

- There is dirt, snow or ice on the sensor. (Wiping the sensor will resolve this problem.)
- The sensor is frozen. (Thawing the sensor will resolve this problem.)
- The sensor is covered in any way.
- In harsh sunlight or intense cold weather.
- When driving on bumpy, sloped or gravel roads, or over grass.
- If there is something producing ultrasonic waves nearby, such as another vehicle’s horn, motorcycle engine noise, air braking sound from heavy-duty vehicles, or another vehicle using the park assist system.
- In heavy rain, or if water is splashed on the sensors.
- The vehicle is leaning considerably to one side.
- If a commercial fender pole or radio antenna is installed.
- If moving towards a high curb or a curb corner.
- If towing eyelet is installed on your vehicle.
- The bumper or sensor receives a strong impact.
- A non-genuine Toyota suspension (lowered suspension etc.) is installed.

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

- The shape of the obstacle may prevent the sensor from detecting it. Pay particular attention to the following obstacles.
  - Thin objects such as wire, fencing or rope.
  - Objects that absorb sound waves, such as cotton or snow.
  - Objects with sharp corners.
  - Low objects.
  - Objects where the upper section projects out over the lower section.

CAUTION

When using the Toyota parking assist-sensor

Observe the following precautions.
Failing to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

- Do not use the sensor at speeds in excess of 10 km/h (6 mph).
- Do not install accessories within the sensors' detection areas.

NOTICE

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.

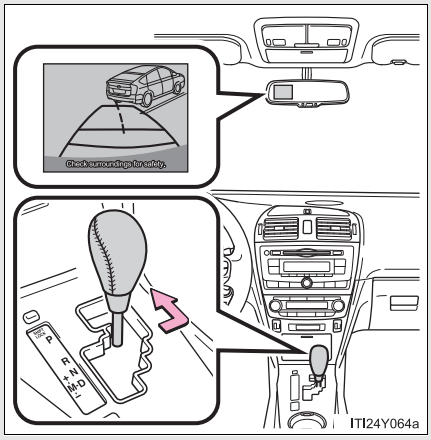
Rear view monitor system*

The rear view monitor system assists the driver by displaying an image of the view behind the vehicle while reversing. The image is displayed in reverse on the screen. This allows the image to appear in the same manner as that of the rear view mirror.

▶ Vehicles with a “touch screen”

Refer to the ““touch screen” Owner’s Manual”.

▶ Vehicles without a “touch screen”



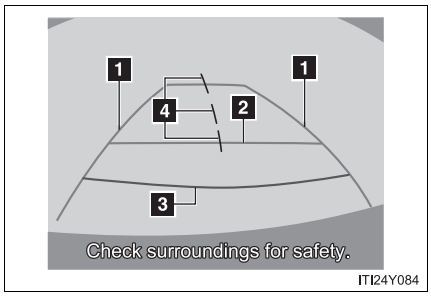
The rear view image is displayed on the inside rear view mirror when the shift lever is in “R”.

This reversed image is a similar image to the one on the inside rear view mirror.

If you move the lever out of “R”, the screen is turned off.

*: If equipped

■ Rear view monitor guide lines



Guide lines are displayed on the screen.

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

1 Vehicle width extension guide line (blue)

These lines indicate the estimated vehicle width extension.

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.

4 Vehicle center guide lines (blue)

These lines indicate the estimated vehicle center on the ground.

■ **The rear view monitor system can be operated when**

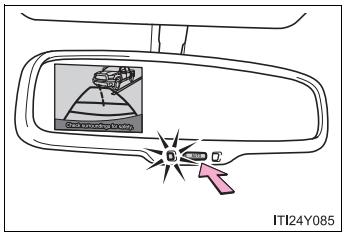
▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode, and the shift lever is in the “R” position.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position, and the shift lever is in the “R” position.

■ **Switching the screen**



When the screen is displayed, press the “AUTO” button on the inside rear view mirror to switch the screen ON/OFF mode.

Screen ON mode: Green indicator comes on.

Screen OFF mode: Amber indicator comes on.

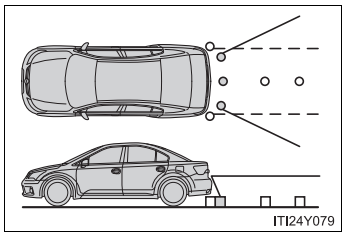
■ **When using the rear view monitor system**

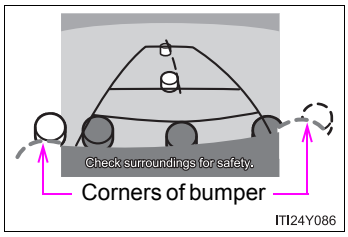
The anti-glare function of the inside rear view mirror will be canceled.

■ **Automatic shut off**

The display will be turned off automatically after 5 minutes.

Displayed area





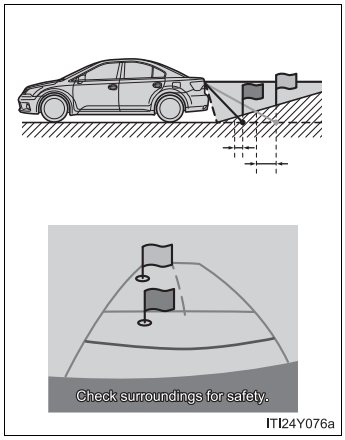
The area covered by the camera is limited. Objects which are close to either corner of the bumper or under the bumper cannot be seen on the screen.

The area displayed on the screen may vary according to vehicle orientation or road conditions.

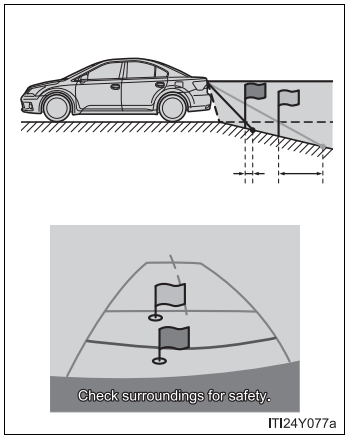
The camera uses a special lens.

The distance of the image that appears on the screen differs from the actual distance.

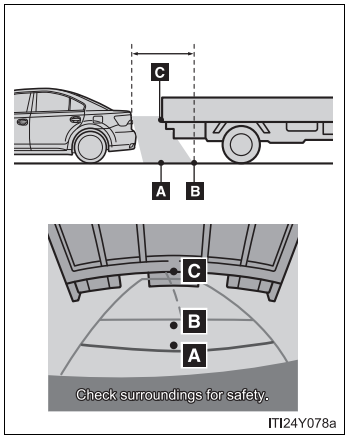
Driving precautions



When the grade behind the vehicle slopes up sharply, objects appear to be farther away than they actually are.



When the grade behind the vehicle slopes down sharply, objects appear to be closer than they actually are.

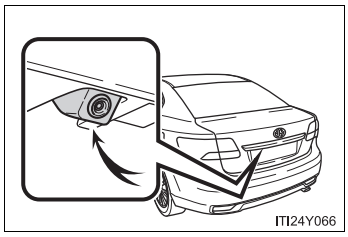


The distance that appears on the screen between three-dimensional objects (such as vehicles) and flat surfaces (such as the road) and the actual distance differ as follows.

In reality, C = A < B (C and A are equally far away; B is farther than C and A). However, on the screen, the situation appears to be A < B < C.

On the screen, it appears that a truck is parking about 0.5 m (1.5 ft.) away. However, in reality if you back up to point A, you will hit the truck.

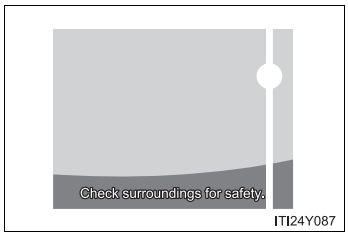
■ **Rear view monitor system camera**



In the following cases, it may become difficult to see the images on the screen, even when the system is functioning correctly.

- The vehicle is in a dark area, such as at night.
- The temperature near the lens is extremely high or low.
- Water droplets are on the camera lens or humidity is high, such as when it rains.
- Foreign matter, such as snow or mud, adheres to the camera lens.
- The sun or headlights are shining directly into the camera lens.
- A bright object such as a white wall is reflected in the mirror surface over the monitor.
- The camera has scratches or dirt on it.

■ **Smear effect**



If a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera, a smear effect* peculiar to the camera may occur.

*: Smear effect — A phenomenon that occurs when a bright light (for example, sunlight reflected off the vehicle body) is picked up by the camera; when transmitted by the camera, the light source appears to have a vertical streak above and below it.

■ **Flicker effect**

When the camera is used under fluorescent lights, sodium lights, mercury lights etc., the lights and the illuminated areas may appear to flicker.

CAUTION

When using the rear view monitor system

Observe the following precautions to avoid an accident that could result in death or serious injuries.

- Never depend solely on the monitor system when reversing.
- Always check visually and with the mirrors to confirm your intended path is clear.
- Use your own eyes to confirm the vehicle's surroundings, as the displayed image may become faint or dark, and moving images will be distorted, or not entirely visible when the outside temperature is low. When backing up, be sure to check behind and all around the vehicle visually and with the mirrors before proceeding.
- Always check the vehicle surrounding area, because the guide lines are ancillary lines.
- The guide lines are ancillary lines and do not change even if the steering wheel is turned.
- Depicted distances between objects and flat surfaces differ from actual distances.
- Do not use the system if the trunk/back door is not completely closed.

NOTICE

Conditions which may affect the rear view monitor system

- If the back of the vehicle has been hit, the camera's position and mounting angle may have been changed. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- Rapid temperature changes, such as when hot water is poured on the vehicle in cold weather, may cause the system to function abnormally.
- If the camera lens is dirty, it cannot transmit a clear image. Rinse with water and wipe with a soft cloth. If extremely dirty, wash with a mild cleanser and rinse.
- The displayed image may be darker and moving images may be slightly distorted when the system is cold.

NOTICE

Camera precautions

- As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
- Do not subject the camera to a strong impact.
- If the camera lens becomes dirty, it cannot transmit a clear image. If water droplets, snow, or mud adhere to the lens, rinse with water and wipe with a soft cloth. If the lens is extremely dirty, wash it with a mild cleanser and rinse. Do not rub hard.
- 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.
- Do not strongly rub the camera lens. If the camera lens is scratched, it cannot transmit a clear image.
- When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunction.
- When replacing tires, please consult any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. If you replace the tires, the area displayed on the screen may change.

LKA (Lane-Keeping Assist)*

While driving on a freeway or motor highway that has lane markers, this system recognizes the lanes using a camera as a sensor to assist the driver with staying in the lane. The LKA system has two functions.

■ Lane departure warning function

If the system judges that the vehicle may deviate from its lane, it alerts the driver using rapid beeping, indications on the multi-information display, and a sensory warning* given via the steering wheel.

*: A slight steering torque is applied for a short period of time in the direction of the center of the lane.

■ Lane keeping assist function

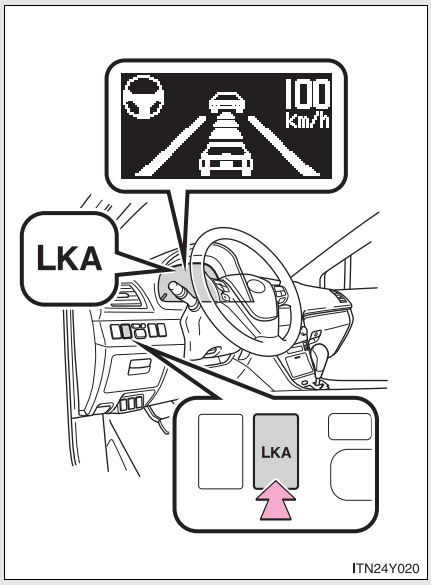
This function will be active when the vehicle-to-vehicle distance control mode of the cruise control (→P. 273) is set with vehicle speed above approx. 72 km/h (approx. 45 mph) and while the lane departure warning function is active. When the lane keeping assist function is active, a slight steering torque will be applied, to help the driver maintain the vehicle in a central position within the lane.

While the lane keeping assist function is active, sensory warnings will not occur.

*: If equipped

■ **Turning the LKA system on**

The lane departure warning function and lane keeping assist function will be activated depending on the recognition condition of lane markers, vehicle speed and the setting of radar cruise control (vehicle-to-vehicle distance control mode).



Press the “LKA” switch to activate the system.

Press the switch again to turn the LKA system off.

■ **Operating conditions for each function**

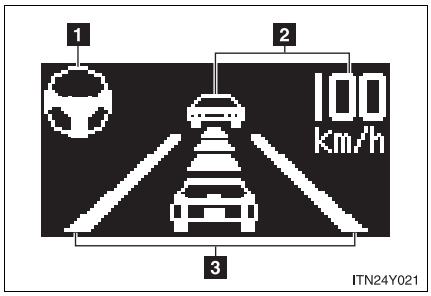
"LKA" switch	Cruise control (vehicle-to-vehicle distance control mode)	Lane departure warning function*1	Lane keeping assist function*2
On	Off	Available	Not available
	On (While cruising in vehicle-to-vehicle distance control mode with the set vehicle speed approx. 71 km/h [approx. 44 mph] or less)	Available	Not available
	On (While cruising in vehicle-to-vehicle distance control mode with the set vehicle speed approx. 72 km/h [approx. 45 mph] or more)	Available	Available

*1: Vehicle speed is between about 50 and 200 km/h (30 and 125 mph).

*2: Vehicle speed is between about 72 and 180 km/h (45 and 112 mph).

Indication on the multi-information display

While the LKA system is on, the lane line display and steering wheel display (in case of lane keeping assist function) are shown on the multi-information display to inform that the LKA system is on.



1 Steering wheel display

The lane keeping assist function is active.

2 Dynamic radar cruise control display

3 Lane line display

When thin lines are shown:
A lane marking is not recognized by the system, or the LKA system functions are temporarily canceled. (When the lane keeping assist function is canceled, buzzer will beep twice.)

When solid lane lines are shown without steering wheel display:
The lane departure warning function is active.

■ **Temporary cancellation of the LKA system functions**

If any of the following occurs, the LKA system functions will be temporarily canceled. The functions will resume after the necessary operating conditions have returned.

- The turn signal lever is operated.
- The steering wheel is turned as far as necessary to cause the vehicle to change lanes.
- The brake pedal is depressed.
  However, the lane keeping assist function will not resume even after the brake pedal is released because depressing the brake pedal also cancels the dynamic radar cruise control (only lane departure warning function will resume).
- The vehicle speed deviates from the operating range of the LKA system functions. (The buzzer will beep twice when the lane keeping assist function is being canceled.)
- When the lane lines cannot be recognized while driving. (The buzzer will beep twice when the lane keeping assist function is being canceled.)
- The wiper operates continuously. (The buzzer will beep twice when the lane keeping assist function is being canceled.)
  The buzzer may not beep when the LKA system functions are canceled because the notification of dynamic radar cruise control cancellation takes priority over the LKA system and cancels the function.

■ **When the lane departure warning function is activated**

The lane departure warning function will be temporarily canceled and will not resume until a few seconds elapse after it is activated.

■ **Hands-free driving warning**

If the steering wheel is not operated for about 15 seconds on a straight road or about 5 seconds on a curve, the buzzer will beep twice, indicators on the multi-information display will flash, and the lane keeping assist function will be temporarily canceled. If you drive the vehicle with your hands lightly touching the steering wheel, this may also be detected as hands-free driving.

■ **When the vehicle has been parked in the sun**

The LKA system functions may not be available for a while after driving has started. In such cases, turn the LKA system off and turn it on again after normal temperature returns. When the temperature in the cabin decreases and the temperature around the camera sensor becomes suitable for its operation, the functions will begin to operate.

■ **Warning lights and messages for LKA**

Warning lights and messages are used to indicate a system malfunction or to inform the driver of the need for caution while driving. (→P. 611)

⚠ CAUTION

■ **Before using the LKA system**

Do not rely on the LKA system to remain within a selected lane. The LKA system is not designed to enable inattentive driving. The steering wheel should be operated by the driver to maintain the vehicle in a suitable position within its lane. Always drive carefully.

⚠ CAUTION

■ Turn the LKA off while driving in any of the following conditions

Do not use LKA in any of the following situations.
Otherwise, the system may not function correctly and could result in an accident.

- When driving with snow tires, tire chains, a spare tire, or similar equipment.
- When driving with non-standard parts or aftermarket equipment installed. (including modified tires and suspensions, etc.)
- When towing a trailer.
- When there are objects or structures along the roadside that might be misinterpreted as lane markers (such as guardrails, curb, reflector posts, etc.).
- When there are wheel ruts, icy trademarks, etc. or if snow remains on the road surface.
- When there are shadows on the road running parallel with lane markers, or if a shadow covers the lane markers.
- When there are visible lines on the pavement from road repairs, or if the remains of old lane markers are still visible on the road.
- When driving on slippery roads, such as those covered with rain, ice or snow.
- When driving in a lane other than the driving or passing lanes on a freeway or highway.
- When driving on a road with lane closures due to maintenance, or when driving in a temporary lane.
- When driving on winding roads or roads that are rough or uneven.

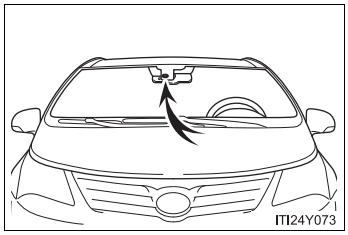
NOTICE

In the following situations, the LKA will not work, or will not perform reliably

- When lane markers are interrupted or are not present, such as before a tollbooth.
- When lane markers are only on one side of the road.
- When driving on a sharp curve.
- When lanes are extremely narrow or extremely wide.
- When the vehicle leans to one side an unusual amount due to a heavy load or improper tire inflation pressure.
- When the following distance between your vehicle and the vehicle ahead is extremely short.
- When the lane markers are broken or “Raised pavement marker”.
- When lane markers are obscured or partially obscured by sand, dirt, etc.
- When driving on a particularly bright road surface, such as concrete.
- When driving on a road surface that is bright due to reflected light.
- When driving in a location where the light level changes rapidly, such as the entrance to or exit from a tunnel.
- When sunlight or the headlights of oncoming vehicles are shining directly into the camera lens.
- When driving on roads that are branching or merging.
- When pavement lane markers are difficult to see due to rain, snow, fog, etc.
- When driving on a road surface that is wet due to rain, previous rainfall, standing water, etc.
- When the vehicle experiences strong up-and-down motion such as when driving on an extremely rough road or on a seam in the pavement.
- When headlight brightness is reduced due to dirt on the lenses, or when the headlights are misaligned.
- When driving with a strong crosswind.

NOTICE

Camera sensor



Observe the following to ensure that the LKA system functions correctly.

- Keep the windshield clean at all times.
  LKA performance may deteriorate due to the presence of raindrops, condensation, ice or snow on the windshield.
- Do not attach a sticker or other items to the windshield near the camera sensor.
- When adjusting the rear view mirror, make sure that it does not block the camera lens.
- When it is cold, using the heater with air blowing to the feet may allow the upper part of the windshield to fog up. This will have a negative effect on the images. In such a case, use the windshield defogger to provide warm, dry air to the windshield.
- Do not place anything on the dashboard.
  The camera sensor may recognize the image reflected on the windshield as lane markings by mistake.
- Do not scratch the camera lens, or let it get dirty.
- Do not change the installation position of the camera sensor or remove it. The direction of the camera sensor is precisely adjusted.
- Do not subject the camera sensor to strong impact or force, and do not disassemble the camera sensor.

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 front wheels from spinning when starting the vehicle or accelerating on slippery roads.

EPS (Electric Power Steering)

Employs an electric motor to reduce the amount of effort needed to turn the steering wheel.

VSC+ (Vehicle Stability Control+)

Provides cooperative control of the ABS, TRC, VSC and EPS.
Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

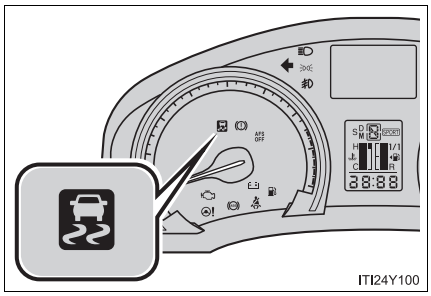
PCS (Pre-Crash Safety) (if equipped)

→P. 325

Emergency brake signal (if equipped)

When the brakes are applied suddenly, the stop lights automatically flash to alert the vehicle behind.

When the TRC and VSC are operating

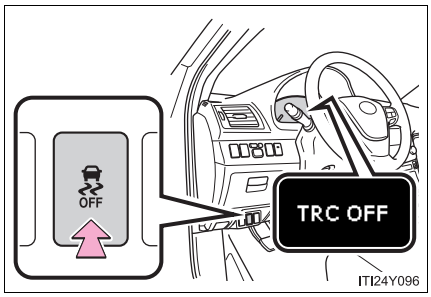


If the vehicle is in danger of slipping or if the front wheels spin, the slip indicator light flashes to indicate that the TRC/VSC have been engaged.

To disable TRC and/or VSC system

If the vehicle gets stuck in fresh snow or mud, the TRC and VSC systems 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

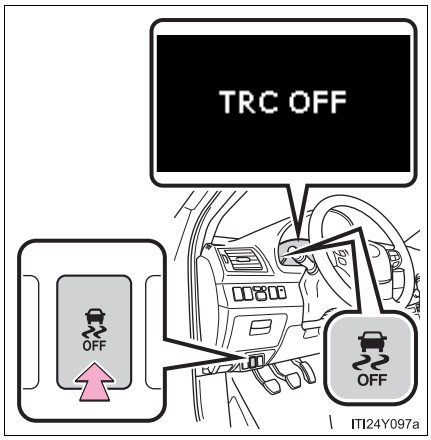


Quickly push and release the button to turn off TRC.

"TRC OFF" will be shown on the multi-information display.

Push the button again to turn the system back on.

Turning off TRC and VSC



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

The VSC OFF indicator light will come on and “TRC OFF” will be shown on the multi-information display.

Push the button again to turn the system back on.

Reactivation of the TRC/VSC systems after turning off the engine

Even after the TRC/VSC systems have been turned off, turning the engine off and then on again will automatically reactivate the TRC/VSC systems.

Reactivation of the TRC system linked to vehicle speed

When only the TRC system is turned off, the TRC system will turn on when vehicle speed increases. However, when both 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, brake assist, TRC and VSC

- 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.

EPS operation sound

When the steering wheel operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

Reduced effectiveness of EPS

The effectiveness of EPS is reduced to prevent the system from overheating when there is frequent steering input over an extended period of time. The steering wheel may feel heavy as a result. Should this occur, refrain from excessive steering input or stop the vehicle and turn the engine off. The system should return to normal after about 10 minutes.

CAUTION

Any of the following conditions may result in an accident which could cause death or serious injury:

■ **The ABS does not operate effectively when**

- The limits of tire gripping performance have been exceeded.
- The vehicle hydroplanes while driving at high speed on a 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 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

■ **TRC may not operate effectively when**

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

■ **When the VSC is activated**

The slip indicator light flashes. Always drive carefully.
Reckless driving may cause an accident. Exercise particular care when the indicator light flashes.

CAUTION

■ **When the TRC and VSC are off**

Be especially careful and drive at a speed appropriate to the road conditions. As these are systems to ensure vehicle stability and driving force, do not turn off TRC and VSC unless necessary.

■ **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 specified tire pressure level.

The ABS, TRC and VSC systems will not function correctly if different tires are fitted on the vehicle.
Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional for further information when replacing tires or wheels.

■ **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.

PCS (Pre-Crash Safety)*

When the radar sensor detects possibility of a frontal collision, the pre-crash safety systems such as the brakes and seat belts are automatically engaged to lessen impact as well as vehicle damage.

■ **Pre-crash seat belts (front seat belts only)**

If the pre-crash sensor detects that a collision is unavoidable, the pre-crash safety system will retract the seat belt before the collision occurs.

The same will happen if the driver makes an emergency braking or loses control of the vehicle. (→P. 102)

However, when the VSC system is disabled, the system will not operate in the event of skidding.

■ **Pre-crash brake assist**

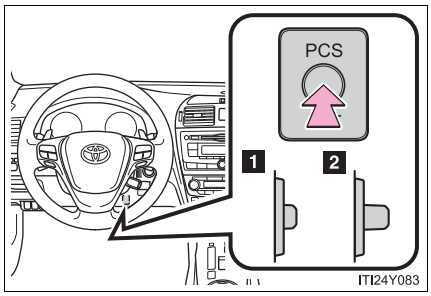
When there is a high possibility of a frontal collision, the system applies greater braking force in relation to how strongly the brake pedal is depressed.

■ **Pre-crash braking**

When there is a high possibility of a frontal collision, the system warns the driver using a warning light, warning display and buzzer. If the system determines that a collision is unavoidable, the brakes are automatically applied to reduce the collision speed. Pre-crash braking can be disabled using the pre-crash braking OFF switch.

*: If equipped

Disabling pre-crash braking

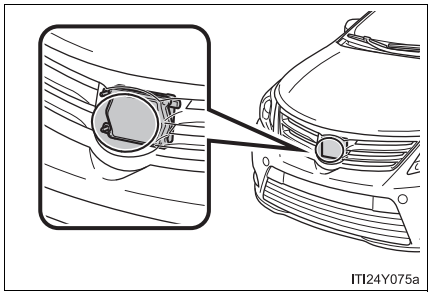


1 Disabled

2 Enabled

The “PCS” warning light will turn on when the pre-crash braking is disabled.

Radar sensor



Detects vehicles or other obstacles on or near the road ahead and determines whether a collision is imminent based on the position, speed, and heading of the obstacles.

■ **Obstacles not detected**

The sensor cannot detect plastic obstacles such as pylons. There may also be occasions when the radar sensor cannot detect pedestrians, animals, bicycles, motorcycles, trees, or snowdrifts.

■ **The pre-crash safety system is operational when**

● Pre-crash seat belts (Type A):

- Vehicle speed is greater than about 30 km/h (19 mph).
- The system detects sudden braking or skidding.
- The front occupants are wearing a seat belt.

● Pre-crash seat belts (Type B):

- Vehicle speed is greater than about 5 km/h (4 mph).
- The speed at which your vehicle is approaching the obstacle or the vehicle running ahead of you is greater than about 30 km/h (19 mph).
- The front occupants are wearing a seat belt.

● Pre-crash brake assist:

- Vehicle speed is greater than about 30 km/h (19 mph).
- The speed at which your vehicle is approaching the obstacle or the vehicle running ahead of you is greater than about 30 km/h (19 mph).
- The brake pedal is depressed.

● Pre-crash braking:

- The pre-crash braking OFF switch is not pressed.
- Vehicle speed is greater than about 15 km/h (10 mph).
- The speed at which your vehicle is approaching the obstacle or the vehicle running ahead of you is greater than about 15 km/h (10 mph).

■ **Conditions that may trigger the system even if there is no possibility of a collision**

- When there is an object by the roadside at the entrance to a curve
- When passing an oncoming vehicle on a curve
- When driving over a narrow iron bridge
- When there is a metal object on the road surface
- When driving on an uneven road surface (nose-up, nose-down)
- When passing an oncoming vehicle on a right-turn (right-hand drive vehicles) or left-turn (left-hand drive vehicles)
- When your vehicle rapidly closes on the vehicle in front
- When a grade separation/interchange, sign, billboard, or other structure appears to be directly in the vehicle's line of travel
- When the steep angle of the road causes a metal object located beneath the road surface to be seen ahead of the vehicle
- When an extreme change in vehicle height occurs
- When the axis of the radar is out of adjustment
- When passing through certain toll gates
- When passing through an overpass

When the system is activated in the situations described above there is also a possibility that the seat belts will retract quickly and the brakes will be applied with a force greater than normal. When the seat belt is locked in the restricted position, stop the vehicle in a safe place, release the seat belt and refasten.

■ **Situations in which the pre-crash safety system does not function properly**

The system may not function effectively in situations such as the following:

- On roads with sharp bends or uneven surfaces
- If a vehicle suddenly moves in front of your vehicle, such as at an intersection
- If a vehicle suddenly cuts in front of your vehicle, such as when overtaking
- In inclement weather such as heavy rain, fog, snow or sand storms
- When your vehicle is skidding with the VSC system off
- When the axis of the radar is out of adjustment
- When an extreme change in vehicle height occurs

■ **When there is a malfunction in the system**

Warning lights and/or warning messages will turn on or flash. (→P. 616)

■ **Automatic cancelation of the pre-crash safety system**

When a malfunction occurs due to sensor contamination, etc. that results in the sensors being unable to detect obstacles, the pre-crash safety system will be automatically disabled. In this case, the system will not activate even if there is a collision possibility.

Certification

Hereby, DENSO CORPORATION declares that this DNMWR004 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Hér með lýsir DENSO CORPORATION yfir því að DNMWR004 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Con la presente DENSO CORPORATION dichiara che questo DNMWR004 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Käesolevaga kinnitab DENSO CORPORATION seadme DNMWR004 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Hierbij verklaart DENSO CORPORATION dat het toestel DNMWR004 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ DENSO CORPORATION ΔΗΛΩΝΕΙ ΟΤΙ DNMWR004 ΣΥΜΜΟΡΦΩΝ ΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Härmed intygar DENSO CORPORATION att denna DNMWR004 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Por medio de la presente DENSO CORPORATION declara que el DNMWR004 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
DENSO CORPORATION týmto vyhlasuje, že DNMWR004 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
DENSO CORPORATION izjavlja, da je ta DNMWR004 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
DENSO CORPORATION tímto prohlašuje, že tento DNMWR004 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Undertegnede DENSO CORPORATION erklærer herved, at følgende udstyr DNMWR004 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt DENSO CORPORATION, dass sich das Gerät DNMWR004 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
DENSO CORPORATION erklærer herved at utstyret DNMWR004 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Alulírott, DENSO CORPORATION nyilatkozom, hogy a DNMWR004 megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
DENSO CORPORATION vakuuttaa täten että DNMWR004 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Par la présente DENSO CORPORATION déclare que l'appareil DNMWR004 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Niniejszym DENSO CORPORATION oświadcza, że DNMWR004 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
DENSO CORPORATION declara que este DNMWR004 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, DENSO CORPORATION, jiddikjara li dan DNMWR004 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Ar šo, DENSO CORPORATION, deklarē, ka DNMWR004 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Šiuo DENSO CORPORATION deklaruoja, kad šis DNMWR004 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

CAUTION

■ **Handling the radar sensor**

Observe the following to ensure the pre-crash safety system can function effectively.

- Keep the sensor and grille cover clean at all time.
  Clean the sensor and grille cover with a soft cloth so you do not mark or damage them.
- Do not subject the sensor or surrounding area to a strong impact.
  If the sensor moves even slightly off position, the system may become inaccurate or malfunction. If the sensor or surrounding area is subject to a strong impact, always have the area inspected and adjusted by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- Do not disassemble the sensor.
- Do not attach accessories or stickers to the sensor, grille cover or surrounding area.
- Do not modify or paint the sensor and grille cover.

■ **Limitations of the pre-crash safety system**

Do not rely on the pre-crash safety system. Always drive safely, taking care to observe your surroundings and checking for any obstacles or other road hazards.
Failure to do so may cause an accident resulting in death or serious injury.

⚠ CAUTION

■ Cautions regarding the assist contents of the system

By means of alarms and brake control, the pre-crash safety system is intended to assist the driver in avoiding collisions through the process of LOOK-JUDGE-ACT. There are limits to the degree of assistance the system can provide, so please keep in mind the following important points.

- Assisting the driver in watching the road
  The pre-crash safety system is only able to detect obstacles directly in front of the vehicle, and only within a limited range. It is not a mechanism that allows careless or inattentive driving, and it is not a system that can assist the driver in low-visibility conditions. It is still necessary for the driver to pay close attention to the vehicle's surroundings.
- Assisting the driver in making correct judgment
  When attempting to estimate the possibility of a collision, the only data available to the pre-crash safety system is that from obstacles it has detected directly in front of the vehicle. Therefore, it is absolutely necessary for the driver to remain vigilant and to determine whether or not there is a possibility of collision in any given situation.
- Assisting the driver in taking action
  The pre-crash safety system's braking assist feature is designed to help reduce the severity of a collision, and so only acts when the system has judged that a collision is unavoidable. This system by itself is not capable of automatically avoiding a collision or bringing the vehicle to a stop safely. For this reason, when encountering a dangerous situation the driver must take direct and immediate action in order to ensure the safety of all involved.

Cargo and luggage

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

- Stow cargo and luggage in the trunk/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 trunk/luggage compartment

The following things may cause a fire if loaded in the trunk/luggage compartment.

- Receptacles containing gasoline
- Aerosol cans

CAUTION

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 clutch, 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)
  - Package tray (sedan)
  - Luggage cover (wagon)
  - Instrument panel
  - Dashboard
  - Auxiliary box or tray that has no lid
- 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 enlarged trunk or 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.

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 front tires.

  Ensure that all tires are the same size and brand, and that chains match the size of the tires.

■ **Before driving the vehicle**

Perform the following according to the driving conditions.

- Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.
- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- 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**

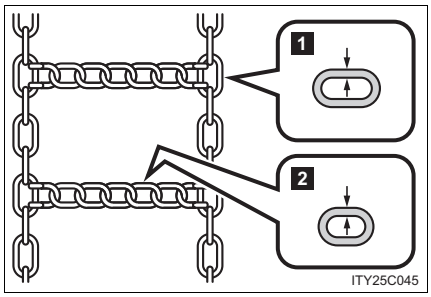
Accelerate the vehicle slowly and drive at a reduced speed suitable to road conditions.

■ **When parking the vehicle**

Park the vehicle and move the shift lever to “P” (Multidrive or automatic transmission) or “R” (manual transmission) without setting the parking brake. The parking brake may freeze up, preventing it from being released. If necessary, block the wheels to prevent inadvertent sliding or creeping.

Selecting tire chains

Use the correct tire chain size when mounting the tire chains.
Chain size is regulated for each tire size.



1 Side chain
(3.0 mm [0.12 in.] in diameter)

2 Cross chain
(4.0 mm [0.16 in.] in diameter)

Regulations on the use of tire 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 front tires.
- Retighten the chains after driving 0.5 - 1.0 km (1/4 - 1/2 mile).

Tire chains

Observe the following precautions when installing and removing chains.

- Install and remove tire chains in a safe location.
- Install tire chains on the front tires only. Do not install the chains on the rear tires.
- Install tire chains following the instructions provided in the accompanying manual.

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 tire inflation 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.

Driving with tire 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, as use of chains may adversely affect vehicle handling.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.

Trailer towing

The strain of towing a trailer will have a negative impact on the running performance, handling, fuel consumption and endurance of your vehicle. Use the vehicle features in the correct manner and operate the vehicle with care for safer driving and optimal comfort. Damage and/or malfunctions that occur as a result of towing performed for commercial purposes are not covered by the Toyota warranty.

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

Check the allowable towing capacity, GVM (Gross Vehicle Mass), MPAC (Maximum Permissible Axle Capacity), and permissible drawbar load before towing. (→P. 712)

Towing hitch/bracket

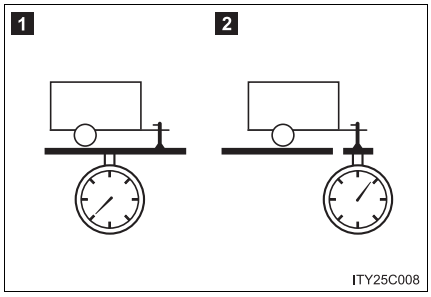
Toyota recommends the use of the Toyota hitch/bracket for your vehicle. Other products of a suitable nature and comparable quality may also be used.

To prevent an accident

The handling of the vehicle will feel different when towing a trailer. Beware of the 3 most common causes of towing-related accidents: driver error, excessive speed, and overloading.

Important points regarding trailer loads

Total trailer weight and permissible drawbar load



1 Total trailer weight

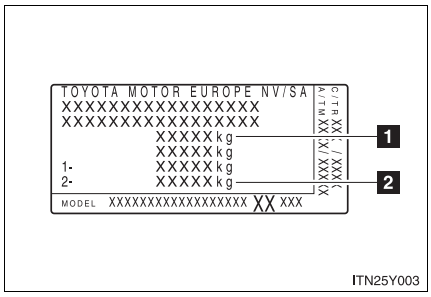
Weight of the trailer itself plus the trailer load should be within the maximum towing capacity. Exceeding this weight is dangerous. (→P. 712)

When the total trailer weight is greater than the vehicle weight, we recommend the use of a 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. (→P. 712)

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.

2 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.

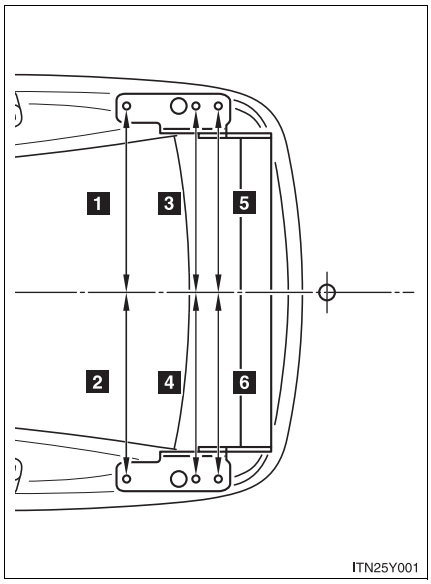
The values for towing capacity were derived from testing conducted at sea level. Take note that engine output and towing capacity will be reduced at high altitudes.

CAUTION

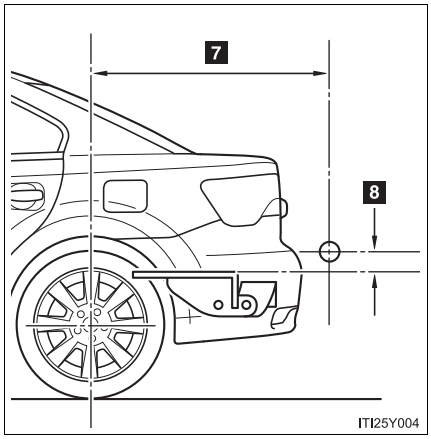
When the gross vehicle mass limit or maximum permissible axle capacity is exceeded

Do not exceed the established speed limit for towing a trailer in built-up areas or 80 km/h (50 mph), whichever is the lower.

Installation positions for the towing hitch/bracket and hitch ball



1 460.5 mm (18.1 in.)
2 460.5 mm (18.1 in.)
3 460.5 mm (18.1 in.)
4 460.5 mm (18.1 in.)
5 460.5 mm (18.1 in.)
6 460.5 mm (18.1 in.)



7 Sedan: 1111.1 mm (43.7 in.)
Wagon: 1175.5 mm (46.2 in.)
8 36.2 mm (1.4 in.)

■ **Tire information**

- Ensure that your vehicle's tires are properly inflated. (→P. 731)
- Increase the air pressure of the trailer tires in accordance with the total trailer weight and according to the values recommended by the manufacturer of your trailer.

■ **Trailer lights**

Check that the turn signal lights and stoplights are operating correctly every time you hitch up the trailer. Directly wiring up to your vehicle may damage the electrical system and stop the lights from functioning correctly.

■ **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 all bolts securing the hitching ball and bracket after towing for approximately 1000 km (600 miles).

Safety checks before towing

- Check that the maximum load limit for the towing hitch/bracket and hitch ball is not exceeded. Bear in mind that the coupling weight of the trailer will add to the load exerted on the vehicle. Also make sure that you will not be towing a load that exceeds the maximum permissible axle capacity.
- Ensure that the trailer load is secure.
- Supplementary outside rear view mirrors should be added to the vehicle if the traffic behind cannot be clearly seen with standard mirrors. Adjust the extending arms of these mirrors on both sides of the vehicle so that they always provide maximum visibility of the road behind.

NOTICE

When the rear bumper strengthening material is aluminum

Ensure the steel bracket part does not come directly in contact with that area.
When steel and aluminum come into contact, there is a reaction similar to corrosion, which will weaken the section concerned which may result in damage. Apply a rust inhibitor to parts that will come in contact when attaching a steel bracket.

Guidance

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

Checking connections between trailer and lights

Stop the vehicle and check the operation of the connection between the trailer and lights after driving for a brief period as well as before setting off.

Practicing driving with a coupled trailer

- Get the feel for turning, stopping and reversing with the trailer coupled by practicing in an area with no or light traffic.
- When reversing with a coupled trailer, hold the section of the steering wheel nearest to you and rotate clockwise to turn the trailer left or counterclockwise to turn right. Always rotate gradually to prevent steering error. Have someone guide you when reversing to lessen the risk of accident.

Increasing vehicle-to-vehicle distance

At a speed of 10 km/h (6 mph), the distance to the vehicle running ahead of you should be equivalent to or greater than the combined length of your vehicle and trailer. Avoid sudden braking that may cause skidding. Otherwise, the vehicle may spin out of control. This is especially true when driving on wet or slippery road surfaces.

■ **Sudden acceleration/steering input/cornering**

Executing sharp turns when towing may result in the trailer colliding with your vehicle. Decelerate well in advance when approaching turns and take them slowly and carefully to avoid sudden braking.

■ **Important points regarding turning**

The wheels of the trailer will travel closer to the inside of the curve than the wheels of the vehicle. To make allowance for this, take the turns wider than you would normally.

■ **Important points regarding stability**

Vehicle movement resulting from uneven road surfaces and strong crosswinds will affect handling. The vehicle may also be rocked by passing buses or large trucks. Frequently check behind when moving alongside such vehicles. As soon as such vehicle movement occurs, immediately start to decelerate smoothly by slowly applying the brakes. Always steer the vehicle straight ahead while braking.

■ **Passing other vehicles**

Consider the total combined length of your vehicle and trailer, and ensure that the vehicle-to-vehicle distance is sufficient before executing lane changes.

■ **Transmission information**

▶ Multidrive or automatic transmission
To maintain engine braking efficiency, when using engine braking, do not use the transmission in “D”. Select an appropriate gear in “M” mode.

▶ Manual transmission
To maintain engine braking efficiency, when using engine braking, do not use the transmission in “6”.

■ **If the engine overheats...**

Towing a loaded trailer up a long steep incline in temperatures exceeding 30°C (85°F) may result in the engine overheating. If the engine coolant temperature gauge indicates that the engine is overheating, turn the air conditioning off immediately, leave the road and stop the vehicle in a safe place. (→P. 702)

■ **When parking the vehicle**

Always place wheel chocks under the wheels of both the vehicle and trailer. Firmly set the parking brake and shift the shift lever to “P” for Multidrive or automatic transmission, and “1” or “R” for manual transmission.

CAUTION

■ **Vehicle speed in towing**

Observe the legal maximum speeds for trailer towing.

■ **Before descending hills or long declines**

Reduce speed and downshift. However, never downshift suddenly while descending steep or long downhill grades.

■ **Operation of the brake**

Do not hold the brake pedal depressed often or for long periods.
Doing so may result in the brake overheating or reduce braking effects.

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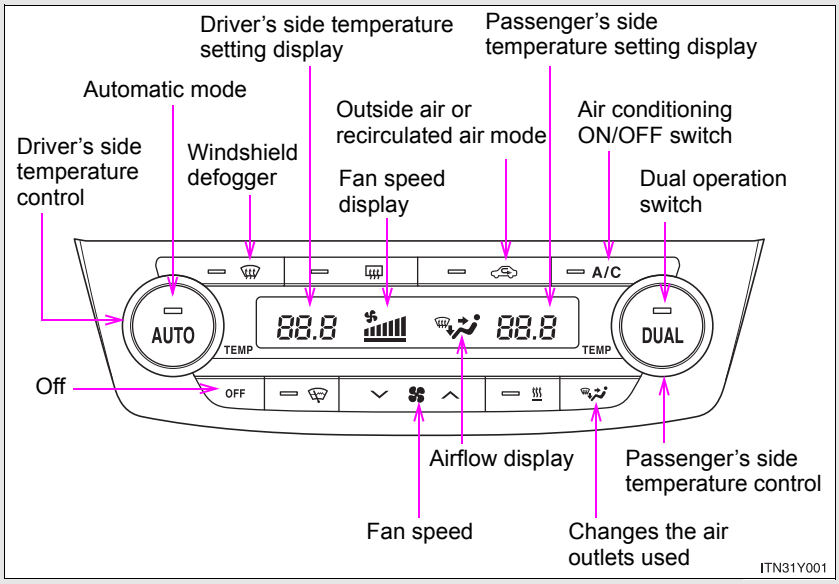
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Automatic air conditioning system*

Airflow and outlets are automatically adjusted according to the temperature setting.

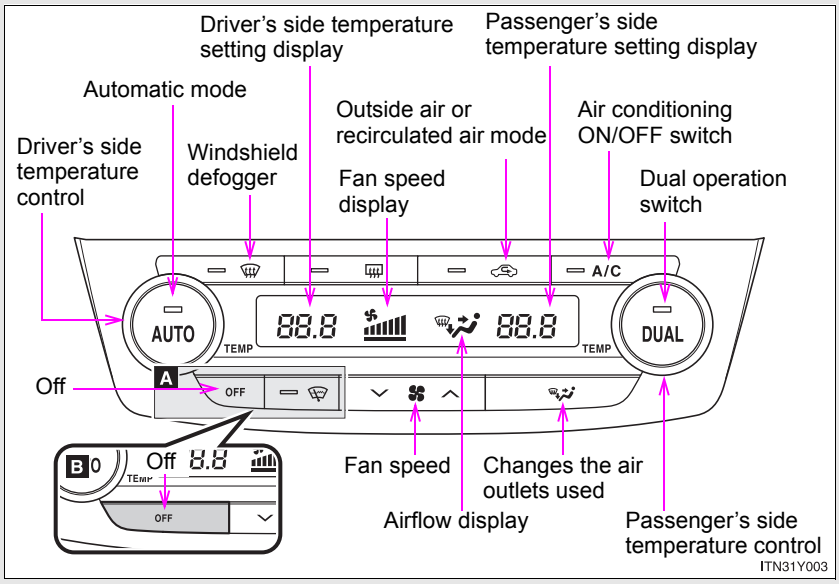
▶ Vehicles with power heater



The above illustration is for a left-hand drive vehicle. The button positions are reversed for right-hand drive vehicles.

*: If equipped

▶ Vehicles without power heater



A Vehicles with windshield wiper de-icer

B Vehicles without windshield wiper de-icer

The above illustration is for a left-hand drive vehicle. The button positions are reversed for right-hand drive vehicles.

Using the automatic mode

STEP 1 Press 

.

The air conditioning system will begin to operate. Air outlets and fan speed are automatically adjusted according to the temperature setting.

STEP 2 Turning 

to the right increases the temperature and turning 

to the left decreases the temperature on the driver's side.

The temperature for the driver's and front passenger's seats can be set separately.

Adjusting the settings

■ Adjusting the temperature setting

Turning  to the right increases the temperature and turning  to the left decreases the temperature on the driver's side.

The air conditioning system switches between dual and simultaneous modes each time  is pressed.

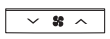
Turning  to the right increases the temperature and turning  to the left decreases the temperature on the passenger's side.

Operating the passenger's side temperature control will enter dual mode.

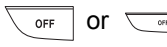
Dual mode (the indicator on  is on): The temperature for the driver's seat and front passenger's seat can be adjusted separately.

Simultaneous mode (the indicator on  is off): Only  can be used to adjust the temperature for all seats.

■ Adjusting the fan speed

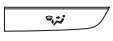
Press "∨" (decrease) or "∧" (increase) on  .

The fan speed is shown on the display. (7 levels)

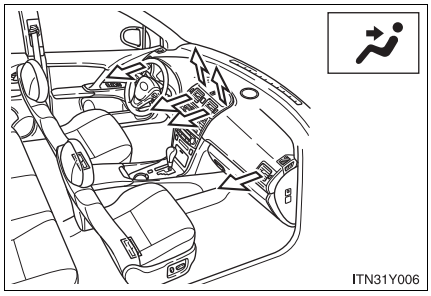
Press  or  to turn the fan off.

■ Changing the air outlets

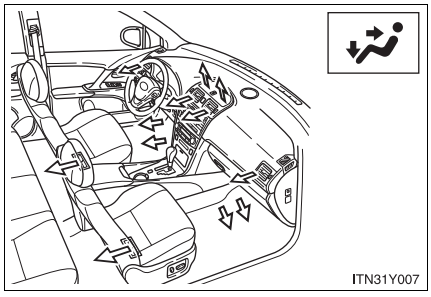


Press  or  .

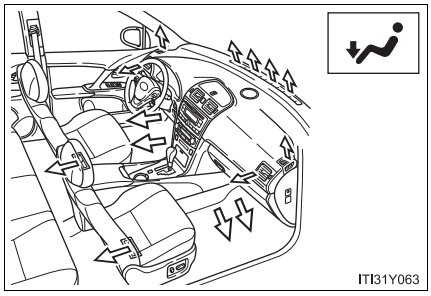
The air outlets switch each time the button is pressed.



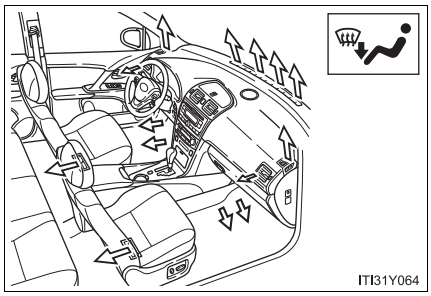
Air flows to the upper body.



Air flows to the upper body and feet.



Mainly air flows to the feet.



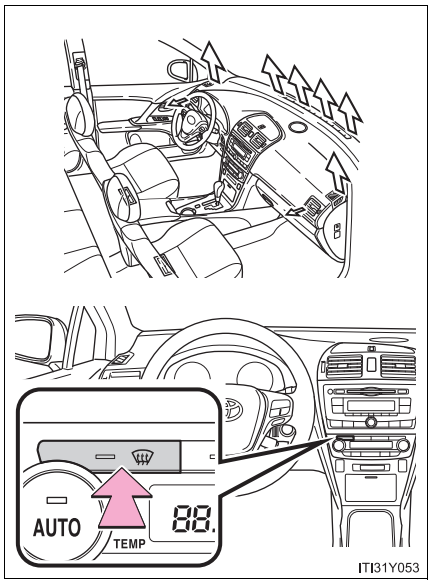
Air flows to the feet and the windshield defogger operates.

■ **Switching between outside air and recirculated air modes**

Press  .

The mode switches between outside air mode (indicator off) and recirculated air mode (indicator on) each time the button is pressed.

Defogging the windshield



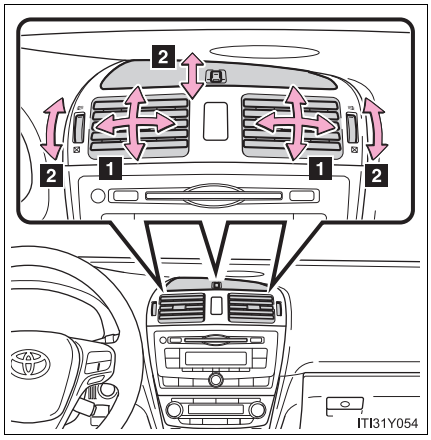
Press  .

The air conditioning system control operates automatically.

If the outside temperature is 5°C (41°F) or below, recirculated air mode will automatically switch to outside air mode.

Adjusting the position and opening and closing the air outlets

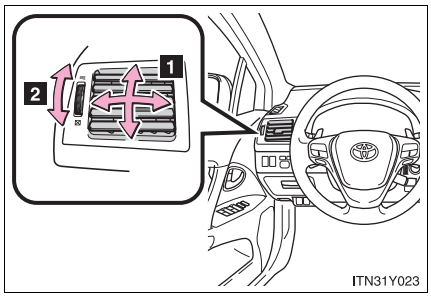
▶ Center outlets



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

2 Turn the knob to open or close the vent.

▶ Right and left side outlets



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

2 Turn the knob to open or close the vent.

■ **Using the automatic mode**

Fan speed is adjusted automatically in accordance with the temperature setting and ambient conditions. As a result, the following may occur.

- Immediately after 

is pressed, the fan may stop for a while until warm or cool air is ready to flow.
- Cool air may flow to the area around the upper body when the heater is on.

■ **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.

■ **Switching between outside air and recirculated air modes**

Recirculated air mode or outside air mode may be automatically switched to in accordance with the temperature setting and the inside temperature.

■ **Window defogger feature**

Recirculated air mode may automatically switch to outside air mode in situations where the windows need to be defogged.

■ **When outside temperature approaches 0°C (32°F)**

The air conditioning system may not operate even when 

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 control dial.

Air conditioning odors

- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:
  - It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.
  - The start timing of the blower may be delayed for a short period of time immediately after the air conditioning system is started in AUTO mode.

CAUTION

To prevent the windshield from fogging up

Do not use  during cool air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.

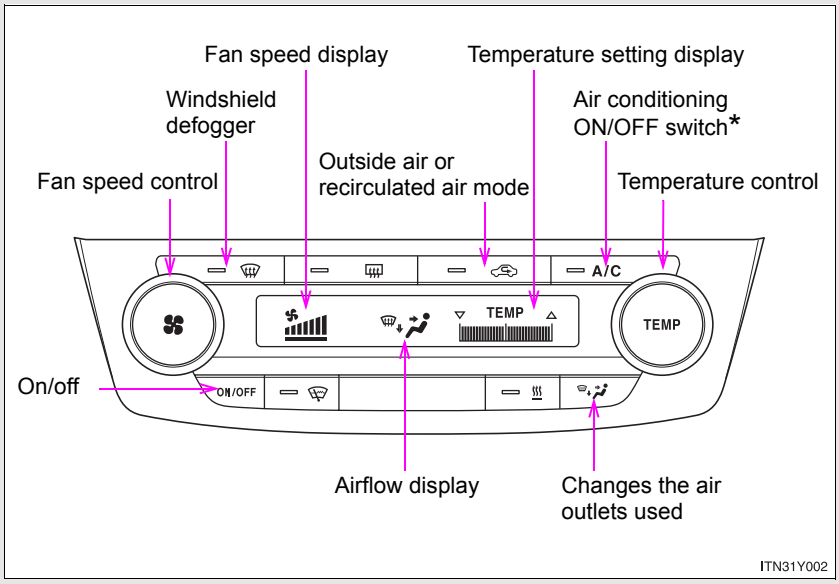
NOTICE

To prevent battery discharge

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

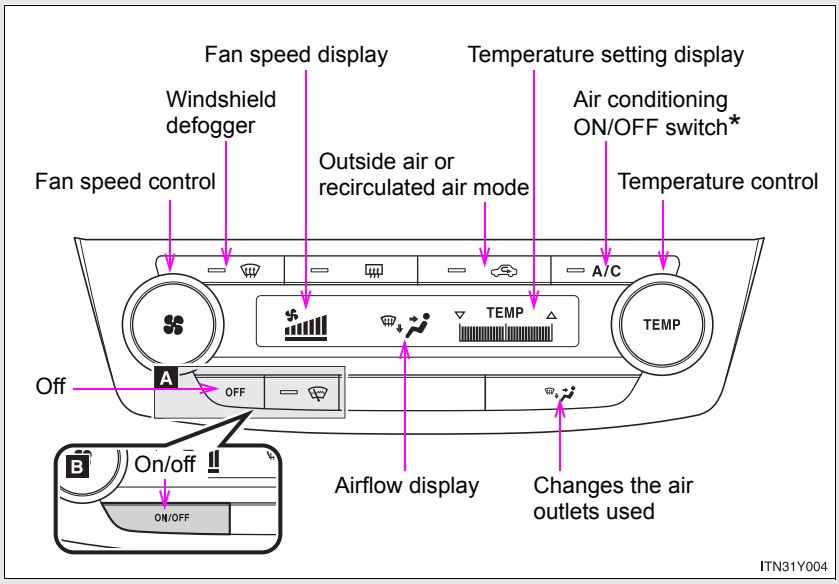
Manual air conditioning system*

▶ Vehicles with power heater



*: If equipped

▶ Vehicles without power heater



A Vehicles with windshield wiper de-icer

B Vehicles without windshield wiper de-icer

*: This switch is also installed on vehicles that do not have an air conditioning system. Even though the switch indicator will start to blink when the button is pressed, no system will operate.

Adjusting the settings

■ Adjusting the temperature setting (vehicles with air conditioning system)

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

If A/C is not pressed, the system will blow ambient temperature air or heated air.

■ Adjusting the temperature setting (vehicles without air conditioning system)

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

This system will supply only ambient temperature air if the dial is turned to counterclockwise (cool).

■ Adjusting the fan speed

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

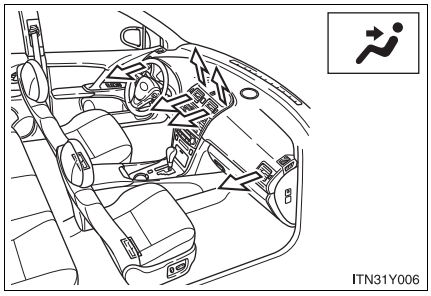
Press OFF, ON/OFF or ON/OFF to turn the fan off.

■ Selecting the air outlets

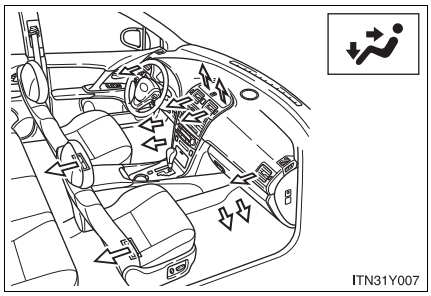


Press or .

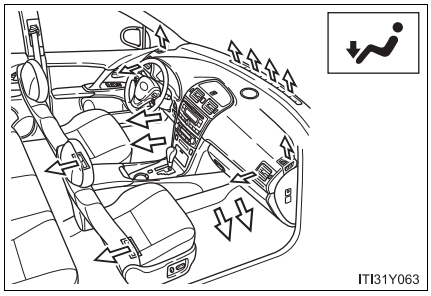
The air outlets switch each time the button is pressed.



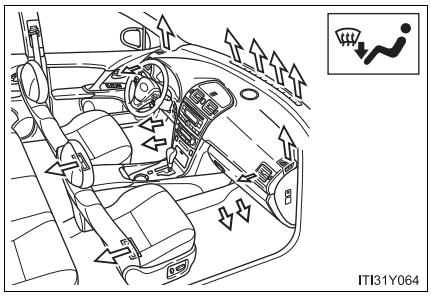
Air flows to the upper body.



Air flows to the upper body and feet.



Mainly air flows to the feet.



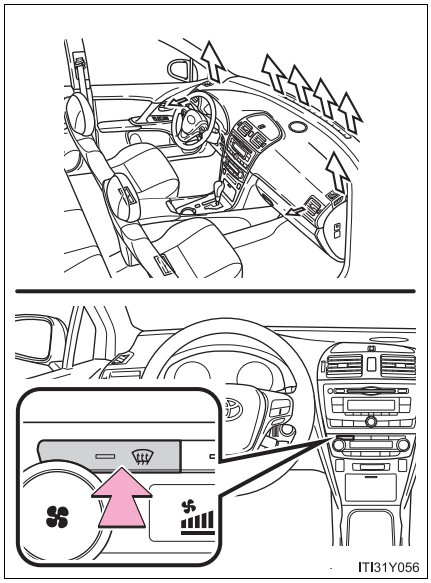
Air flows to the feet and the windshield defogger operates.

■ Switching between outside air and recirculated air modes

Press  .

The mode switches between outside air mode (indicator off) and recirculated air mode (indicator on) each time the button is pressed.

Defogging the windshield

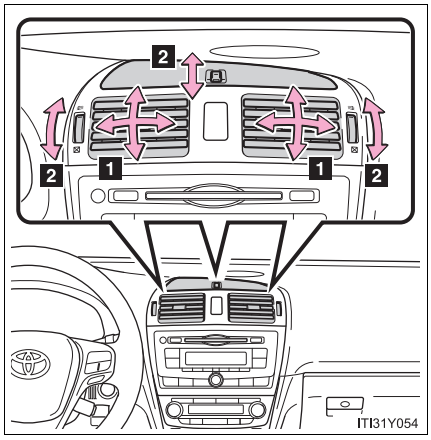


Press  .

Recirculated air mode will automatically switch to outside air mode.

Adjusting the position of and opening and closing the air outlets

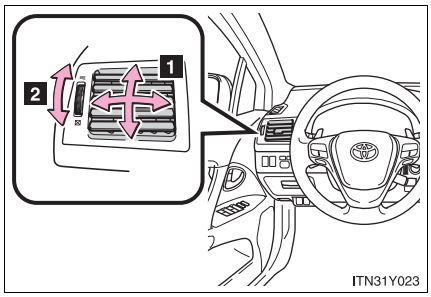
▶ Center outlets



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

2 Turn the knob up to open the vent and down to close the vent.

▶ Right and left side outlets



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

2 Turn the knob up to open the vent and down to 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) (vehicles with air conditioning system)**

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 control dial.

■ **Air conditioning odors**

- 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 use  during cool air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.

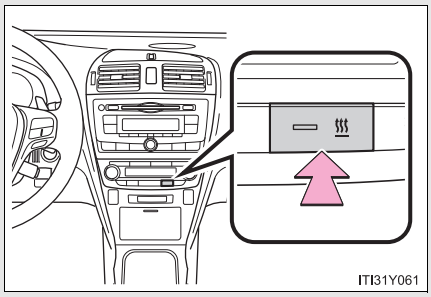
NOTICE

■ To prevent battery discharge

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

Power heater*

This feature is used to keep the cab warm in cold conditions.



On/off

The power heater turns on about 30 seconds after you press the switch and it takes about another 55 seconds to warm up.

■ Power heater can be operated when

- The engine is running.
- The outside temperature is low.
- The engine coolant temperature is low.

■ Normal characteristics of power heater operation

The following cases do not indicate a malfunction.

- When the power heater is turned on or off, some white smoke and a slight odor may be emitted from the power heater exhaust that is located under the floor.
- When the power heater is being used under extremely cold conditions, vapor may be visible from its exhaust.
- When the power heater is turned off, you may hear a sound in the engine compartment for about 2 minutes until the power heater turns off completely.

*: If equipped

■ **After the heater is off**

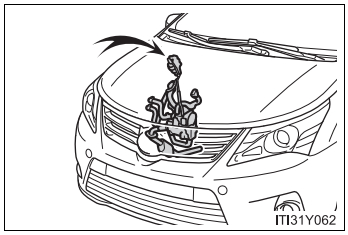
We recommend not restarting the heater for 10 minutes after you turn it off. Otherwise, a noise may be heard as the heater ignites.

■ **When refueling your vehicle**

The engine must be turned OFF. Turning the engine OFF turns the power heater off.

⚠ CAUTION

■ **To prevent burns or damage on your vehicle**



- Do not touch the heater or its exhaust pipe as they are hot. You may burn yourself.
- Keep flammable items such as fuel away from the heater and its exhaust pipe. This may cause a fire.

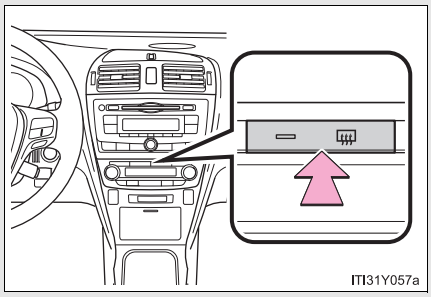
NOTICE

To prevent damage to your vehicle

- Do not turn the heater on and off repeatedly in 5 minute intervals as this can shorten the life of the heater components. If the engine must be turned on and off repeatedly within short intervals (such as when the vehicle is being used for delivery purposes), turn the heater off.
- Do not modify or open the heater without consulting any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. This may cause a heater malfunction or a fire.
- Be careful not to splash water or spill liquid directly on the heater or on the heater fuel pump. This may cause the heater to malfunction.
- Keep the intake and exhaust pipes of the heater free from water, snow, ice, mud, etc. If the pipes become clogged, this can cause the heater to malfunction.
- If you notice anything unusual, such as a fluid leak, smoke or poor operation, turn off the heater and have your vehicle checked by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Rear window and outside rear view mirror defoggers

Clear the rear window using the defogger. (Turning the rear window defogger on will turn the outside rear view mirror defoggers on. The outside rear view mirror is used to remove raindrops, dew and frost from the outside rear view mirrors.)



On/off

The defoggers will automatically turn off after approximately 15 minutes. Pressing the switch again also turns the rear window defogger off.

■ **The rear window and outside rear view mirror defoggers can be operated when**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position.

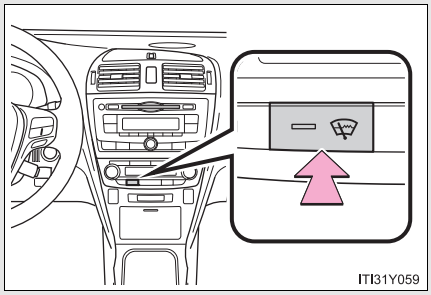
⚠ CAUTION

■ **When the outside rear view mirror defoggers are on**

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

Windshield wiper de-icer*

This feature is used to prevent ice from building up on the windshield and wiper blades.



On/off

The windshield wiper de-icer will automatically turn off after approximately 15 minutes. Pressing the switch again also turns the de-icer off.

■ **The windshield wiper de-icer can be operated when**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position.

⚠ CAUTION

■ **When the windshield wiper de-icer is on**

Do not touch the glass at the lower part of the windshield or to the side of the front pillars as the surfaces can become very hot and burn you.

*: If equipped

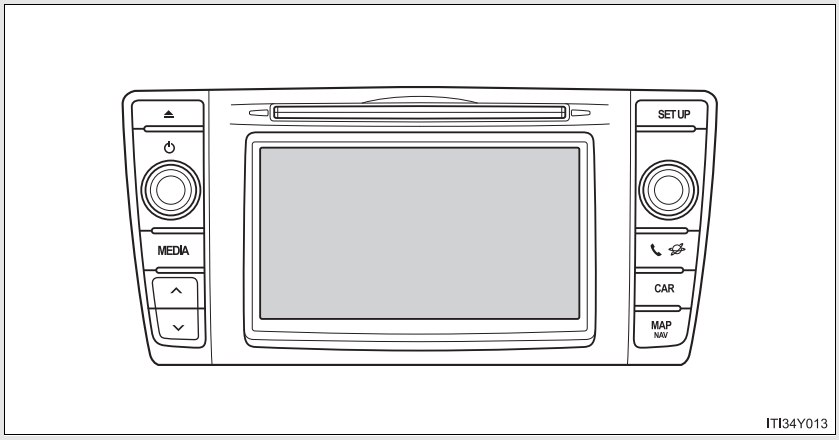
Audio system types*

▶ Vehicles with a “touch screen”

Owners of models equipped with a “touch screen” should refer to the ““touch screen” Owner’s Manual”.

For the below items, refer to the according page.

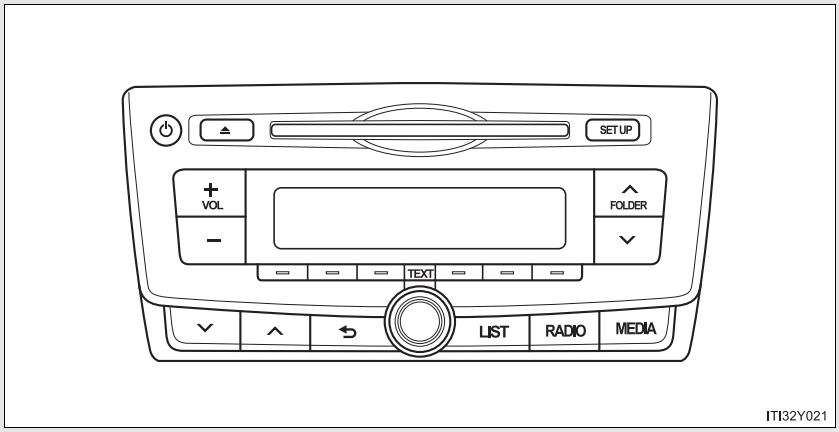
- Using a USB port: →P. 418
- Using an AUX port: →P. 430



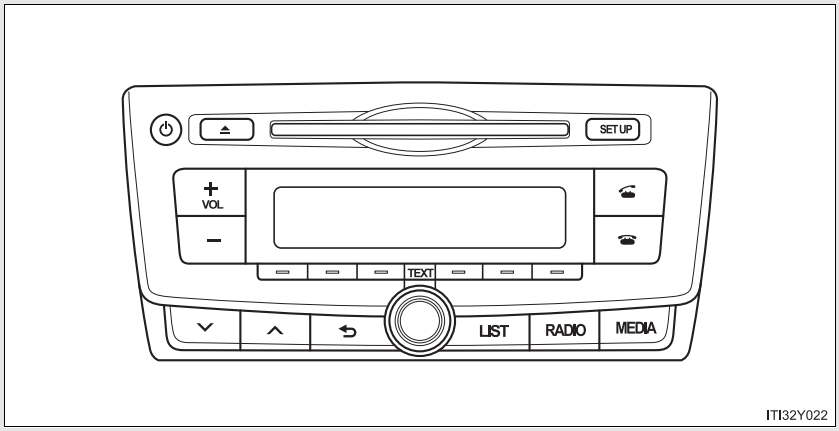
*: If equipped

▶ Vehicles without a “touch screen”
CD player and AM/FM radio

Type A

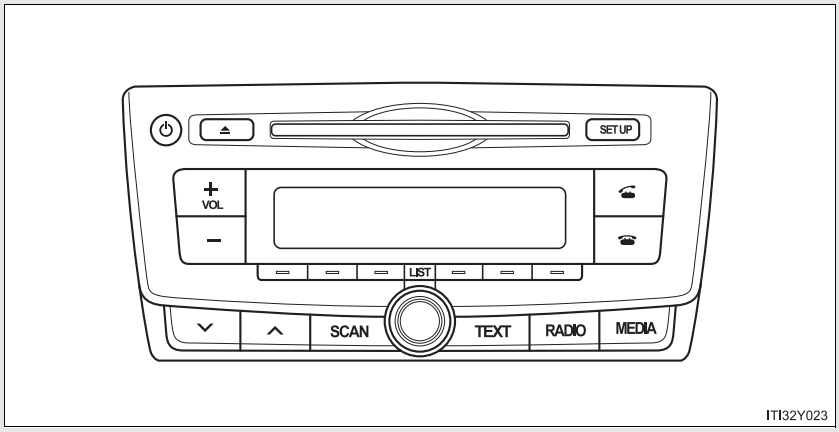


Type B



ITI32Y022

Type C



ITI32Y023

Title	Page
Using the radio	P. 383
Using the CD player	P. 390
Playing back MP3 and WMA discs	P. 398
Operating an iPod	P. 408
Operating a USB memory	P. 418
Optimal use of the audio system	P. 428
Using the AUX port	P. 430
Using the steering wheel audio switches	P. 431

■ **Using cellular phones**

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

■ Certification for the Bluetooth® (vehicles with a “touch screen”)

Panasonic Corporation
Automotive Systems Company
4261 Ikonobe-Cho, Tsuzuki-Ku, Yokohama 224-8520 Japan

DECLARATION of CONFORMITY

We, **Panasonic Corporation Automotive Systems Company**
4261 Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa 224-8520 Japan

declare under our sole responsibility that the product:

Product : Bluetooth Module Assy

Model/Type : YEAP01A046 / YEAP01A049 / YEAP01A112

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC).
The product is in conformity with the following standards:

RADIO : EN 300 328 V1.7.1: 2006-10

EMC : EN 301 489-1 V1.8.1: 2008-04
EN 301 489-3 V1.4.1: 2002-08
EN 301 489-17 V2.1.1: 2009-05

SAFETY : EN 60950-1: 2006 + Amd.11: 2009

CE

Date : August 24, 2010

Signature : K. Terai

Name : Kimito Terai

Title : Staff Engineer

Hereby, Panasonic Corporation Automotive Systems Company, declares that this YEAP01A046 / YEAP01A049 / YEAP01A112 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Panasonic Corporation Automotive Systems Company vakuuttaa täten että YEAP01A046 / YEAP01A049 / YEAP01A112 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart Panasonic Corporation Automotive Systems Company dat het toestel YEAP01A046 / YEAP01A049 / YEAP01A112 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Par la présente Panasonic Corporation Automotive Systems Company déclare que l'appareil YEAP01A046 / YEAP01A049 / YEAP01A112 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Härmed intygar Panasonic Corporation Automotive Systems Company att denna YEAP01A046 / YEAP01A049 / YEAP01A112 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede Panasonic Corporation Automotive Systems Company erklærer herved, at følgende udstyr YEAP01A046 / YEAP01A049 / YEAP01A112 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt Panasonic Corporation Automotive Systems Company, dass sich das Gerät YEAP01A046 / YEAP01A049 / YEAP01A112 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Panasonic Corporation Automotive Systems Company ΔΗΛΩΝΕΙ ΟΤΙ YEAP01A046 / YEAP01A049 / YEAP01A112 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Con la presente Panasonic Corporation Automotive Systems Company dichiara che questo YEAP01A046 / YEAP01A049 / YEAP01A112 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente Panasonic Corporation Automotive Systems Company declara que el YEAP01A046 / YEAP01A049 / YEAP01A112 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Panasonic Corporation Automotive Systems Company declara que este YEAP01A046 / YEAP01A049 / YEAP01A112 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, Panasonic Corporation Automotive Systems Company, jiddikjara li dan YEAP01A046 / YEAP01A049 / YEAP01A112 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Käesolevaga kinnitab Panasonic Corporation Automotive Systems Company seadme YEAP01A046 / YEAP01A049 / YEAP01A112 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Alulírott, Panasonic Corporation Automotive Systems Company nyilatkozom, hogy a YEAP01A046 / YEAP01A049 / YEAP01A112 megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
Panasonic Corporation Automotive Systems Company týmto vyhlasuje, že YEAP01A046 / YEAP01A049 / YEAP01A112 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Panasonic Corporation Automotive Systems Company tímto prohlašuje, že tento YEAP01A046 / YEAP01A049 / YEAP01A112 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Panasonic Corporation Automotive Systems Company izjavlja, da je ta YEAP01A046 / YEAP01A049 / YEAP01A112 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Šiuo Panasonic Corporation Automotive Systems Company deklaruoja, kad šis YEAP01A046 / YEAP01A049 / YEAP01A112 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Ar šo Panasonic Corporation Automotive Systems Company deklarē, ka YEAP01A046 / YEAP01A049 / YEAP01A112 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Niniejszym Panasonic Corporation Automotive Systems Company oświadcza, że YEAP01A046 / YEAP01A049 / YEAP01A112 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Hér með lýsir Panasonic Corporation Automotive Systems Company yfir því að YEAP01A046 / YEAP01A049 / YEAP01A112 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Panasonic Corporation Automotive Systems Company erklærer herved at utsyret YEAP01A046 / YEAP01A049 / YEAP01A112 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
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About Bluetooth® (vehicles with a “touch screen”)



Bluetooth is a registered trademark of Bluetooth SIG, Inc.

NOTICE

To prevent battery discharge

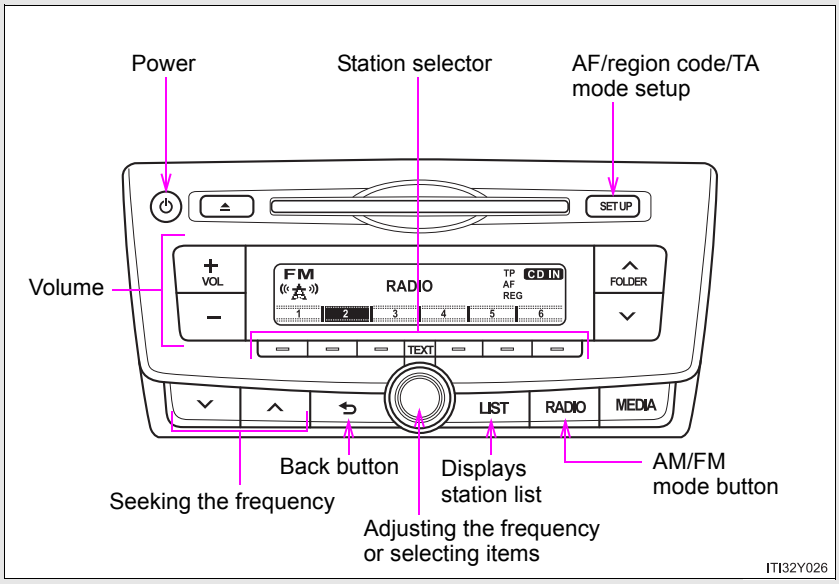
Do not leave the audio system on longer than necessary when the engine is stopped.

To avoid damaging the audio system

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

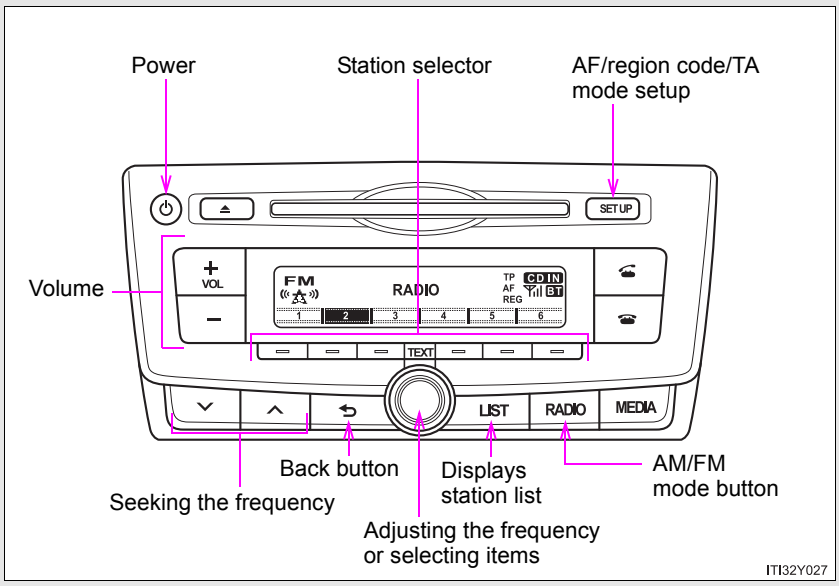
Using the radio*

▶ Type A

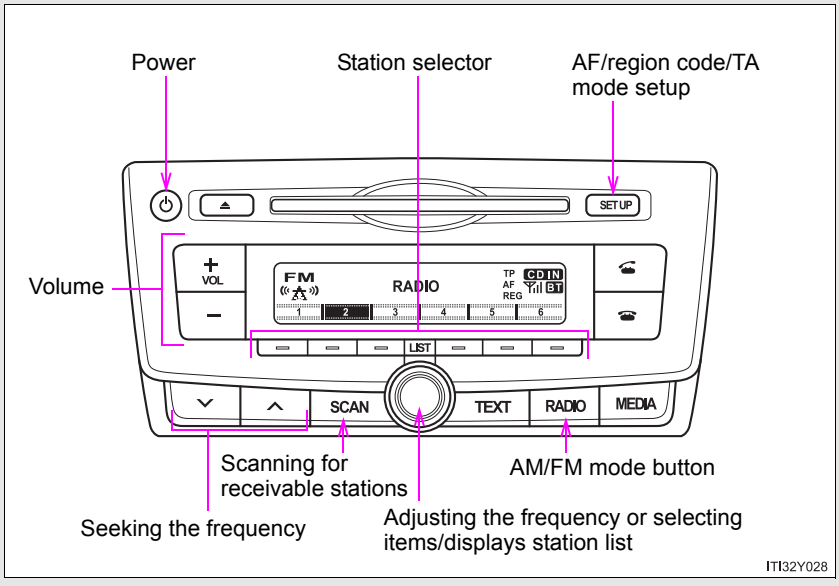


*: If equipped

▶ Type B


Power
Station selector
AF/region code/TA mode setup
Volume
SETUP
VOL
FM
RADIO
TP
AF
REG
CD IN
BT
TEXT
LIST
RADIO
MEDIA
Back button
Displays station list
AM/FM mode button
Seeking the frequency
Adjusting the frequency or selecting items
ITI32Y027

▶ Type C


Power
Station selector
AF/region code/TA mode setup
Volume
SETUP
VOL
FM
RADIO
TP
AF
REG
CD IN
BT
LIST
SCAN
TEXT
RADIO
MEDIA
Scanning for receivable stations
AM/FM mode button
Seeking the frequency
Adjusting the frequency or selecting items/displays station list
ITI32Y028

Setting station presets

STEP 1 Search for desired stations by turning  or pressing  or  .

STEP 2 Press and hold the button (from  [1] to  [6]) the station is to be set to until you hear a beep.

Scanning radio stations (type C only)

■ Scanning the preset radio stations

STEP 1 Press and hold  until you hear a beep.

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

■ Scanning all radio stations within range

STEP 1 Press  .

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

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

Using the station list

■ Updating the station list

STEP 1 Press LIST (type A and B) or  (type C).

The station list will be displayed.

STEP 2 Press [ ] [UPDATE] to update the list.

"Updating" is displayed while the searching is in process, and then available stations will be listed on the display.

To cancel the updating process, press ↩ (type A and B) or [ ] [BACK] (type C).

■ Selecting a station from the station list

STEP 1 Press LIST (type A and B) or  (type C).

The station list will be displayed.

STEP 2 Turn  to select a station.

STEP 3 Press  to tune in the station.

To return to the previous display, press ↩ (type A and B) or [ ] [BACK] (type C).

RDS (Radio Data System)

This feature allows your radio to receive station.

■ Listening to stations of the same network

STEP 1 Press SETUP.

STEP 2 Turn  to “RADIO” and press  .

STEP 3 Turn  as corresponds to the desired mode: “FM AF” or “Region code”.

STEP 4 Press  to select “ON” or “OFF”.

FM AF ON mode:	The station among those of the same network with strong reception is selected.
Region code ON mode:	The station among those of the same network with strong reception and broadcasting the same program is selected.

■ **Traffic information**

STEP 1 Press SETUP.

STEP 2 Turn  to “RADIO” and press  .

STEP 3 Turn  to “FM TA” mode.

STEP 4 Press  to select “ON” or “OFF”.

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: The system automatically switches to traffic information when a broadcast with a traffic information signal is received. In FM modes, the system will be mute unless traffic information is being broadcast.

The audio system returns to the previous mode when the traffic information ends.

■ **EON (Enhanced Other Network) system (for traffic announcement function)**

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**

Stations presets are erased.

■ **Reception sensitivity**

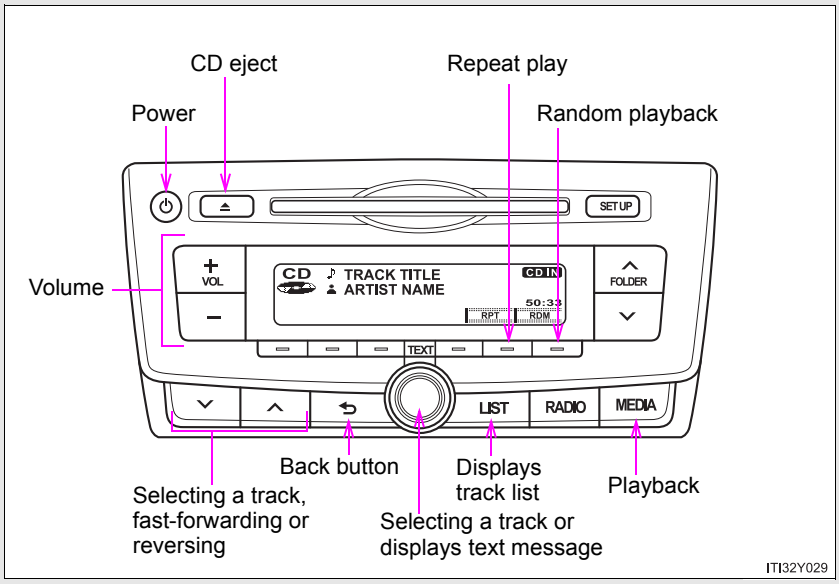
- Maintaining perfect radio reception at all times is difficult due to the continually changing position of the antenna, differences in signal strength and surrounding objects, such as trains, transmitters, etc.
- Sedan: The radio antenna is mounted inside the rear window. To maintain clear radio reception, do not attach metallic window tinting or other metallic objects to the antenna wire mounted inside the rear window.
- Wagon: The radio antennas are mounted inside the rear quarter window and on the rear roof. To maintain clear radio reception, do not attach metallic window tinting or other metallic objects to the antenna wire mounted inside the rear quarter window. The rear roof antenna can be removed from the base by turning.

■ **Digital Audio Broadcast (DAB) radio**

The optional radio antenna and tuner are necessary for the use of Digital Audio Broadcast (DAB) radio.

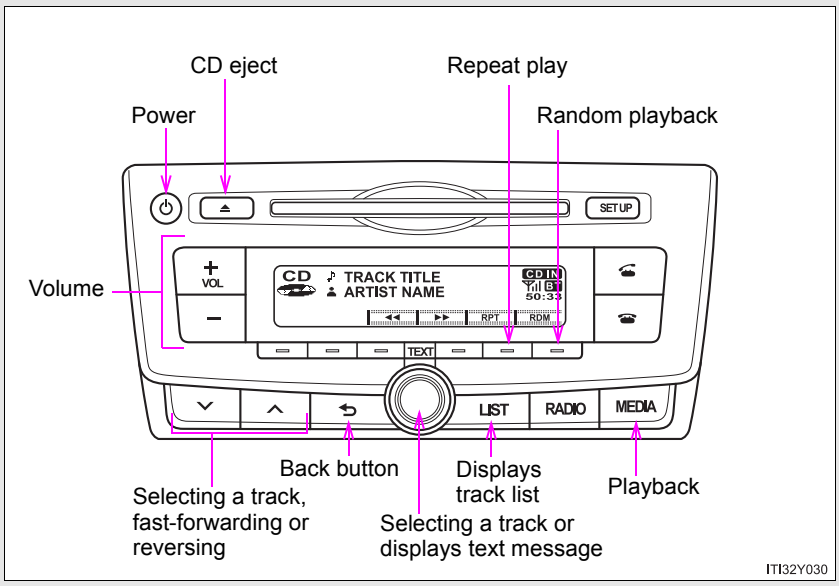
Using the CD player*

▶ Type A

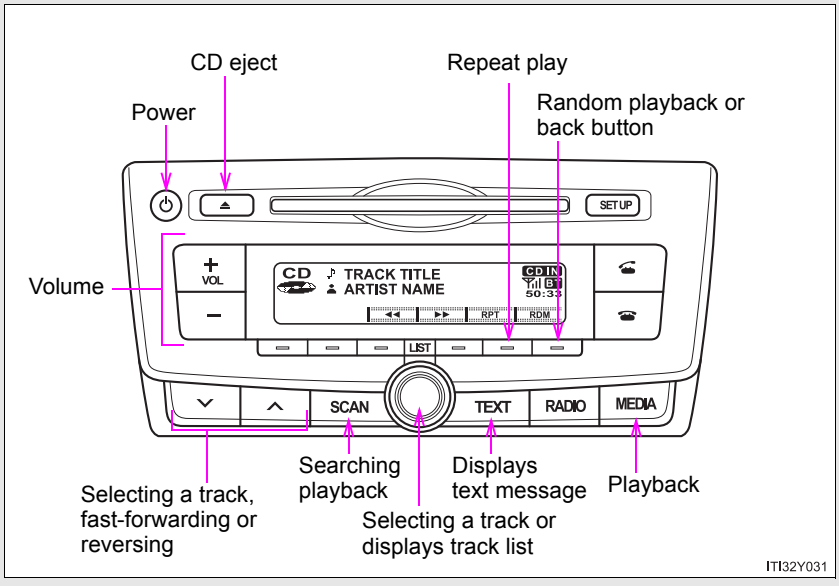


*: If equipped

▶ Type B


CD eject
Repeat play
Power
Random playback
SETUP
Volume
VOL
CD
TRACK TITLE
ARTIST NAME
CD IN
50:33
RPT
RDM
TEXT
LIST
RADIO
MEDIA
Back button
Displays track list
Playback
Selecting a track, fast-forwarding or reversing
Selecting a track or displays text message
ITI32Y030

▶ Type C


CD eject
Repeat play
Power
Random playback or back button
SETUP
Volume
VOL
CD
TRACK TITLE
ARTIST NAME
CD IN
50:33
RPT
RDM
LIST
SCAN
TEXT
RADIO
MEDIA
Searching playback
Displays text message
Playback
Selecting a track, fast-forwarding or reversing
Selecting a track or displays track list
ITI32Y031

Loading CDs

Insert a CD.

Ejecting CDs

Press ⏏ and remove the CD.

Selecting a track

Turn  or press ^ to move up or v to move down until the desired track number is displayed.

Selecting a track from a track list

STEP 1 Press LIST (type A and B) or  (type C).

The track list will be displayed.

STEP 2 Turn and press  to select a track.

To return to the previous display, press LIST or ⮌ (type A and B), or  or — [BACK] (type C).

Scanning track (type C only)

STEP 1 Press SCAN.

The first 10 seconds of each track will be played.

To cancel, press SCAN again.

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

Fast-forwarding and reversing tracks

To fast-forward or reverse, press and hold ⌄ or ⌃.

Random playback

Press [RDM].

To cancel, press [RDM] again.

Repeat play

Press [RPT].

To cancel, press [RPT] again.

Switching the display

Press  (type A and B) or 

(type C).

Track title, Artist name and CD title are shown on the display.

To return to the previous display, press  or  (type A and B), 

or  [BACK] (type C).

■ **Display**

Up to 24 characters can be displayed.

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 either in the CD or inside the player.

“CD CHECK”: The CD may be dirty, damaged or inserted up-side down.

“WAIT”: Operation has stopped due to a high temperature inside the player. Wait for a while and then press 

. If the CD still cannot be played back, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **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 play correctly.

■ **CD player protection feature**

To protect the internal components, playback is automatically stopped when a problem is detected while the CD player is being used.

■ **If a CD is left inside the CD player or in the ejected position for extended periods**

The CD may be damaged and may not play properly.

■ **Lens cleaners**

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

⚠ CAUTION

■ **Certification for the CD player**

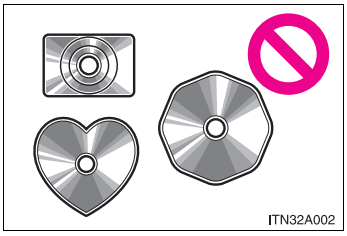
This product is a class I laser product.

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

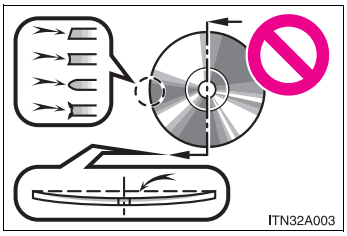
NOTICE

CDs and adapters that cannot be used

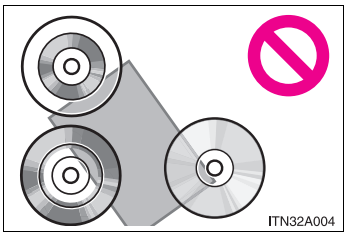
Do not use the following types of CDs.
Also, do not use 8 cm (3 in.) CD adapters, Dual Discs or printable discs.
Doing so may damage the player and/or the CD insert/eject function.



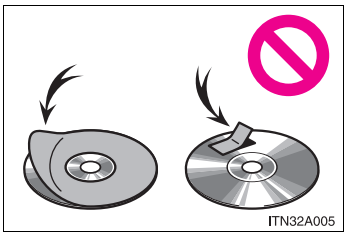
- CDs that have a diameter that is not 12 cm (4.7 in.)



- Low-quality and deformed CDs



- CDs with a transparent or translucent recording area



- CDs that have tape, stickers or CD-R labels attached to them, or that have had the label peeled off

NOTICE

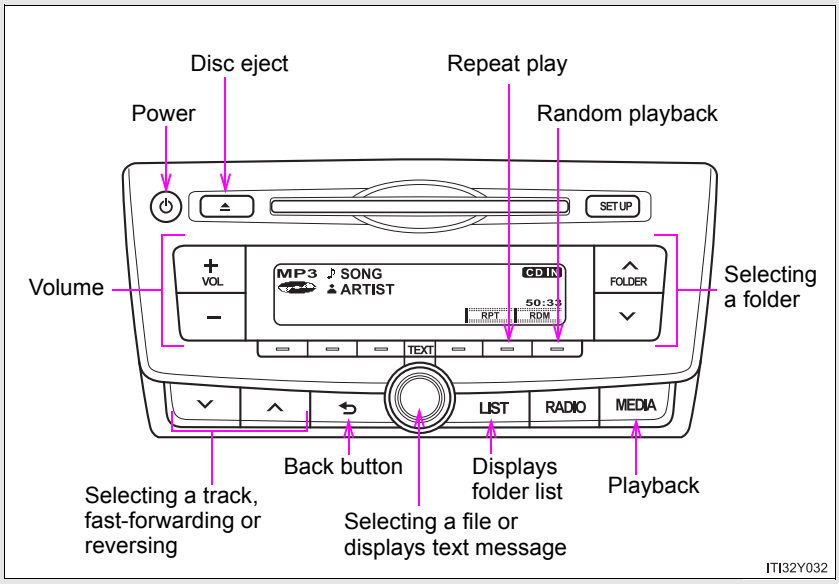
CD player precautions

Failure to follow the precautions below may result in serious damage to the CDs or the player itself.

- Do not insert anything other than CDs into the CD slot.
- Do not apply oil to the CD player.
- Store CDs away from direct sunlight.
- Never try to disassemble any part of the CD player.

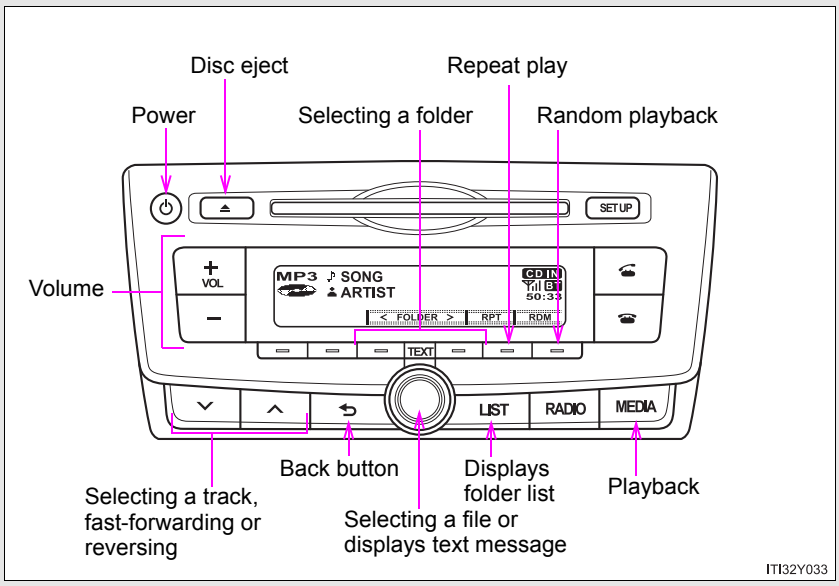
Playing back MP3 and WMA discs*

▶ Type A

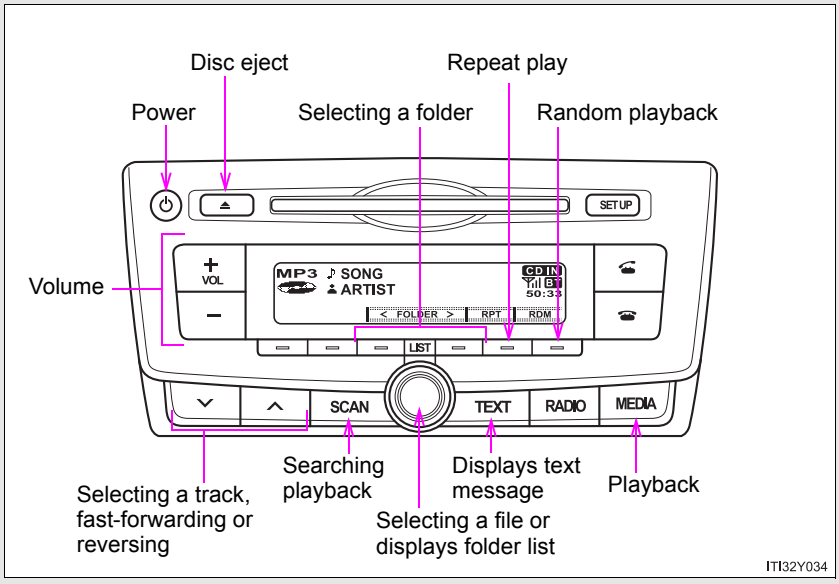


*: If equipped

▶ Type B


Disc eject
Repeat play
Power
Selecting a folder
Random playback
SETUP
Volume
VOL
MP3 SONG
ARTIST
CD IN
50:33
< FOLDER >
RPT
RDM
TEXT
LIST
RADIO
MEDIA
Back button
Displays folder list
Playback
Selecting a track, fast-forwarding or reversing
Selecting a file or displays text message
ITI32Y033

▶ Type C


Disc eject
Repeat play
Power
Selecting a folder
Random playback
SETUP
Volume
VOL
MP3 SONG
ARTIST
CD IN
50:33
< FOLDER >
RPT
RDM
LIST
SCAN
TEXT
RADIO
MEDIA
Searching playback
Displays text message
Playback
Selecting a track, fast-forwarding or reversing
Selecting a file or displays folder list
ITI32Y034

Loading and ejecting MP3 and WMA discs

→P. 390

Selecting a folder

■ Selecting folders one at a time

Press ^ FOLDER or ⌄ (type A), [<] or [>] (type B and C) to select the desired folder.

■ Selecting a folder and file from folder list

STEP 1 Press LIST (type A and B) or  (type C).

The folder list will be displayed.

STEP 2 Turn and press  to select a folder and a file.

To return to the previous display, press ⮌ (type A and B) or [BACK] (type C).

To exit, press LIST (type A and B) or  (type C).

■ Returning to the first folder

Press and hold ⌄ (type A) or [<] (type B and C) until you hear a beep.

Scanning a folder (type C only)

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 files

Turn  or press ⌄ or ⌃ to select the desired file.

Scanning the files in a folder (type C only)

STEP 1 Press SCAN .

The first 10 seconds of each file will be played.

STEP 2 When the desired file is reached, press SCAN once again.

Fast-forwarding and reversing files

To fast-forward or reverse, press and hold ⌄ or ⌃.

Random playback

Pressing [ ] [RDM] changes modes in the following order:
Folder random→Disc random→Off

Repeat play

Pressing [ ] [RPT] changes modes in the following order:
File repeat→Folder repeat*→Off

*: Available except when RDM (random playback) is selected

Switching the display

Press  (type A and B) or [TEXT] (type C).

Track title, Artist name and Album title (MP3 only) are shown on the display.

To return to the previous display, press  or [ ] (type A and B), or [TEXT] or [ ] [BACK] (type C).

■ **Display**

→P. 394

■ **Error messages**

“ERROR”:	This indicates a problem either in the CD or inside the player.
“CD CHECK”:	The CD may be dirty, damaged or inserted up-side down.
“NO SUPPORT”:	This indicates that the MP3/WMA file is not included in the CD.

■ **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.



■ **CD player protection feature**

To protect the internal components, playback is automatically stopped when a problem is detected while the CD player is being used.

■ **If a CD is left inside the CD player or in the ejected position for extended periods**

The CD may be damaged and may not play properly.

■ **Lens cleaners**

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

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 and to the media/formats recorded by them that can be used.

- 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, depending on the status of the CD-R or CD-RW. 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: ISO9660 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
- 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.

● Multi-sessions

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.

  If the discs contain a mixture of music data and MP3 or WMA format data, only music data can 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 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. and other countries.

⚠ NOTICE

■ **CDs and adapters that cannot be used (→P. 396)**

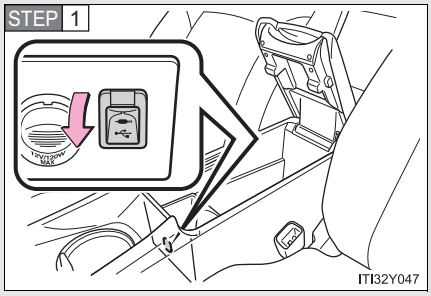
■ **CD player precautions (→P. 397)**

Operating an iPod*

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

■ Connecting an iPod

STEP 1



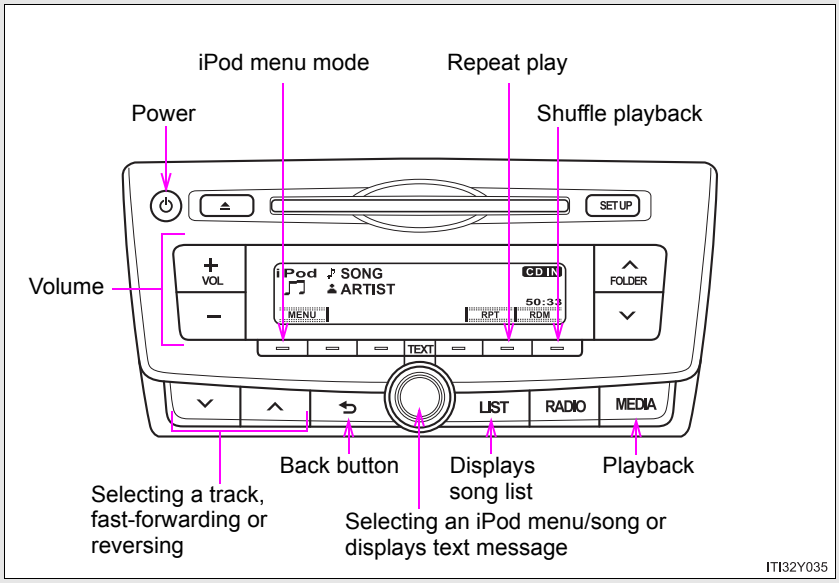
Open the cover and connect an iPod using an iPod cable.

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

STEP 2 Press MEDIA.

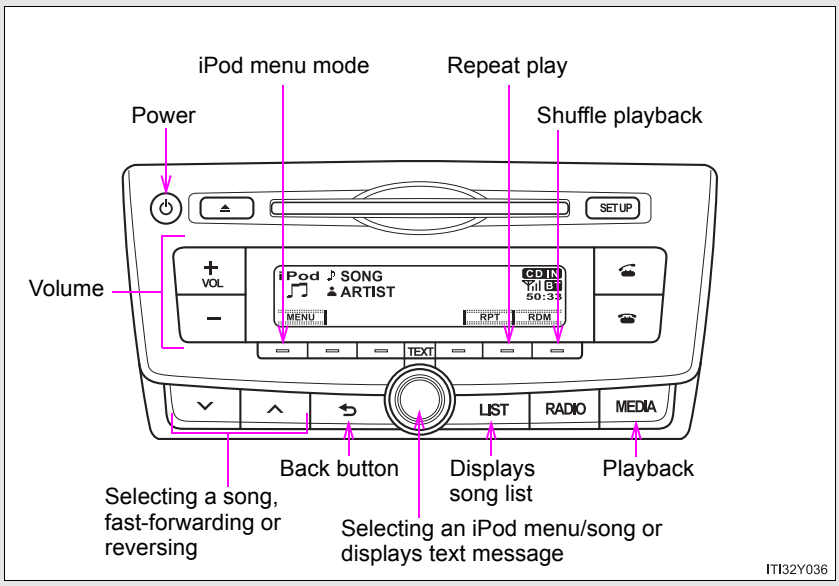
■ Control panel

▶ Type A

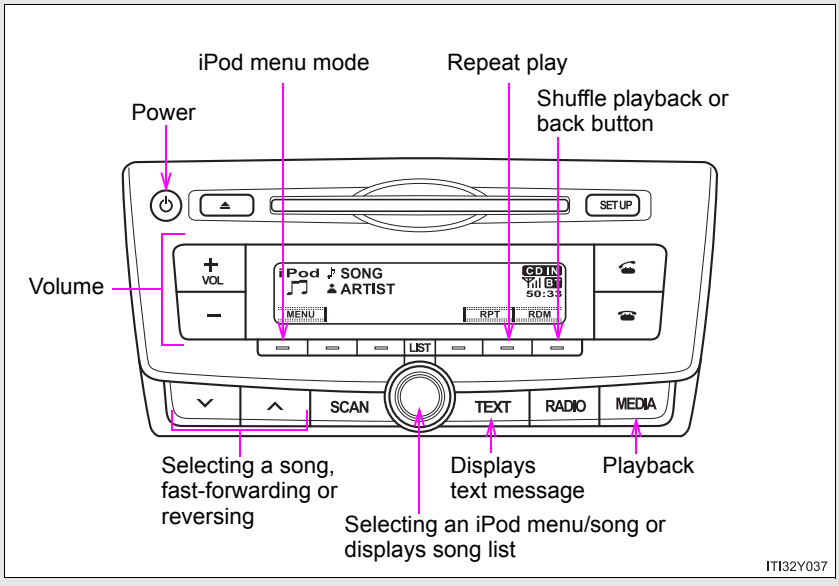


*: If equipped

▶ Type B


iPod menu mode
Repeat play
Power
Shuffle playback
Volume
SETUP
VOL
iPod ♪ SONG
ARTIST
CD IN
50:33
MENU
RPT
RDM
TEXT
LIST
RADIO
MEDIA
Back button
Displays song list
Playback
Selecting a song, fast-forwarding or reversing
Selecting an iPod menu/song or displays text message
ITI32Y036

▶ Type C


iPod menu mode
Repeat play
Power
Shuffle playback or back button
Volume
SETUP
VOL
iPod ♪ SONG
ARTIST
CD IN
50:33
MENU
RPT
RDM
LIST
SCAN
TEXT
RADIO
MEDIA
Displays text message
Playback
Selecting a song, fast-forwarding or reversing
Selecting an iPod menu/song or displays song list
ITI32Y037

Selecting a play mode

STEP 1 Press [ ] [MENU] to select iPod menu mode.

STEP 2 Turning  clockwise changes the play mode in the following order:

"Playlists"→"Artists"→"Albums"→"Songs"→"Podcasts"→"Genres"→"Composers"→"Audiobooks"

STEP 3 Press  to select the desired play mode.

■ **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”	Podcasts select	Episodes select	-	-
“Genres”	Genre select	Artists select	Albums select	Songs select
“Composers”	Composers select	Albums select	Songs select	-
“Audiobooks”	Audiobooks select	Chapter select	-	-

■ **Selecting a list**

STEP 1 Turn  to display the first selection list.

STEP 2 Press  to select the desired item.

Pressing the knob changes to the second selection list.

STEP 3 Repeat the same procedure to select the desired item.

To return to the previous selection list, press  (type A and B) or  [BACK] (type C).

Selecting songs

Turn  or press  or  to select the desired song.

Selecting a song from the song list

STEP 1 Press LIST (type A and B) or  (type C).

The song list will be displayed.

STEP 2 Turn  to select a song.

STEP 3 Press  to play the song.

To return to the previous display, press ⮌ (type A and B) or [BACK] (type C).

Fast-forwarding and reversing songs

Press and hold ⌄ or ⌃.

Repeat play

Press [RPT].

To cancel, press [RPT] again.

Shuffle playback

Pressing [ ] [RDM] changes modes in the following order:
Track shuffle→Album shuffle→Off.

Switching the display

Press  (type A and B) or  (type C).

Track title, Artist name and Album title are shown on the display.

To return to the previous display, press  or  (type A and B), or  or [ ] [BACK] (type C).

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. If a function is unavailable due to a malfunction (as opposed to a system specification), disconnecting the device and reconnecting it once again may resolve the problem.
- While connected to the system, the iPod cannot be operated with its own controls. It is necessary to use the controls of the vehicle's audio system instead.

■ **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. 394

■ **Error messages**

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

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

"NO PLAYLIST": This indicates that some available songs are not found in a selected playlist.

"UPDATE YOUR iPOD": 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. 1.3.0
iPod nano	1st generation	Ver. 1.3.1
	2nd generation	Ver. 1.1.3
	3rd generation	Ver. 1.1.3
	4th generation	Ver. 1.0.4
	5th generation	Ver. 1.0.2
	6th generation	Ver. 1.0.0
iPod touch	1st generation	Ver. 3.1.3
	2nd generation	Ver. 3.1.3
		Ver. 4.2.1
	Late 2009 (8 GB)	Ver. 3.1.3
		Ver. 4.2.1
	3rd generation (32 GB/64 GB)	Ver. 3.1.3
		Ver. 4.2.1
	4th generation	Ver. 4.2.1
iPod classic	1st generation	Ver. 1.1.2
	2nd generation (120 GB)	Ver. 2.0.1
	Late 2009 (160 GB)	Ver. 2.0.4
iPhone	1st generation (iPhone)	Ver. 3.1.3
	2nd generation (iPhone 3G)	Ver. 3.1.3
		Ver. 4.2.1
	3rd generation (iPhone 3GS)	Ver. 3.1.3
		Ver. 4.2.1
	4th generation (iPhone 4)	Ver. 4.2.1

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.
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: 65535
- Maximum number of songs per list: 65535

CAUTION

Caution while driving

Do not connect iPod or operate the controls.
Doing so may cause an accident, resulting in death or serious injury.

NOTICE

To prevent damage to iPod

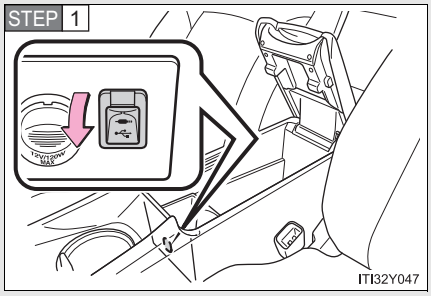
- Do not leave iPod in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the iPod.
- Do not push down on or apply unnecessary pressure to the iPod while it is connected as this may damage the iPod or its terminal.
- Do not insert foreign objects into the port as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

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.

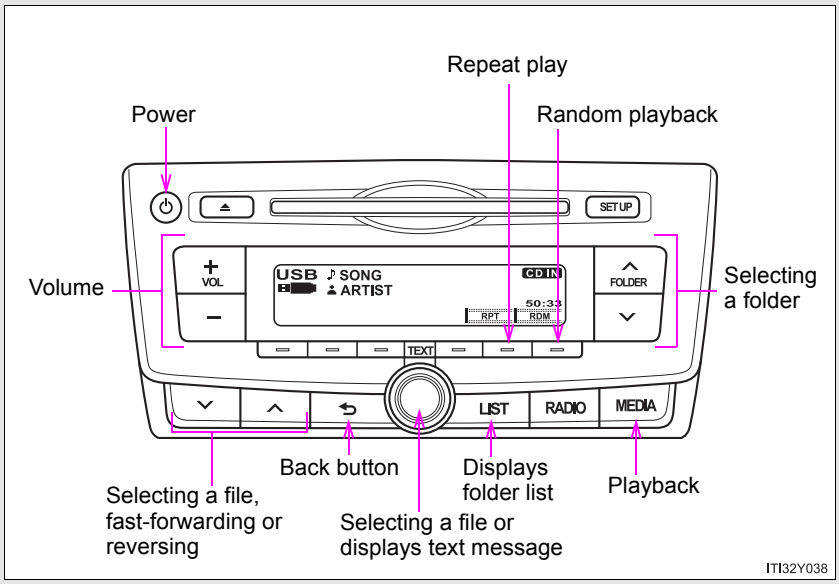
Turn on the power of the USB memory if it is not turned on.

STEP 2 Press MEDIA.

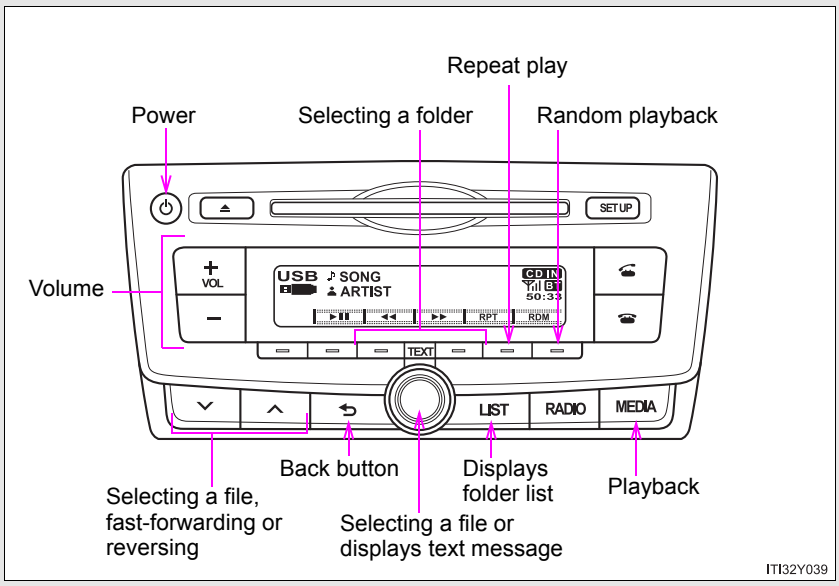
*: If equipped

■ Control panel

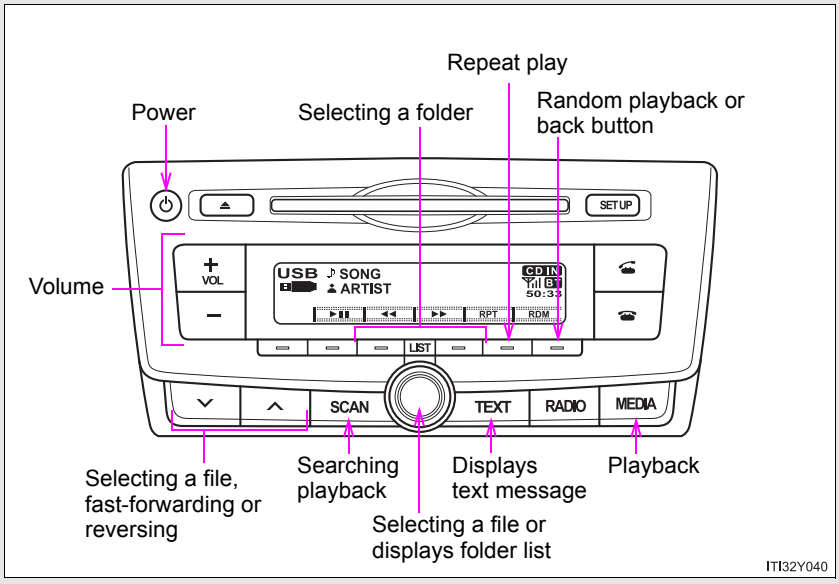
▶ Type A



▶ Type B


Repeat play
Power
Selecting a folder
Random playback
Volume
SETUP
VOL
USB
SONG
ARTIST
CD IN
50:33
RPT
RDM
TEXT
LIST
RADIO
MEDIA
Back button
Displays folder list
Playback
Selecting a file, fast-forwarding or reversing
Selecting a file or displays text message
ITI32Y039

▶ Type C


Repeat play
Power
Selecting a folder
Random playback or back button
Volume
SETUP
VOL
USB
SONG
ARTIST
CD IN
50:33
RPT
RDM
LIST
SCAN
TEXT
RADIO
MEDIA
Selecting a file, fast-forwarding or reversing
Searching playback
Displays text message
Playback
Selecting a file or displays folder list
ITI32Y040

Selecting a folder

■ Selecting folders one at a time

Press ^ FOLDER or ˅ (type A), or [<] or [>] (type B and C) to select the desired folder.

■ Selecting a folder and file from folder list

STEP 1 Press LIST (type A and B) or  (type C).

The folder list will be displayed.

STEP 2 Turn and press  to select a folder and file.

To return to the previous display, press ⮌ (type A and B) or [BACK] (type C).

To exit, press LIST (type A and B) or  (type C).

Scanning the first file of all the folders (type C only)

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 files

Turn  or press ⌄ or ⌃ to select the desired file.

Scanning the files in a folder (type C only)

STEP 1 Press SCAN .

The first 10 seconds of each file will be played.

STEP 2 When the desired file is reached, press SCAN again.

Fast-forwarding and reversing files

To fast-forward or reverse, press and hold ⌄ or ⌃.

Random playback

Pressing [RDM] changes modes in the following order:
Folder random→Disc random→Off

Repeat play

Pressing [RPT] changes modes in the following order:

File repeat→Folder repeat*→Off

*: Available except when RDM (random playback) is selected

Switching the display

Press  (type A and B) or 

(type C).

Track title, Artist name and Album title (MP3 only) are shown on the display.

To return to the previous display, press  (type A and B) or  [BACK] (type C).

USB memory functions

- Depending on the USB memory that is connected to the system, the device itself may not be operable and certain functions may not be available.
  If the device is inoperable or a function is unavailable due to a malfunction (as opposed to a system specification), disconnecting the device and reconnecting it once again may resolve the problem.
- If the USB memory still does not begin operation after being disconnected and reconnected, format the memory.

Display

→P. 394

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 (12mbps)
  - 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 folders in a device: 999 (including the root)
  - Maximum number of files in a device: 9999
  - 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 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 memory is connected and the audio source is changed to USB memory mode, the USB memory 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 memory 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 skipped (not played).

● 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

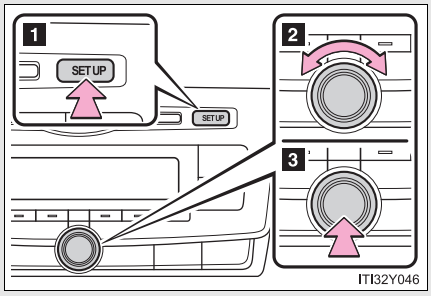
Do not connect USB memory or operate the controls.
Doing so may cause an accident, resulting in death or serious injury.

⚠ NOTICE

■ 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 USB memory.
- 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.

Optimal use of the audio system*



1 Displays the current mode

2 Changes the following settings

- Sound quality and volume balance (→P. 429)

  The sound quality and balance setting can be changed to produce the best sound.

- Automatic sound levelizer on/off (→P. 429)

3 Selecting the mode

Using the audio control function

■ Changing sound quality modes

STEP 1 Press SETUP.

STEP 2 Turn  to select “Sound Setting”.

STEP 3 Press  .

STEP 4 Turn  as corresponds to the desired mode.

“BASS”, “TREBLE”, “FADER”, “BALANCE”, or “ASL”.

STEP 5 Press  .

*: If equipped

■ **Adjusting sound quality**

Turning  adjusts the level.

Sound quality mode	Mode displayed	Level	Turn to the left	Turn to the right
Bass*	“BASS”	-5 to 5	Low	High
Treble*	“TREBLE”	-5 to 5		
Front/rear volume balance	“FADER”	F7 to R7	Shifts to rear	Shifts to front
Left/right volume balance	“BALANCE”	L7 to R7	Shifts to left	Shifts to right

*: The sound quality level is adjusted individually in each audio mode.

■ **Adjusting the Automatic Sound Levelizer (ASL)**

When ASL is selected, turning  to the right changes the amount of ASL in the order of LOW, MID and HIGH.

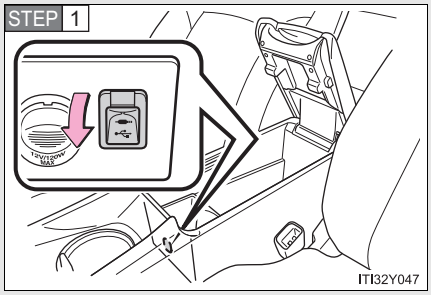
Turning  to the left turns ASL off.

ASL automatically adjusts the volume and tone quality according to vehicle speed.

Using the AUX 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.

STEP 2 Press MEDIA until "AUX" is displayed.

■ **Operating portable audio devices connected to the audio system**

The volume can be adjusted using the vehicle's audio controls. All other adjustments must be made on the portable audio device itself.

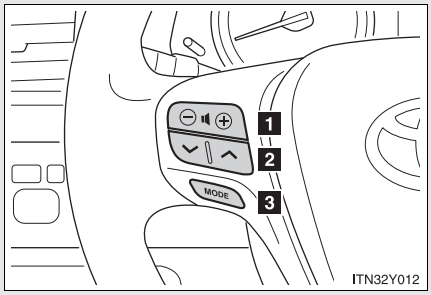
■ **When using a portable audio device connected to the power outlet**

Noise may occur during playback. Use the power source of the portable audio device.

*: If equipped

Using the steering wheel audio switches

Some audio features can be controlled using the switches on the steering wheel.
Operating may differ depending on the type of audio system or navigation system. For details, refer to the manual provided with the audio system or navigation system.



1 Volume

2 Radio mode:
Select radio stations
CD mode:
Select tracks and files (MP3 and WMA)
iPod mode: Selects a song
USB memory mode:
Selects a file and folder
Bluetooth® audio mode (if equipped):
Selects a track and album

3 Power on, select audio source

Turning on the power

Press MODE when the audio system is turned off.

Changing the audio source

Press MODE when the audio system is turned on. The audio source changes as follows each time MODE is pressed. If a mode cannot be used, it will be skipped.

AM→FM→CD mode→iPod or USB memory→Bluetooth® audio*→ AUX

*: If equipped

Adjusting the volume

Press “+” on ⊖◀⊕ to increase the volume and “-” to decrease the volume.

Hold down “+” or “-” on ⊖◀⊕ to continue increasing or decreasing the volume.

Silencing a sound

Press and hold MODE .

To cancel, press and hold MODE again.

Selecting a radio station

STEP 1 Press MODE to select the radio mode.

STEP 2 Press “∧” or “∨” on ∨|∧ to select a preset station.

To scan for receivable stations, press and hold “∧” or “∨” on ∨|∧ until you hear a beep.

Selecting a track/file or song

STEP 1 Press  to select CD, iPod or USB memory, Bluetooth® audio mode.

STEP 2 Press “∧” or “∨” on  to select the desired track/file or song.

Selecting an album

STEP 1 Press  to select the Bluetooth® audio mode.

STEP 2 Press and hold “∧” or “∨” on  until you hear a beep.

Selecting a folder (MP3 and WMA or USB memory)

STEP 1 Press  to select CD or USB memory mode.

STEP 2 Press and hold “∧” or “∨” on  until you hear a beep.

⚠ CAUTION

■ To reduce the risk of an accident

Exercise care when operating the audio switches on the steering wheel.

Bluetooth® audio/phone*

■ **Bluetooth® audio**

The Bluetooth® audio system enables you to enjoy music played on a portable digital audio player (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.

■ **Bluetooth® phone (hands-free phone system)**

This system supports Bluetooth®, which allows you to make or receive calls without using cables to connect a cellular phone and the system, and without operating the cellular phone.

*: If equipped

■ **Conditions affecting operation**

The Bluetooth® audio/phone may not operate normally in the following situations:

- The portable player does not support Bluetooth®
- The cellular phone is located outside the service area
- The Bluetooth® device is switched off
- The Bluetooth® device has a low battery
- The Bluetooth® device is not connected to the system
- The Bluetooth® device is behind the seat or in the glove box or console box, or metal material covers or touches the device

■ **When transferring ownership of the vehicle**

Be sure to initialize the system to prevent personal data from being improperly accessed. (→P. 462)

■ **About Bluetooth®**



Bluetooth is a registered trademark of Bluetooth SIG, Inc.

■ **Compatible models**

- Bluetooth® specifications:
  Ver. 1.1, or higher (recommended: Ver. 2.1 + EDR or higher)
- Following Profiles:
  - A2DP (Advanced Audio Distribution Profile) Ver. 1.0, or higher (recommended: Ver. 1.2 or higher)
  - AVRCP (Audio/Video Remote Control Profile) Ver. 1.0 or higher (recommended: Ver. 1.3 or higher)

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.

- Cellular phone
  - HFP (Hands Free Profile) Ver. 1.0 or higher (Recommended: Ver. 1.5)
  - OPP (Object Push Profile) Ver. 1.1
  - PBAP (Phone Book Access Profile) Ver. 1.0

Certification

Panasonic Corporation
Automotive Systems Company

4261 Ikonobe-cho, Tsuzuki-ku, Yokohama City 224-8520, Japan

DECLARATION of CONFORMITY

We, **Panasonic Corporation, Automotive Systems Company** of the above address, hereby declare, at our sole responsibility that the following product conforms to the Essential Requirements of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC in accordance with the tests conducted to the appropriate requirements of the relevant standards, as listed herewith.

Product:	**Bluetooth module Assy**
Model/ Type Number:	**YEP0PTA184**
Directive and Standards used:	**Radio: EN300 328 V1.7.1: 2006-10**
	EMC: EN301 489-1 V1.8.1: 2008-04 **EN301 489-17 V2.1.1: 2008-04**
	LVD: EN60950-1: 2006 +Amd.11: 2009

Year of affixing CE marking: 2011

CE

Signature : Y. Nakamura

Name : Yoshio Nakamura

Position : Manager

Date : March 7, 2011

Hereby, Panasonic Corporation Automotive Systems Company, declares that this YEP0PTA184 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Panasonic Corporation Automotive Systems Company vakuuttaa täten että YEP0PTA184 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart Panasonic Corporation Automotive Systems Company dat het toestel YEP0PTA184 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Par la présente Panasonic Corporation Automotive Systems Company déclare que l'appareil YEP0PTA184 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Härmed intygar Panasonic Corporation Automotive Systems Company att denna YEP0PTA184 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede Panasonic Corporation Automotive Systems Company erklærer herved, at følgende udstyr YEP0PTA184 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Hiermit erklärt Panasonic Corporation Automotive Systems Company, dass sich das Gerät YEP0PTA184 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Panasonic Corporation Automotive Systems Company ΔΗΛΩΝΕΙ ΟΤΙ YEP0PTA184 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Con la presente Panasonic Corporation Automotive Systems Company dichiara che questo YEP0PTA184 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente Panasonic Corporation Automotive Systems Company declara que el YEP0PTA184 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Panasonic Corporation Automotive Systems Company declara que este YEP0PTA184 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Hawnhekk, Panasonic Corporation Automotive Systems Company, jiddikjara li dan YEP0PTA184 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Käesolevaga kinnitab Panasonic Corporation Automotive Systems Company seadme YEP0PTA184 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Alulírott, Panasonic Corporation Automotive Systems Company nyilatkozom, hogy a YEP0PTA184 megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
Panasonic Corporation Automotive Systems Company týmto vyhlasuje, že YEP0PTA184 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Panasonic Corporation Automotive Systems Company tímto prohlašuje, že tento YEP0PTA184 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Panasonic Corporation Automotive Systems Company izjavlja, da je ta YEP0PTA184 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Šiuo Panasonic Corporation Automotive Systems Company deklaruoja, kad šis YEP0PTA184 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Ar šo Panasonic Corporation Automotive Systems Company deklarē, ka YEP0PTA184 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Niniejszym Panasonic Corporation Automotive Systems Company oświadcza, że YEP0PTA184 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Hér með lýsir Panasonic Corporation Automotive Systems Company yfir því að YEP0PTA184 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Panasonic Corporation Automotive Systems Company erklærer herved at utsyret YEP0PTA184 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Ovim, Panasonic Corporation Automotive Systems Company, izjavljuje da ovaj YEP0PTA184 je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

CAUTION

■ Caution while driving

Observe the following precautions to avoid an accident that could result in death or serious injuries.

- Do not use a cellular phone.
- Do not connect Bluetooth® device 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 audio waves. Radio waves could have unexpected effects on the operation of such medical devices.

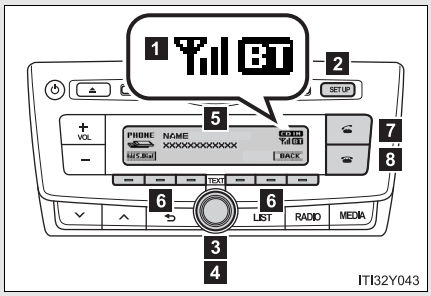
NOTICE

■ To prevent damage to Bluetooth® device

Do not leave Bluetooth® device in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the device.

■ **Audio unit**

▶ Type A



1 Bluetooth® connection condition

If “BT” is not displayed, the Bluetooth® audio/phone cannot be used.

2 Displays set up menu

3 Selects items such as menu and number
Turn: Selects an item
Press: Inputs the selected item

4 Displays information that is too long to be displayed at one time on the display (press and hold)

5 Display
A message, name, number, etc. is displayed.

Lower-case characters and special characters cannot be displayed.

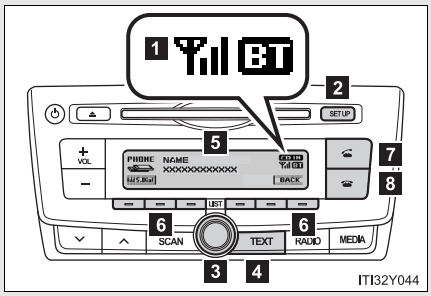
6 Selects speed dials

7 Off-hook switch
Turns the hands-free system on/starts a call

8 On-hook switch
Turns the hands-free system off/ends a call/refuses a call

*: If equipped

▶ Type B



1 Bluetooth® connection condition

If “BT” is not displayed, the Bluetooth® audio/phone cannot be used.

2 Displays set up menu

3 Selects items such as menu and number
Turn: Selects an item
Press: Inputs the selected item

4 Displays information that is too long to be displayed at one time on the display (press and hold)

5 Display
A message, name, number, etc. is displayed.

Lower-case characters and special characters cannot be displayed.

6 Selects speed dials

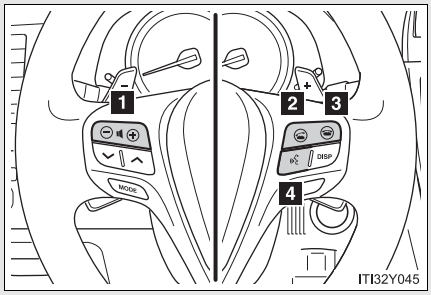
7 Off-hook switch
Turns the hands-free system on/starts a call

8 On-hook switch
Turns the hands-free system off/ends a call/refuses a call

■ **Steering wheel switches (Bluetooth® audio)**

→P. 431

■ **Steering wheel switches (Bluetooth® phone)**



1 Volume

The call volume can be adjusted using this button.

2 Off-hook switch

Turns the hands-free system on/starts a call

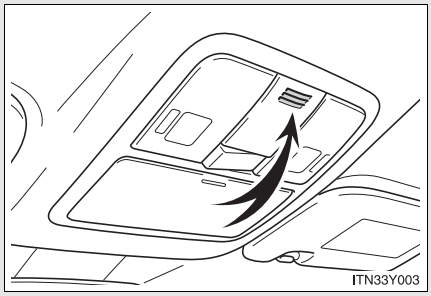
3 On-hook switch

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**



Using the Bluetooth® audio/phone for the first time

Before using the Bluetooth® audio/phone, it is necessary to register a Bluetooth® device in the system. Follow the procedure below to register (pair) a device:

STEP 1 Press SETUP and select “Bluetooth” using  .

STEP 2 Press  and select “Pairing” using  .

A passkey will be displayed.

STEP 3 SSP (Secure Simple Pairing) incompatible Bluetooth® devices: Input the passkey into the device.
SSP (Secure Simple Pairing) compatible Bluetooth® devices: Select “Yes” to register the device. Depending on the type of device, it may register automatically.

If a Bluetooth® device has both music player and cellular phone functions, both functions will be registered at the same time. When deleting the device, both functions will be deleted at the same time.

If the off-hook switch, talk switch or  is pressed and the “TEL” mode is entered when no phones have been registered, the registration screen will be automatically displayed.

Menu list of the Bluetooth® audio/phone

First menu	Second menu	Third menu	Operation details
“Bluetooth”	“Pairing”	-	Registering a Bluetooth® device
	“List Phone”	-	Listing the registered cellular phones
	“List Audio”	-	Listing the registered portable players
	“Passkey”	-	Changing the pass-key
	“BT Power”	-	Setting automatic connection of the device on or off
	“Bluetooth info”	“Device Name” “Device Address”	Displaying the device status
	“Display setting”	-	Setting the automatic connection confirmation display to on or off
	“Initialize”	-	Initializing the settings

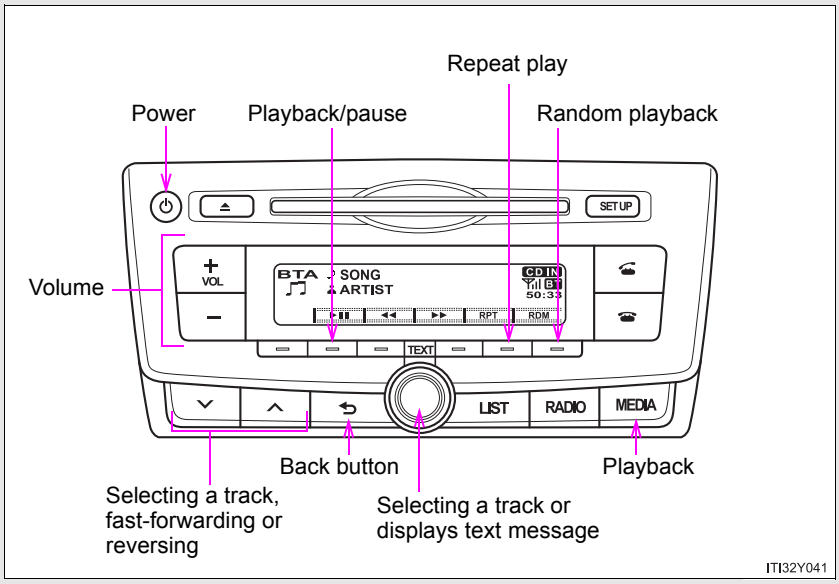
First menu	Second menu	Third menu	Operation details
“TEL”	“Phonebook”	“Add contacts”	Adding a new number
		“Add SD”	Registering a speed dial
		“Delete Call History”	Deleting a number stored in the call history
		“Delete contacts”	Deleting a number stored in the phonebook
		“Delete other PB”	Deleting a phonebook’s data
	“HF Sound Setting”	“Call Volume”	Setting call volume
		“Ring tone Volume”	Setting ring tone volume
		“Ring tone”	Setting the ring tone
	“Transfer Histories”	-	Transferring the call histories

■ **Bluetooth® audio/phone system functions**

Depending on the Bluetooth® device, certain functions may not be available.

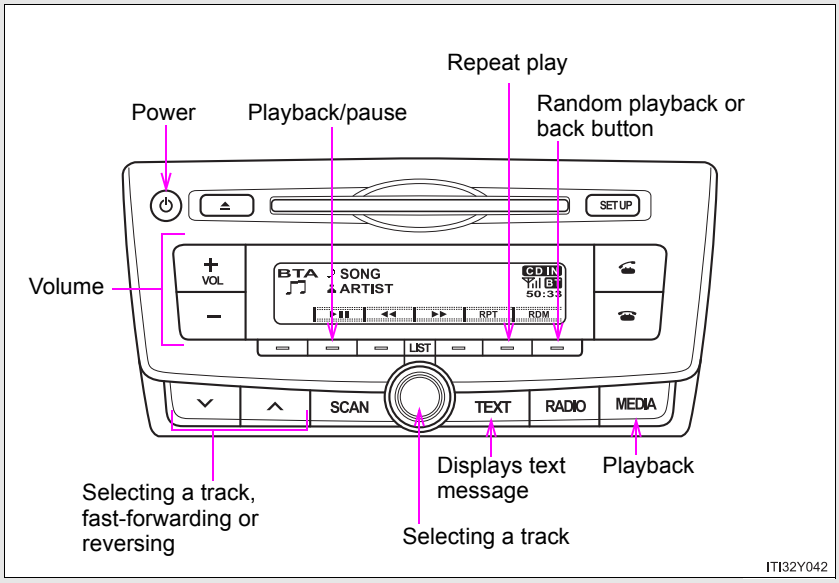
Operating a Bluetooth® enabled portable player*

▶ Type A



*: If equipped

▶ Type B



Selecting and scanning an album

■ Selecting an album

Press [ ] (◀◀) or [ ] (▶▶) to select the desired album.

■ **Scanning the first track of all the album (type B only)**

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

The first 10 seconds of the first track in each album will be played.

STEP 2 When the desired album is reached, press SCAN again.

Selecting and scanning tracks

■ **Selecting a track**

Press ⌄ or ⌃ to select the desired track.

■ **Scanning the tracks in an album (type B only)**

STEP 1 Press SCAN .

The first 10 seconds of each track will be played.

STEP 2 When the desired track is reached, press SCAN again.

Fast-forwarding and reversing tracks

Press and hold ⌄ or ⌃.

Repeat play

Pressing ▭ [RPT] changes modes in the following order:
Track repeat→Album repeat→Off.

Random playback

Pressing [ ] [RDM] changes modes in the following order:
Album random→All track random→Off.

Playing and pausing tracks

Press [ ] (▶II).

Switching the display

Press  (type A) or [TEXT] (type B).

Track title and Artist name are displayed on the display.

To return to the previous display, press  or [ ] (type A) or [TEXT] or [ ] [BACK] (type B).

■ **Bluetooth® audio system functions**

Depending on the portable player that is connected to the system, certain functions may not be available.

Making a phone call*

To enter the “TEL” mode, press  or the off-hook switch.

■ **Making a phone call**

- Dialing by selecting a name
- Speed dialing
- Dialing by entering the number
- Dialing from call histories

■ **Receiving a phone call**

- Answering the phone
- Refusing the call

■ **Operations during a call**

- Transferring a call
- Muting your voice
- Inputting digits
- Setting call volume

■ **Adjusting the ring tone volume when receiving a call**

*: If equipped

Dialing by selecting a name

STEP 1 Select “Phonebook” using  .

STEP 2 Select the desired name using  and press  or the off-hook switch.

By pressing [ ] [Add S. Dial] and one of the speed dial buttons (from [ ] [1] to [ ] [5]) while the desired name is selected, it can be registered as a speed dial.

Speed dialing

STEP 1 Select “Speed Dials” using  .

STEP 2 Press the desired preset button (from [ ] [1] to [ ] [5]) and press  or the off-hook switch.

To delete a registered speed dial, after selecting the desired preset button (from [ ] [1] to [ ] [5]) press [ ] [DELETE] and then press [ ] [YES].

Dialing by entering the number

STEP 1 Select “Speed Dials” using  .

STEP 2 Enter the phone number and press  or the off-hook switch.

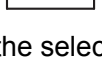
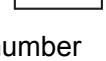
Dialing from call histories

STEP 1 Select “All calls”, “Missed calls”, “Incoming calls” or “Outgoing calls” using  .

STEP 2 Select a desired number using  and press  or the off-hook switch.

The following operations can be performed:

- Registering a number as a speed dial

  Press  [Add S. Dial] and then press the desired preset button (from  [1] to  [5]).

- Deleting the selected number

  Press  [DELETE] and press  [YES].

When receiving a phone call

Answering the phone

Press  or the off-hook switch.

Refusing the call

Press  or the on-hook switch.

Receiving a call when on another call

Press  or the off-hook switch.

Pressing  or the off-hook switch again returns you to the previous call.

Operations during a call

- Transferring a call

  A call can be transferred between the cellular phone and system while dialing, receiving a call, or during a call. Use one of the following methods:

  a. Operate the cellular phone.

     Refer to the manual that comes with the cellular phone for the operation of the phone.

  b. Press the [ ]* [PHONE].

  *: This operation can be performed only when transferring a call from the cellular phone to the system during a call.

- Muting your voice

  Press [ ] [MUTE].

- Inputting digits

  Press [ ] [0-9] and using the  input the desired digits.

  - To send the input digits press [ ] [SEND].
  - When finished, press [ ] [EXIT] to return to the previous screen.

- Setting call volume

  To decrease the volume: Press [–].

  To increase the volume: Press [+ VOL].

Adjusting the ring tone volume when receiving a call

To decrease the volume: Press  .

To increase the volume: Press  .

■ **When talking on the phone**

- Do not talk simultaneously with the other party.
- Keep the volume of the received voice down. Otherwise, voice echo will increase.

■ **Automatic volume adjustment**

When vehicle speed is 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.

■ **Phone call system functions**

Depending on the cellular phone, certain functions may not be available.

■ **Situations where the system may not recognize your voice**

- When driving on a rough road
- When driving at high speeds
- When air is blowing out of the vents onto the microphone
- When the air conditioning fan emits a loud noise

Using the “SET UP” menu (“Bluetooth” menu)*

Registering a Bluetooth® device in the system allows the system to function. The following functions can be used for registered devices:

■ Functions and operation procedures

STEP 1 Press SETUP and select “Bluetooth” using  .

STEP 2 Press  and select one of the following functions using  .

- Registering a Bluetooth® device
  “Pairing”
- Listing the registered cellular phones
  “List Phone”
- Listing the registered portable players
  “List Audio”
- Changing the passkey
  “Passkey”
- Setting automatic connection of the device on or off
  “BT Power”
- Displaying the device status
  “Bluetooth info”
- Setting the automatic connection confirmation display to on or off
  “Display Setting”
- Initialization
  “Initialize”

*: If equipped

Registering a portable player

Select “Pairing” using  , and perform the procedure for registering a portable player. (→P. 444)

Listing the registered cellular phones

Select “List Phone” using  . The list of registered cellular phones will be displayed.

- Connecting the registered cellular phone to the audio system

  STEP 1 Select the name of the cellular phone to be connected using  .

  STEP 2 Select “Select” using  .

- Deleting a registered cellular phone

  STEP 1 Select the name of the cellular phone to be deleted using  .

  STEP 2 Select “Delete” using  .

  STEP 3 Press [ ] [YES].

Listing the registered portable players

Select “List Audio” using  . The list of registered portable players will be displayed.

- Connecting the registered portable player to the audio system

  STEP 1 Select the name of the portable player to be connected using  .

  STEP 2 Select “Select” using  .

- Deleting the registered portable player

  STEP 1 Select the name of the portable player to be deleted using  .

  STEP 2 Select “Delete” using  .

  STEP 3 Press  [YES].

Changing the passkey

STEP 1 Select “Passkey” using  .

STEP 2 Select a 4 to 8-digit passkey using  .

Input the number 1 digit at a time.

STEP 3 When the entire number to be registered as a passkey has been input, press  again.

If the passkey to be registered has 8 digits, pressing  again is not necessary.

Setting automatic connection of the device on or off

If “BT Power” is set to on, the registered device will be connected automatically when the “ENGINE START STOP” switch is tuned to ACCESSORY mode (vehicles with smart entry & start system) or engine switch is turned to the “ACC” position (vehicles without smart entry & start system).

STEP 1 Select “BT Power” using  .

STEP 2 Select “ON” or “OFF” using  .

Displaying the device status

Select “Bluetooth info” using  .

- Displaying the device name

  Select “Device Name” using  .

- Displaying the device address

  Select “Device Address” using  .

Setting the automatic connection confirmation display to on or off

If the “Display setting” is set to on, the portable player connection status will be displayed when the “ENGINE START STOP” switch is tuned to ACCESSORY mode or IGNITION ON mode (vehicles with smart entry & start system), or engine switch is turned to the “ACC” or “ON” position (vehicles without smart entry & start system).

STEP 1 Select “Display setting” using  .

STEP 2 Select “ON” or “OFF” using  .

Initialization

Select “Initialize” using  .

- Initializing the sound settings

  Select “Sound Setting” using  and press [YES].

  For details about sound settings: →P. 463

- Initializing the device information

  Select “Car Device Info” using  and press [YES].

  Automatic connection of a portable device, automatic connection confirmation display and the passkey will be initialized.

- Initializing the all settings

  Select “All Initialize” using  and press [YES].

■ **The number of Bluetooth® device that can be registered**

Up to 5 Bluetooth® device can be registered in the system.

Using the “SET UP” menu (“TEL” menu)*

■ Functions and operation procedures

To enter the menu for each function, press SETUP and follow the steps below using  :

- Adding a new phone number
  1. “TEL” → 2. “Phonebook” → 3. “Add contacts”
- Setting speed dials
  1. “TEL” → 2. “Phonebook” → 3. “Add SD”
- Deleting call histories
  1. “TEL” → 2. “Phonebook” → 3. “Delete Call History”
- Deleting a registered phone number
  1. “TEL” → 2. “Phonebook” → 3. “Delete contacts”
- Deleting another cellular phone’s phonebook
  1. “TEL” → 2. “Phonebook” → 3. “Delete other PB”
- Setting call volume
  1. “TEL” → 2. “HF Sound Setting” → 3. “Call Volume”
- Setting ring tone volume
  1. “TEL” → 2. “HF Sound Setting” → 3. “Ring tone Volume”
- Setting ring tone
  1. “TEL” → 2. “HF Sound Setting” → 3. “Ring tone”
- Transferring call histories
  1. “TEL” → 2. “Transfer Histories”

*: If equipped

Adding a new phone number

Select “Add contacts” using  .

- Transferring all contacts from the cellular phone

  Select “Overwrite all” using  and press [ ] [YES].

- Transferring one contact from the cellular phone

  Select “Add one contact” using  and press [ ] [YES].

Setting speed dials

STEP 1 Select “Add SD” using  .

STEP 2 Select the desired data using  .

STEP 3 Press the desired preset button (from [ ] [1] to [ ] [5]).

For details about setting speed dials from the call history: →P. 453

For details about deleting speed dials: →P. 452

Deleting call histories

Select “Delete Call History” using  .

- Deleting outgoing call history

  STEP 1 Select “Outgoing Calls” using  .

  STEP 2 Select the desired phone number using  and press [ ] [YES].

  To delete all outgoing call history data, press [ ] [ALL] and then press [ ] [YES].

- Deleting incoming call history

  STEP 1 Select “Incoming Calls” using  .

  STEP 2 Select the desired phone number using  and press [ ] [YES].

  To delete all incoming call history data, press [ ] [ALL] and then press [ ] [YES].

- Deleting missed call history

STEP 1 Select “Missed Calls” using  .

STEP 2 Select the desired phone number using  and press [ ] [YES].

To delete all missed call history data, press [ ] [ALL] and then press [ ] [YES].

- Deleting a number from all call histories (Outgoing calls, Incoming calls and Missed calls)

STEP 1 Select “All Calls” using  .

STEP 2 Select the desired phone number using  and press [ ] [YES].

To delete all of the call histories data, press [ ] [ALL] and then press [ ] [YES].

Deleting a registered phone number

STEP 1 Select “Delete contacts” using  .

STEP 2 Select the desired phone number using  and press [YES].

To delete all the registered phone numbers, select “All delete” using  and press [YES].

Deleting another cellular phone’s phonebook

STEP 1 Select “Delete other PB” using  .

STEP 2 Select the desired phonebook using  and press [YES].

Setting call volume

STEP 1 Select “Call Volume” using  .

STEP 2 Change the call volume.

To decrease the volume: Press  .

To increase the volume: Press  .

Setting ring tone volume

STEP 1 Select “Ring tone Volume” using  .

STEP 2 Change the ring tone volume.

To decrease the volume: Press  .

To increase the volume: Press  .

Setting ring tone

STEP 1 Select “Ring tone” using  .

STEP 2 Using  , select a ring tone [1 - 3]. To set the selected ring tone, press  .

Transferring call histories

Select “Transfer Histories” using  and press [YES].

■ **Phone number**

Up to 1000 names can be stored.

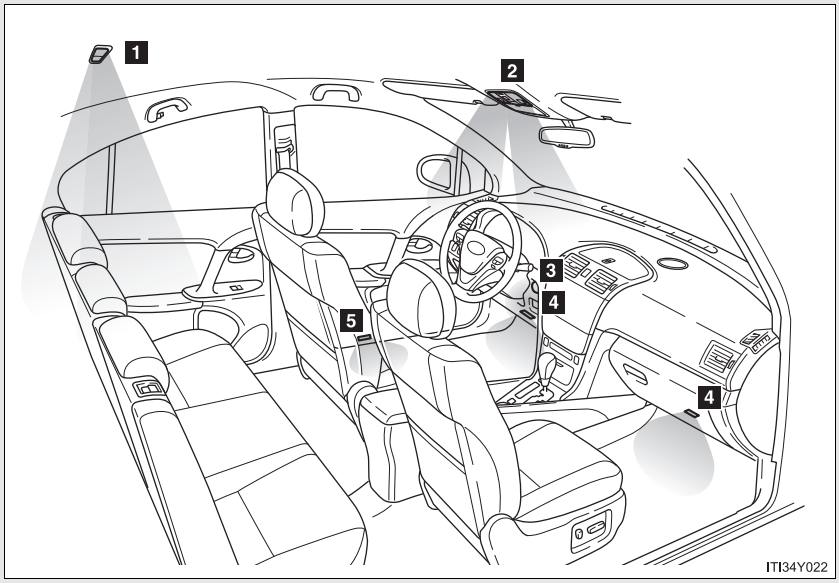
■ **Call history**

Up to 10 numbers can be stored in each of the outgoing, incoming and missed call history memories.

■ **Limitation of number of digits**

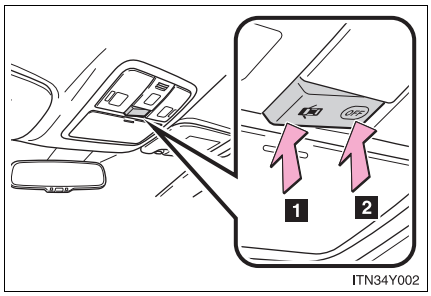
A phone number that exceeds 24 digits cannot be registered.

Interior lights list



1 Personal lights (→P. 472)
2 Personal/interior lights (→P. 471)
3 “ENGINE START STOP” switch light (if equipped)
4 Foot lights (if equipped)
5 Front door courtesy lights

Personal/interior light main switch



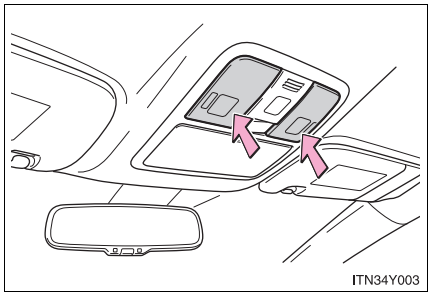
1 Door position

The personal/interior lights come on when a door is opened. They turn off when the doors are closed.

2 “OFF”

The personal/interior lights can be individually turned on or off.

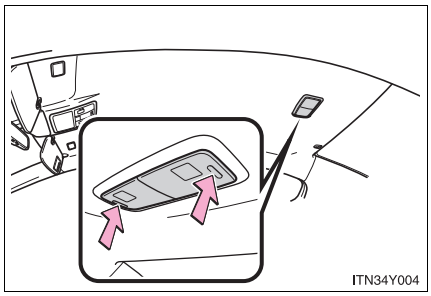
Personal/interior lights



On/off

The illuminated entry system is activated even if the light is turned off when the personal/interior light main switch is in door position.

Personal lights



On/off

Personal lights also turn on when either of the doors is opened. Closing the doors will turn the lights off.

■ **Illuminated entry system**

▶ Vehicles with smart entry & start system

The lights automatically turn on/off according to “ENGINE START STOP” switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are open/closed.

▶ Vehicles without smart entry & start system

The lights automatically turn on/off according to the engine switch position, whether the doors are locked/unlocked, and whether the doors are open/closed.

■ **To prevent the battery from being discharged**

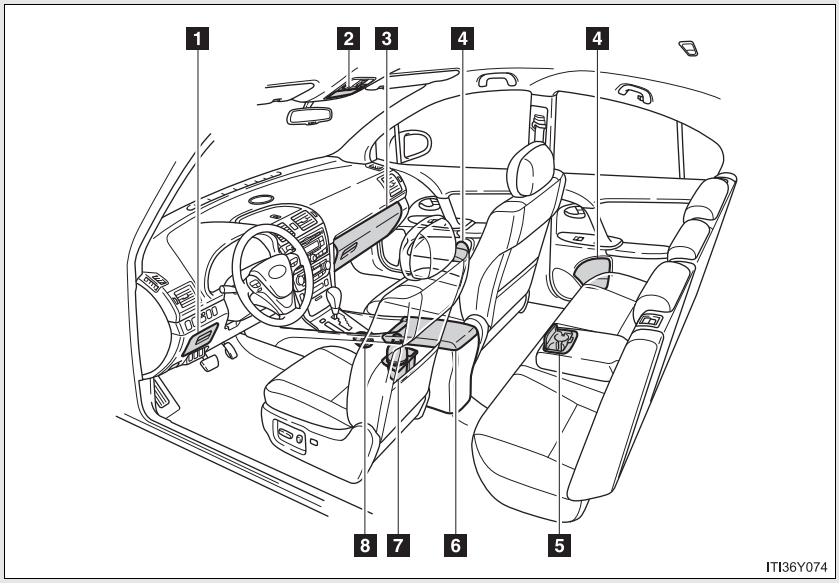
If the following lights remain on, the lights will go off automatically after 20 minutes:

- Personal lights
- Personal/interior lights
- Vanity lights

■ **Customization that can be configured at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional**

Settings (e.g. The time elapsed before lights turn off) can be changed. (Customizable features →P. 743)

List of storage features



1 Coin box
2 Overhead console*
3 Glove box
4 Bottle holders
5 Cup holders*
6 Console box
7 Bottle holder
8 Cup holder

*: If equipped

CAUTION

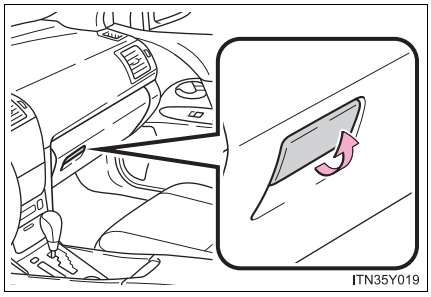
Items that should not be left in the storage spaces

Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:

- Glasses may be deformed by heat or cracked if they come into contact with other stored items.
- Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.

Glove box

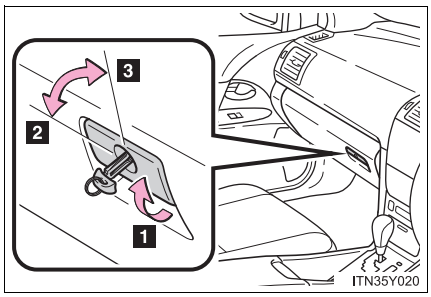
▶ Left-hand drive vehicles



Pull up the lever to open the glove box.

▶ Right-hand drive vehicles

The glove box can be opened by pulling the lever, locked and unlocked by using the key.



1 Open
2 Lock
3 Unlock

Glove box light

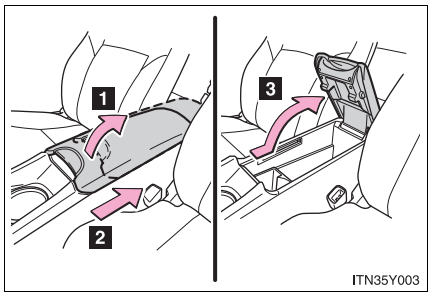
The glove box light turns on when the tail lights are on.

⚠ CAUTION

While driving

Keep the glove box closed.
Injuries may result in the event of sudden braking, sudden swerving or an accident.

Console box



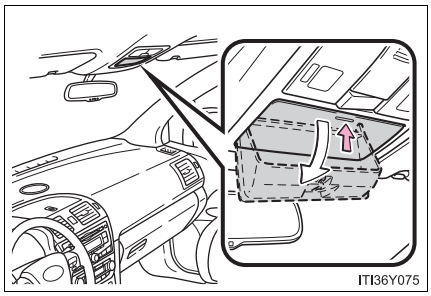
1 Pull up the lever to release the lock.
2 Slide the armrest.
3 Pull up the lever and lift the armrest to open.

CAUTION

While driving

Keep the console box closed.
Injuries may result in the event of sudden braking, sudden swerving or an accident.

Overhead console (if equipped)



Push the lid.

The overhead console is useful for temporarily storing small items.

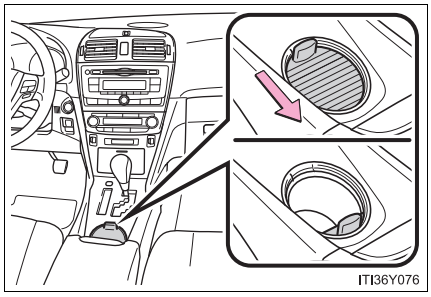
CAUTION

■ While driving

Do not leave the overhead console open. Items may fall out and cause injury.

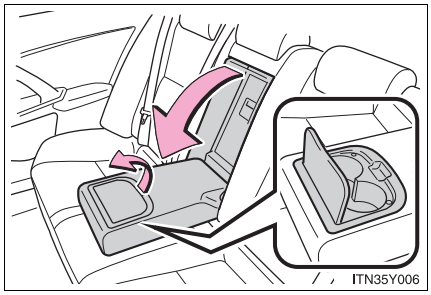
Cup holders

▶ Front



Vehicles with the cup holder lid: open the cup holder lid.

▶ Rear (if equipped)



Pull down the armrest and open the lid.

⚠ CAUTION

■ Items unsuitable for the cup holder

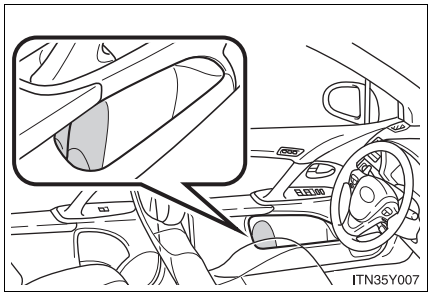
Do not place anything other than cups or aluminum cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

■ When not in use

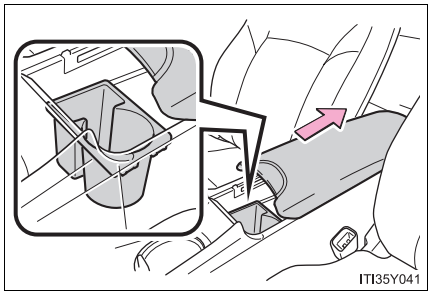
Keep the cup holders closed.
Injuries may result in the event of sudden braking, sudden swerving or an accident.

Bottle holders

▶ Front type A

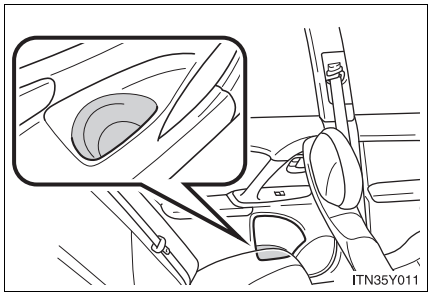


▶ Front type B

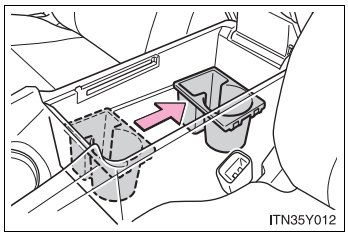


Slide the armrest.

▶ Rear



■ **The front bottle holder (type B) can be moved**



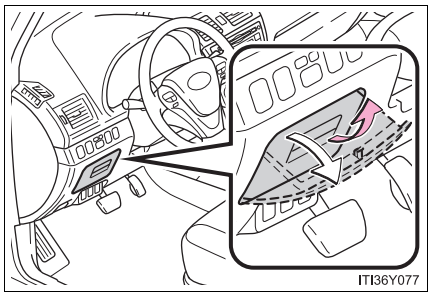
The position can be altered by sliding back and forth.

⚠ NOTICE

■ **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 break.

Coin box



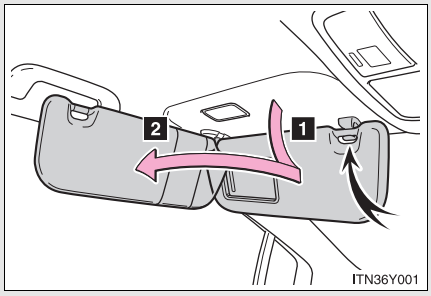
Pull up the lever.

CAUTION

While driving

Keep the coin box closed.
Injuries may result in the event of sudden braking, sudden swerving or an accident.

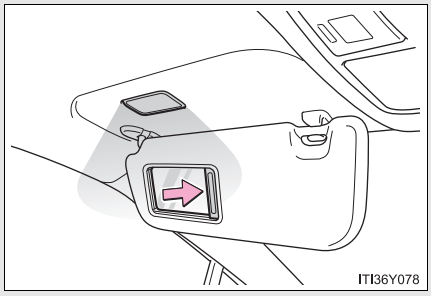
Sun visors



1 Forward position:
Flip down.

2 Side position:
Flip down, unhook, and swing to the side.

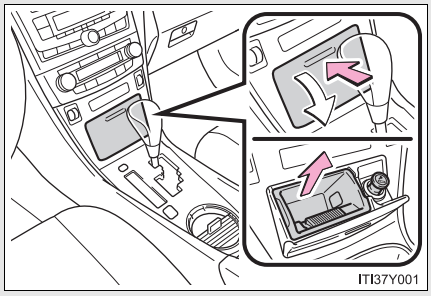
Vanity mirror



Slide the cover.

The light turns on when the cover is opened.

Ashtray



Press in and release the lid to open.

Pull the ashtray to remove.

CAUTION

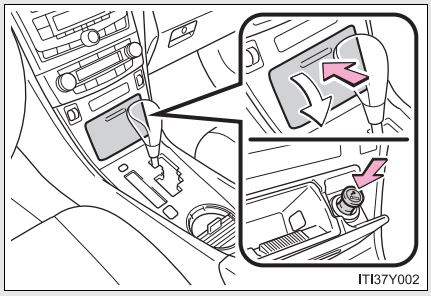
When not in use

Keep the ashtray closed.
Injuries may result in the event of sudden braking, sudden swerving or an accident.

To prevent fire

- Fully extinguish matches and cigarettes before putting them in the ashtray, then make sure the ashtray is fully closed.
- Do not place paper or any other type of flammable object in the ashtray.

Cigarette lighter



Press in and release the lid to open, and push the cigarette lighter down.

The cigarette lighter will pop up when ready for use.

The cigarette lighter can be used when

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ACC” or “ON” position.

⚠ CAUTION

When not in use

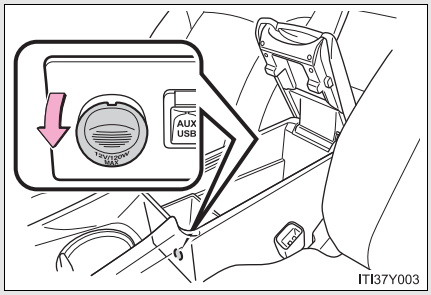
Keep the lid closed.
Injuries may result in the event of sudden braking, sudden swerving or an accident.

To avoid burns or fires

- Do not touch the metal parts of the cigarette lighter.
- Do not hold the cigarette lighter down. It could overheat and cause a fire.
- Do not insert anything other than the cigarette lighter into the outlet.

Power outlet

The power outlet can be used for 12 V accessories that run on less than 10 A.



The power outlet can be used when

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ACC” or “ON” position.

NOTICE

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.

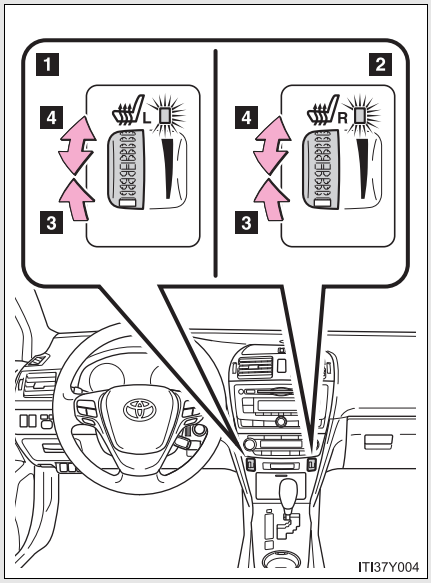
To prevent the fuse from being blown

Do not use an accessory that uses more than 12 V/10 A.

To prevent the battery from being discharged

Do not use the power outlet longer than necessary when the engine is not running.

Seat heaters*



1 Left-hand drive vehicles: For driver's seat
Right-hand drive vehicles: For front passenger's seat

2 Left-hand drive vehicles: For front passenger's seat
Right-hand drive vehicles: For driver's seat

3 On

The indicator light comes on.

4 Adjusts the seat temperature

The further you turn the dial upward, the warmer the seat becomes.

■ **The seat heaters can be used when**

▶ Vehicles with smart entry & start system

The "ENGINE START STOP" switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the "ON" position.

*: If equipped

CAUTION

Burns

- Use caution when seating the following persons in a seat with the seat heater on to avoid the possibility of burns:
  - Babies, small children, the elderly, the sick and the disabled
  - Persons with sensitive skin
  - Persons who are fatigued
  - Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)
- Do not cover the seat with anything when using the seat heater.
  Using the seat heater with a blanket or cushion increases the temperature of the seat and may lead to overheating.

NOTICE

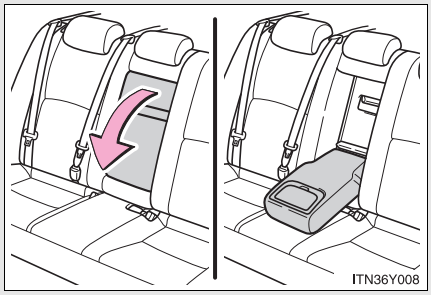
To prevent seat heater damage

Do not put unevenly weighted objects on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.

To prevent battery discharge

Turn the switches off when the engine is not running.

Armrest



Pull the armrest down for use.

⚠ NOTICE

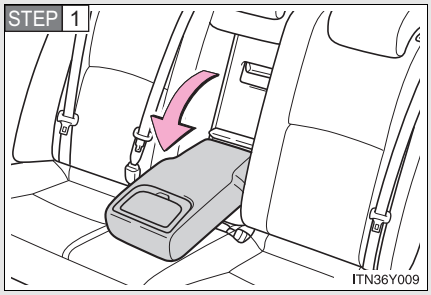
■ **To prevent damage to the armrest**

Do not place too much strain on the armrest.

Trunk/luggage compartment storage extension*

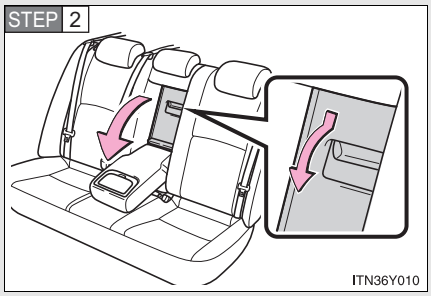
Long objects can be loaded in the vehicle by utilizing the trunk/luggage compartment space and rear seat area.

STEP 1



Pull down the armrest.

STEP 2



Open the trunk/luggage compartment door cover.

CAUTION

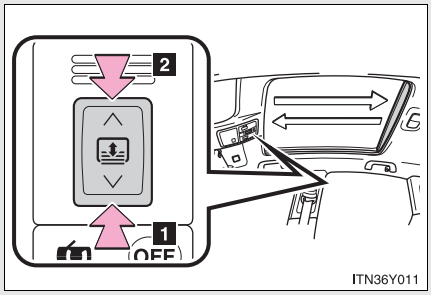
■ When not in use

Ensure that the trunk/luggage compartment door is closed.
In the event of sudden braking, items stored in the trunk/luggage compartment may be thrown forward into the cabin, resulting in injury.

*: If equipped

Panoramic roof shade (wagon)*

Use the overhead switches to open or close the panoramic roof shade.



1 Close

To stop partway, press the switch lightly.

2 Open

To stop partway, press the switch lightly.

■ **The panoramic roof shade can be operated when**

▶ Vehicles with smart entry & start system

The “ENGINE START STOP” switch is in IGNITION ON mode.

▶ Vehicles without smart entry & start system

The engine switch is in the “ON” position.

■ **Jam protection function**

If an object is detected between the panoramic roof shade and the frame while closing, travel is stopped and the panoramic roof shade opens slightly.

■ **If the panoramic roof shade cannot be closed automatically**

If the switch is kept depressed, the panoramic roof shade can be closed manually. If the automatic function will not operate while the panoramic roof shade is closed, push and hold the switch and open the panoramic roof shade fully. It will then be possible to use automatic operation once again.

*: If equipped

CAUTION

■ **When closing the panoramic roof shade**

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

- Check to make sure that all passengers do not have any part of their bodies in a position where they could be caught when the panoramic roof shade is being operated.
- Do not allow children to operate the panoramic roof shade.
  Closing the panoramic roof shade on someone can cause death or serious injury.

■ **Jam protection function**

- Never try jamming any part of your body to activate the jam protection function intentionally.
- The jam protection function may not work if something gets caught just before the panoramic roof shade fully closes.

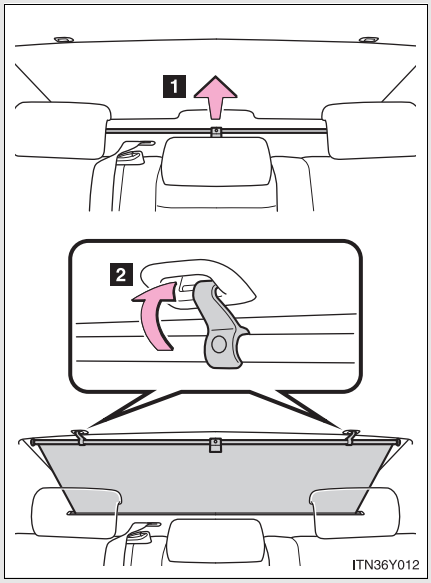
CAUTION

■ **To prevent burns or injury**

Observe the following precautions.

- Although the jam protection function has been installed, make sure that passenger's hands and faces are not caught in the panoramic roof shade while it is closing. Also, as there is a chance that the jam protection function will not react just before closing, make sure not to catch fingers etc. in the roof.
- The opening or closing of the panoramic roof shade can be stopped by pressing the switch.
- If the panoramic roof shade will not close (for example, due to a malfunction in the jam protection function), the shade can be closed by pressing and holding the switch.
- The jam protection function may operate if a load or impact, similar to that applied when a foreign object is caught in the roof shade, is applied by environmental or driving conditions.
- The underside of the roof will become hot if the vehicle is left in the direct sunlight for a long period of time. Do not touch the parts inside the gap between the roof underside and the roof shade, as you may burn yourself.
- Do not touch any rough or sheared parts of the roof underside, as you may injure yourself.

Rear sunshade (sedan)*



1 Pull the tab up.

2 Hook the sunshade on to the anchors.

To lower the sunshade, pull the tab slightly to unhook the shade, and lower it slowly.

NOTICE

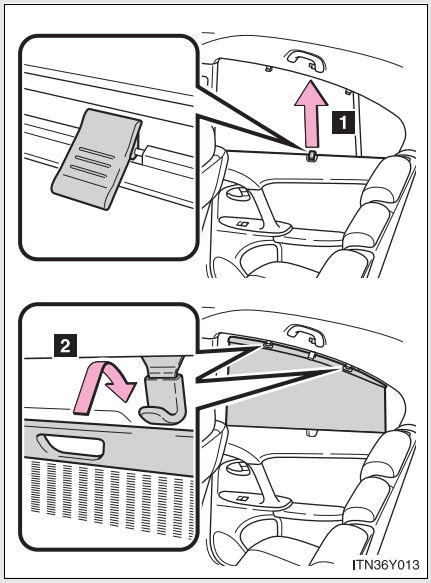
■ To ensure normal operation of the sunshade

Observe the following precautions.

- Do not place anything where it may hinder the opening/closing of the sunshade.
- Do not place anything on the sunshade.

*: If equipped

Rear side sunshades (sedan)*



1 Pull the tab up.

2 Hook the sunshade on to the anchors.

To lower the sunshade, pull the tab slightly to unhook the shade, and lower it slowly.

NOTICE

■ To ensure normal operation of the sunshade

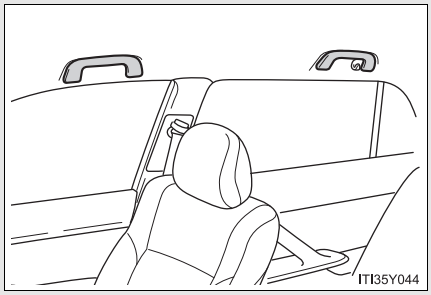
Observe the following precautions.

- Do not place anything where it may hinder the opening/closing of the sunshade.
- Do not place anything on the sunshade.

*: If equipped

Assist grips

An assist grip installed on the ceiling can be used to support your body while sitting on the seat.



CAUTION

■ **Assist grip**

Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

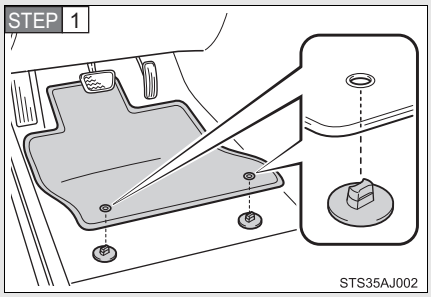
NOTICE

■ **To prevent damage of the assist grip**

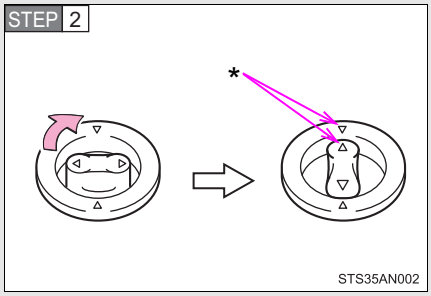
Do not hang any heavy object or put a heavy load on the assist grip.

Floor mats

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



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 △ marks.

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

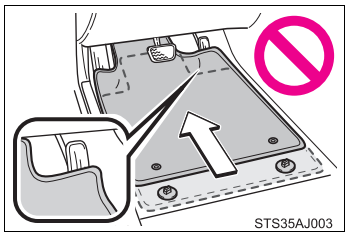
⚠ CAUTION

Observe the following precautions.
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle, leading to a serious accident.

■ When installing the driver's floor mat

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

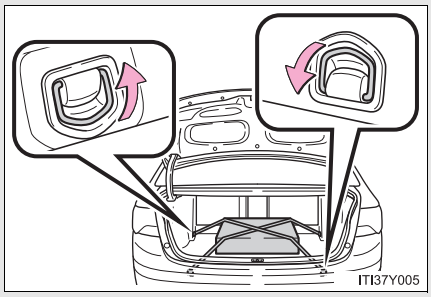
■ Before driving



- Check that the floor mat is securely fixed in the correct place with all the provided retaining hooks (clips). Be especially careful to perform this check after cleaning the floor.
- With the engine stopped and the shift lever in "P" (Multidrive or automatic transmission) or "N" (manual transmission), fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

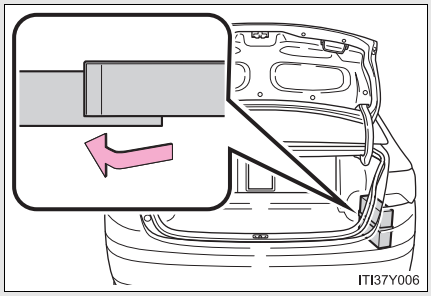
Trunk features (sedan)

■ Cargo hooks

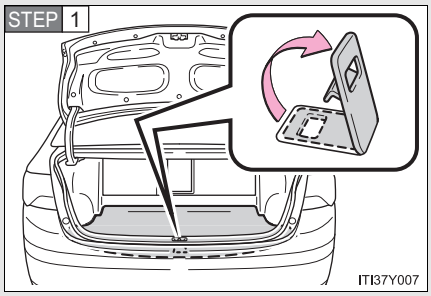


Cargo hooks are provided for securing loose items.

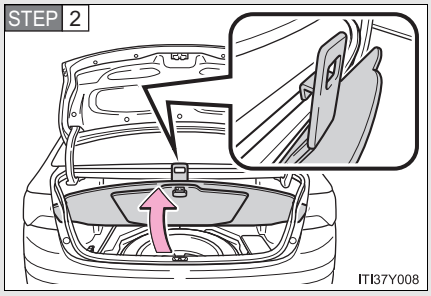
■ First-aid kit storage belt



■ Luggage mat



Pull the lever upwards when lifting the luggage mat up.



The lever can be hooked on the edge of the trunk.

⚠ CAUTION

■ When the cargo hooks are not in use

To avoid injury, always return the cargo hooks to their positions when they are not in use.

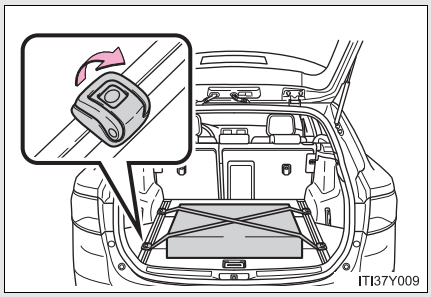
⚠ NOTICE

■ When closing the trunk

Do not leave the luggage mat lever hooked on the edge of the trunk. The luggage mat may get damaged.

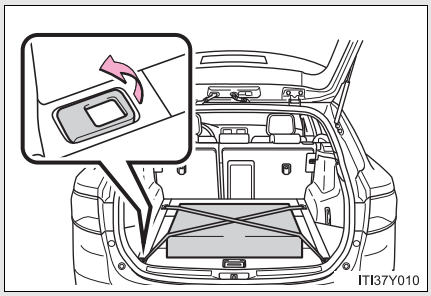
■ **Cargo hooks**

▶ Vehicles with deck rail



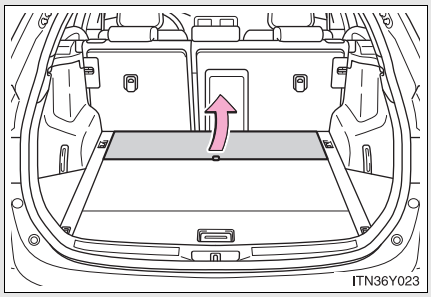
Cargo hooks are provided for securing loose items.

▶ Vehicles without deck rail



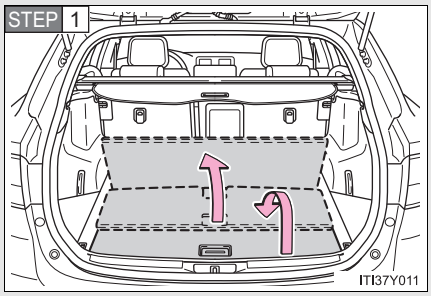
■ **Auxiliary box**

▶ Front

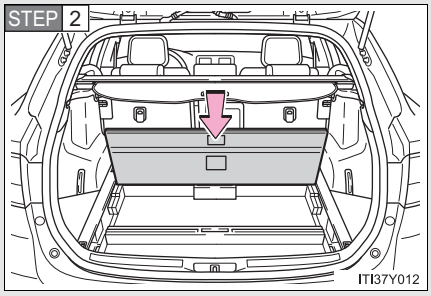


Lift the front deck board.

▶ Rear

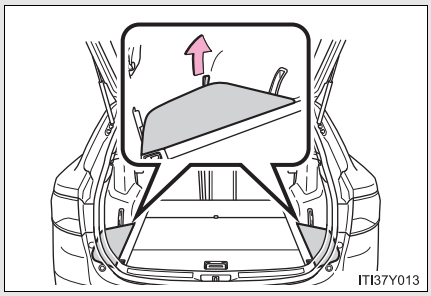


Pull the lever upwards when lifting the rear deck board.



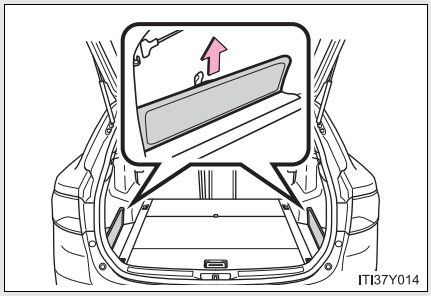
Press down the rear deck board.

▶ Side



Lift the side deck board.

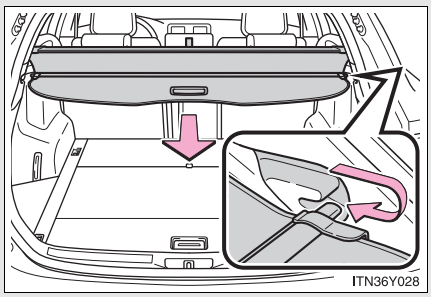
■ **Separating luggage compartment (if equipped)**



The deck side board can be used to separate the luggage compartment.

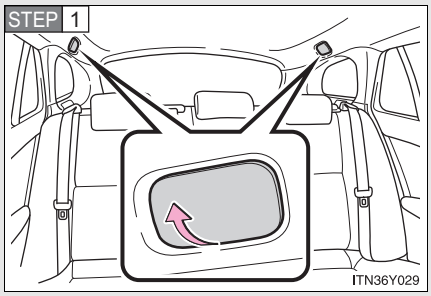
Remove the deck side board and insert it upright into the groove.

■ **Luggage cover (if equipped)**

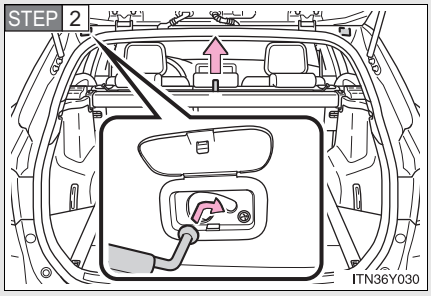


Pull out the luggage cover and hook it on the anchors.

■ **Separation net**



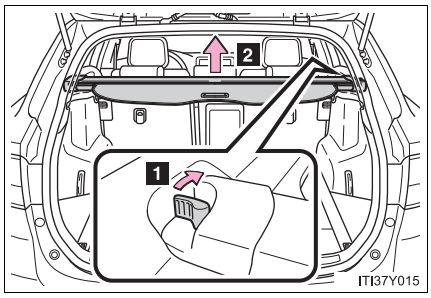
Open the cover.



Take the strap, lift the separation net and insert it into the hole.

Removing luggage cover

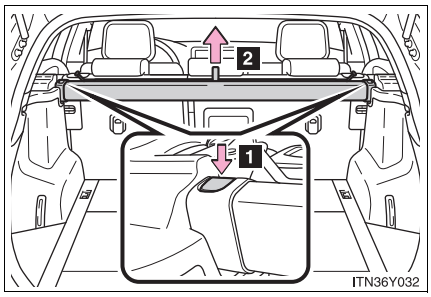
The luggage cover can be removed by following the procedure below.



1 Pull the release lever
2 Lift up

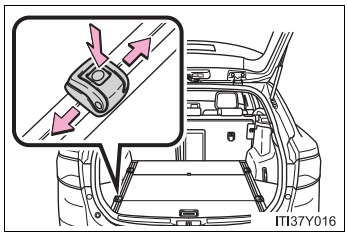
Removing the separation net

The separation net can be removed by following the procedure below.



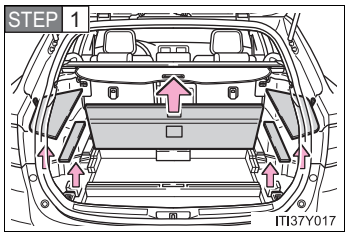
1 Push the release button
2 Lift up

■ **The cargo hooks can be moved (vehicles with deck rail)**

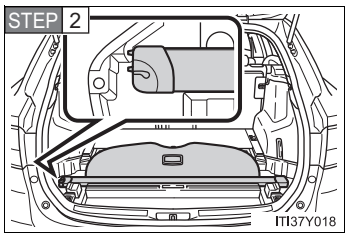


Pushing and holding the center switch allows the cargo hooks to be moved forwards and backwards.

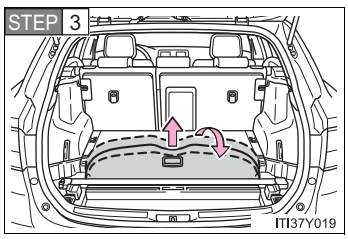
■ **Stowing the luggage cover (vehicles without deck rail)**



Remove the side deck board and open the rear deck board.

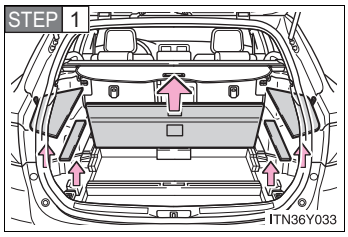


Move the release lever towards the left side of the auxiliary box, and set into the auxiliary box.

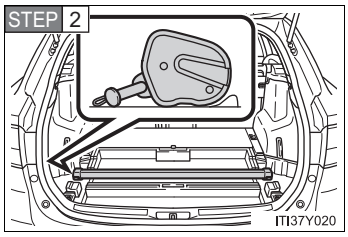


Pull the front edge of the luggage cover out a small amount, and fold it forward to store.

■ **Stowing the separation net (vehicles without deck rail)**



Remove the side deck boards and open the rear deck board.



Move the separation net hook towards the forwards underside and set the separation net into the auxiliary box.

CAUTION

■ **While driving**

Do not place anything on the luggage cover. Such items may be thrown about and possibly injure people in the vehicle during sudden braking, sudden swerving or an accident.

■ **When the cargo hooks are not in use**

To avoid injury, always return the cargo hooks to their positions when they are not in use.

Maintenance and care 4

4-1. Maintenance and care

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4-2. Maintenance

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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 (wagon) before washing the vehicle. Start washing from the front of the vehicle. Make sure to re-install the antenna (wagon) and extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.
- Vehicles with the rain-sensing windshield wipers: Turn the wipers off before washing the vehicle.

■ **High pressure car washes**

- Do not allow the nozzles of the car wash to come within close proximity of the windows.
- Before car wash, check that the fuel filler door on your vehicle is closed properly.

■ **Aluminum wheels (if equipped)**

- Remove any dirt immediately by using a neutral detergent. Do not use hard brushes or abrasive cleaners. Do not use strong or harsh chemical cleaners.
  Use the same mild detergent and wax as used on the paint.
- Do not use detergent on the wheels when they are hot, for example after driving for long distance in the hot weather.
- Wash detergent from the wheels immediately after use.

■ **Bumpers and side moldings**

Do not scrub with abrasive cleaners.

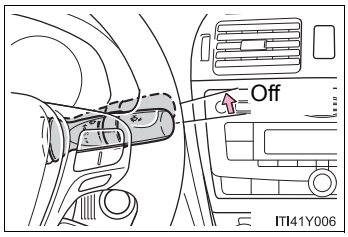
CAUTION

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.

When cleaning the windshield (vehicles with rain-sensing windshield wipers)



Set the wiper switch to off.
If the wiper switch is in “AUTO”, the wipers may operate unexpectedly in the following situations, and may result in hands being caught or other serious injuries and cause damage to the wiper blades.

- When the upper part of the windshield where the raindrop sensor is located is touched by hand
- When a wet rag or similar is held close to the raindrop sensor
- If something bumps against the windshield
- If you directly touch the raindrop sensor body or if something bumps into the raindrop sensor

NOTICE

■ **To prevent 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 or insect 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 (wagon only)**

- 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.

NOTICE

■ **To prevent damage to the windshield wiper arms**

When lifting the wiper arms away from the windshield pull the driver side wiper arm upward first, and repeat for the passenger side. When returning the wipers to their original position, do so from the passenger side first.

■ **When using an automatic car wash (vehicles with rain-sensing windshield wipers)**

Turn off the wiper switch. If the wiper switch is in “AUTO”, the wipers may operate and the wiper blades may be damaged.

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.

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 ventilated area.

Synthetic leather areas

- Remove loose dirt using a vacuum cleaner.
- Apply a mild soap solution to the synthetic leather using a sponge or soft cloth.
- Allow the solution to soak in for a few minutes. Remove the dirt and wipe off the solution with a clean, damp cloth.

■ **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. Excellent results are obtained by keeping the carpet as dry as possible.

■ **Seat belts**

Clean with mild soap and lukewarm water using a cloth or sponge. Also check the belts periodically for excessive wear, fraying or cuts.

⚠ CAUTION

■ **Water in the vehicle**

- Do not splash or spill liquid in the vehicle. Doing so may cause electrical components etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P. 149)

  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.

NOTICE

■ **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 or right-side rear quarter window**

- Do not use glass cleaner to clean the rear window or right-side rear quarter window (wagon), as this may cause damage to the rear window defogger heater wires or antenna. Use a cloth dampened with lukewarm water to gently wipe the window clean. Wipe the window in strokes running parallel to the heater wires or antenna.
- Be careful not to scratch or damage the heater wires or antenna.

Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance is essential. Toyota recommends the following maintenance.

Scheduled maintenance

Scheduled maintenance be performed at specified intervals according to the maintenance schedule.

For full details of your maintenance schedule, read the “Toyota Service Booklet” or “Toyota Warranty Booklet”.

Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools.

Note, however, that some maintenance tasks require special tools and skills. These are best performed by qualified technicians. Even if you’re an experienced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. Any authorized Toyota dealer or repairer will keep a record of maintenance, which could be useful should you ever require Warranty Service. Should you choose to select a qualified and equipped professional other than an authorized Toyota repairer to service or maintain your vehicle, we recommend that you request that a record of maintenance be kept.

■ **Where to go for service?**

In order to maintain your vehicle in the highest possible condition, Toyota recommends that all repairs and service operations be carried out by authorized Toyota dealers or repairers or other duly qualified and equipped professionals. For repairs and services covered by your warranty, please visit an authorized Toyota dealer or repairer, who will use genuine Toyota parts in repairing any difficulties you may encounter. There can also be advantages in utilizing authorized Toyota dealers or repairers for non-warranty repairs and services, as members of the Toyota network will be able to expertly assist you with any difficulties you may encounter.

Your Toyota dealer or repairer, or another duly qualified and equipped professional service department will perform all of the scheduled maintenance on your vehicle-reliably and economically due to their experience with Toyota vehicles.

■ **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 missing, 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 the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal

If you notice any of these clues, take your vehicle to any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, as soon as possible. Your vehicle may need adjustment or repair.

⚠ CAUTION

■ If your vehicle is not properly maintained

It could result in serious damage to the vehicle and possible personal injury or death.

■ Warning in handling of the battery

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 538)

■ Used engine oil

Used engine oil contains chemicals that have been shown to cause cancer in laboratory animals. Avoid prolonged and repeated contact. Always protect your skin by washing thoroughly with soap and water.

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. 538)	• Grease • Conventional wrench (for terminal clamp bolts)
Engine coolant level (→P. 536)	• 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 coolant)
Engine oil level (→P. 530)	• Toyota Genuine Motor Oil or equivalent • Rag or paper towel, funnel (used only for adding oil)

Items	Parts and tools
Fuses (→P. 560)	• Fuse with same amperage rating as original
Radiator, condenser and inter-cooler (→P. 538)	—
Tire inflation pressure (→P. 549)	• Tire pressure gauge • Compressed air source
Washer fluid (→P. 542)	• Water or washer fluid containing antifreeze (for winter use) • Funnel

⚠ 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.

CAUTION

When working near the electric cooling fan or radiator grille

▶ Vehicles with smart entry & start system

Be sure the “ENGINE START STOP” switch is OFF.
With the “ENGINE START STOP” switch in IGNITION ON mode, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 538)

▶ Vehicles without smart entry & start system

Be sure the engine switch is in the “LOCK” position.
With the engine switch in the “ON” position, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 538)

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 filter

Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

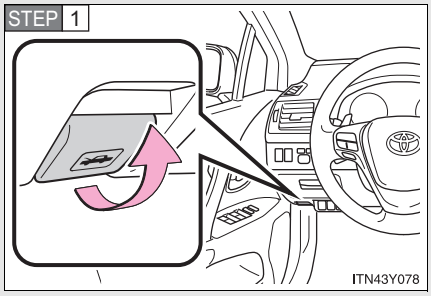
If the brake fluid level is low or high

It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.
If the reservoir needs frequent refilling, it may indicate a serious problem.

Hood

Release the lock from the inside of the vehicle to open the hood.

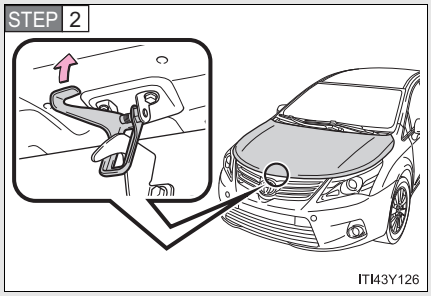
STEP 1



Pull the hood release lever.

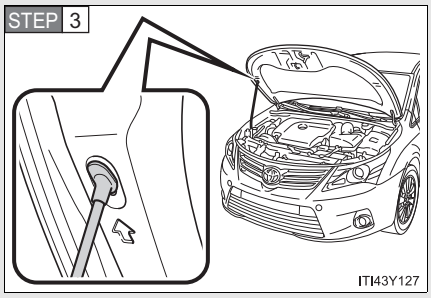
The hood will pop up slightly.

STEP 2



Lift the hood catch and lift the hood.

STEP 3



Hold the hood open by inserting the supporting rod into the slot.

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.

■ **After installing the support rod into the slot**

Make sure the rod supports the hood securely from falling down on to your head or body.

NOTICE

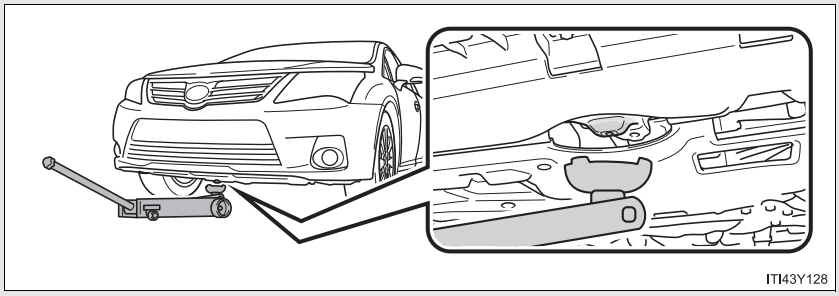
■ **When closing the hood**

Be sure to return the support rod to its clip before closing the hood. Closing the hood with the support rod up could cause the hood to bend.

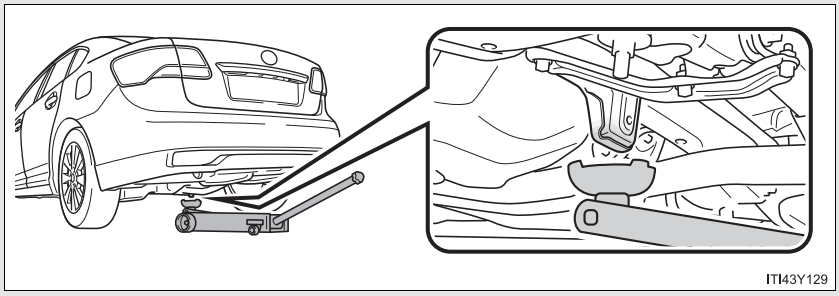
Positioning a floor jack

When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

▶ Front



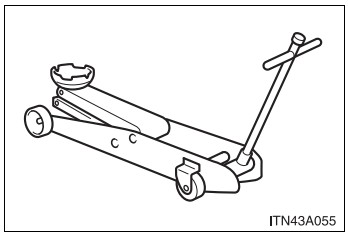
▶ Rear



CAUTION

When raising your vehicle

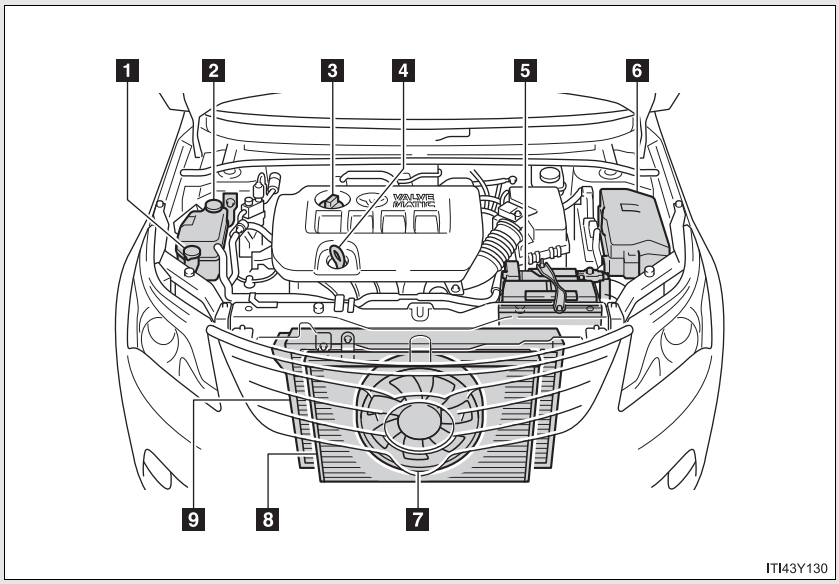
Make sure to observe the following to reduce the possibility of death or serious injury.



- Lift up the vehicle using a floor jack such as the one shown in the illustration.
- When using a floor jack, follow the instructions of the manual provided with the jack.
- Do not use the jack that was supplied with your vehicle.
- Do not put any part of your body or get underneath the vehicle supported only by the floor jack.
- Always use floor jack and/or automotive jack stands on a solid, flat, level surface.
- Do not start the engine while the vehicle is supported by the floor jack.
- Stop the vehicle on level firm ground, firmly set the parking brake and put the shift lever in “P” (Multidrive or automatic transmission) or “R” (manual transmission).
- Make sure to set the floor jack properly at the jack point.
  Raising the vehicle with an improperly positioned floor jack will damage the vehicle and may cause the vehicle to fall off the floor jack.
- Do not raise the vehicle while someone is in the vehicle.
- When raising the vehicle, do not place any objects on top of or underneath the floor jack.

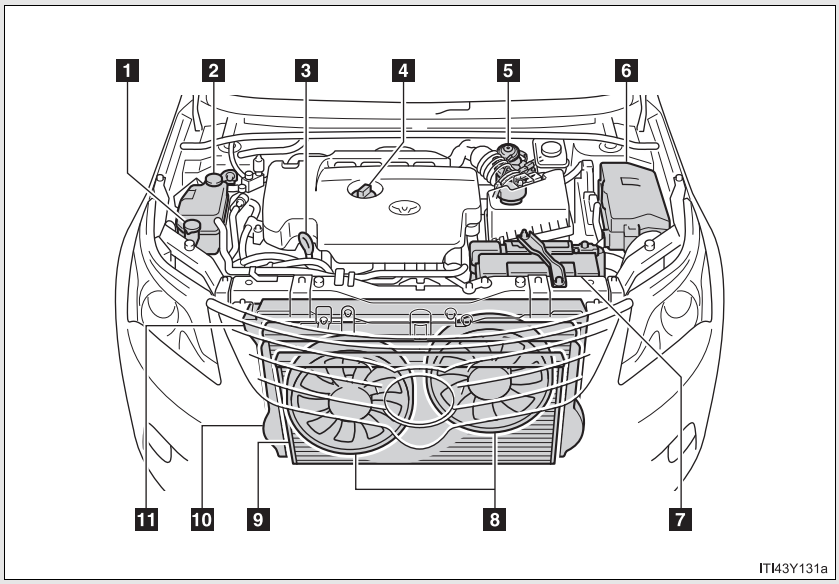
Engine compartment

▶ Gasoline engine



1 Washer fluid tank (→P. 542)
2 Engine coolant reservoir (→P. 536)
3 Engine oil filler cap (→P. 532)
4 Engine oil level dipstick (→P. 530)
5 Battery (→P. 538)
6 Fuse box (→P. 560)
7 Cooling fan
8 Condenser (→P. 538)
9 Radiator (→P. 538)

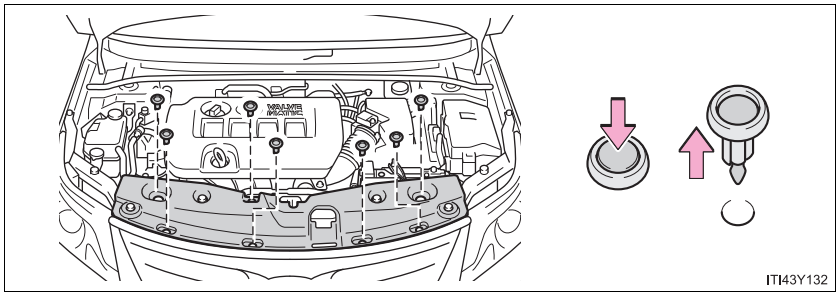
▶ Diesel engine



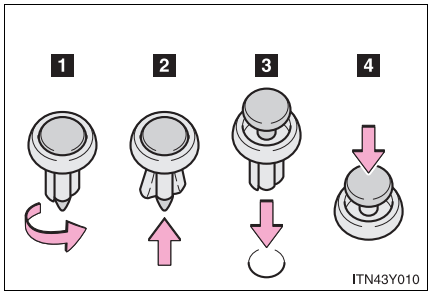
1 Washer fluid tank (→P. 542)
2 Engine coolant reservoir (→P. 536)
3 Engine oil level dipstick (→P. 530)
4 Engine oil filler cap (→P. 532)
5 Fuel filter (→P. 543, 706)
6 Fuse box (→P. 560)
7 Battery (→P. 538)
8 Cooling fans
9 Condenser (→P. 538)
10 Intercooler (→P. 538)
11 Radiator (→P. 538)

Engine compartment cover

Removing the engine compartment cover



Installing the clips



1 Rotate center portion
2 Push up center portion
3 Insert
4 Press

NOTICE

After installing an engine compartment cover

Make sure that the cover is securely installed in its original position.

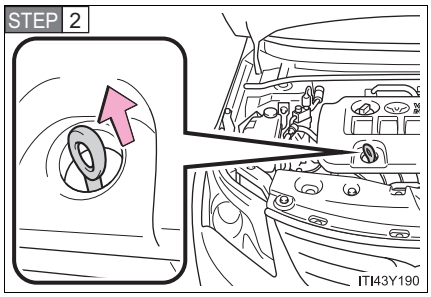
Engine oil

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.

STEP 2

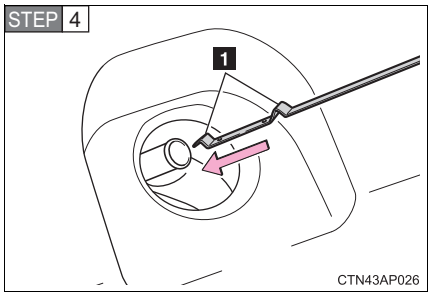


Hold a rag under the end and pull the dipstick out.

STEP 3 Wipe the dipstick clean.

STEP 4 Flat dipstick: Reinsert the dipstick fully.

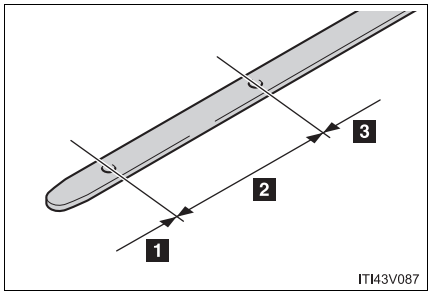
STEP 4



Non-flat dipstick: Reinsert the non-flat dipstick fully with its protruding areas (1 in the illustration) pointing towards the engine.

STEP 5 Holding a rag under the end, pull the dipstick out and check the oil level.

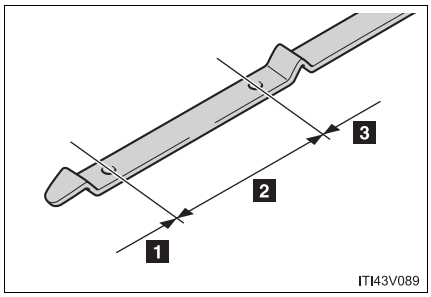
▶ Flat dipstick



1 Low
2 Normal
3 Excessive

The shape of the dipstick may differ depending on the type of vehicle or engine

▶ Non-flat dipstick

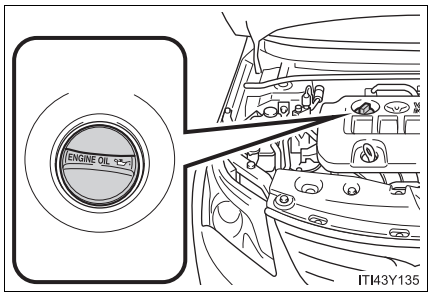


1 Low
2 Normal
3 Excessive

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. 719
Items	Clean funnel

STEP 1 Remove the oil filler cap.

STEP 2 Add engine oil slowly, checking the dipstick.

STEP 3 Install 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:

▶ Gasoline engine
1.5 L (1.6 qt., 1.3 Imp.qt.)

▶ 1AD-FTV engine
Vehicles with DPF catalytic converter:
1.6 L (1.7 qt., 1.4 Imp.qt.)
Vehicles without DPF catalytic converter:
1.7 L (1.8 qt., 1.5 Imp.qt.)

▶ 2AD-FTV and 2AD-FHV engines
1.6 L (1.7 qt., 1.4 Imp.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

■ **After changing the engine oil (diesel engine)**

The oil change system should be reset. Perform the following procedures:

▶ Vehicles with smart entry & start system

STEP 1 Switch the display to trip meter A (→P. 232) when the engine is running.

STEP 2 Turn the “ENGINE START STOP” switch OFF.

STEP 3 While pressing the trip meter reset button, set the “ENGINE START STOP” switch to IGNITION ON mode (but do not start the engine because otherwise the reset mode will be canceled). Continue to press and hold the button until the multi-information display indicates that the reset is complete.

▶ Vehicles without smart entry & start system

STEP 1 Switch the display to trip meter A (→P. 232) when the engine is running.

STEP 2 Turn the engine switch to the “LOCK” position.

STEP 3 While pressing the trip meter reset button, set the engine switch to the “ON” position (but do not start the engine because otherwise the reset mode will be canceled). Continue to press and hold the button until the multi-information display indicates that the reset is complete.

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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, service station or auto parts store for information concerning recycling or disposal.
- Do not leave used engine oil within the reach of children.

NOTICE

To prevent serious engine damage

Check the oil level on regular basis.

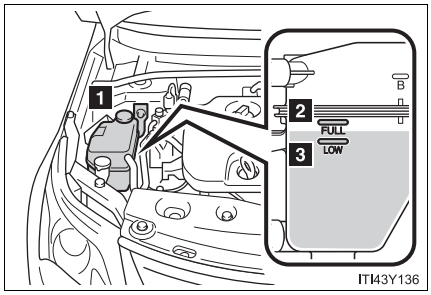
When replacing the engine oil

- 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 “FULL” and “LOW” lines on the reservoir when the engine is cold.

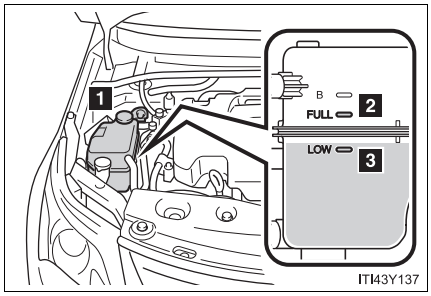
▶ Gasoline engine



1 Reservoir cap
2 “FULL”
3 “LOW”

If the level is on or below the “LOW” line, add coolant up to the “FULL” line.

▶ Diesel engine



1 Reservoir cap
2 “FULL”
3 “LOW”

If the level is on or below the “LOW” line, add coolant up to the “FULL” 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

CAUTION

When the engine is hot

Do not remove the coolant reservoir cap.
The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

NOTICE

When adding 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, condenser and intercooler

Check the radiator, condenser and intercooler (diesel engine) and clear any foreign objects.
If any of the above parts are extremely dirty or you are not sure of their condition, have your vehicle checked by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

⚠ CAUTION

■ When the engine is hot

Do not touch the radiator, condenser or intercooler, as they may be hot and cause serious injuries, such as burns.

Battery

Check the battery as follows.

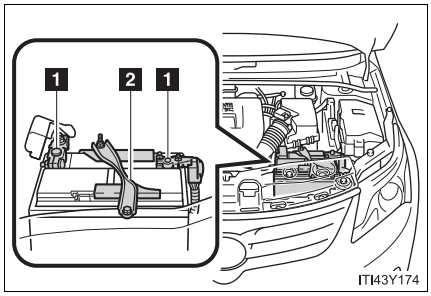
■ Caution symbol

The meanings of each caution symbol on the top of the battery are as follows:

	No smoking, no naked flames, no sparks		Battery acid
	Shield eyes		Note operating instructions
	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.



1 Terminals
2 Hold-down clamp

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.

■ **After recharging the battery (vehicles with smart entry & start system)**

The engine may not start. Follow the procedure below to initialize the system.

STEP 1 Depress the brake pedal with the shift lever in “N”.

STEP 2 Open and close any of the doors.

STEP 3 Restart the engine.

■ **When replacing the battery**

A proper battery should be used. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

⚠ 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 safely charge the battery**

Always charge the battery in an open area. Do not charge the battery in a garage or closed room where there is not sufficient ventilation.

CAUTION

How to recharge the battery

Only perform a slow charge (5 A or less). The battery may explode if charged at quicker rate.

Emergency measures regarding electrolyte

- If electrolyte gets in your eyes
  Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.
- If electrolyte gets on your skin
  Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
  It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
  Drink a large quantity of water or milk. Get emergency medical attention immediately.

NOTICE

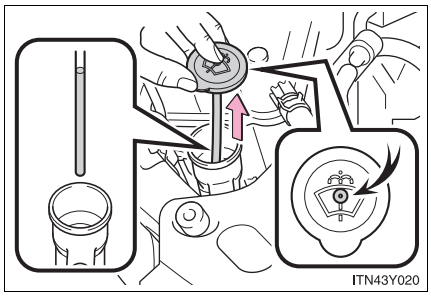
When recharging the battery

Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

When adding distilled water

- Avoid overfilling. Water spilled during battery recharging may cause corrosion.
- Do not spill distilled water onto the rubber components.

Washer fluid



If the fluid level is extremely low, add washer fluid.

Raise the cap keeping your finger pressed down on the hole in the center and check the fluid level in the tube.

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.

Diluting washer fluid

Dilute washer fluid with water as necessary.
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

Fuel filter (diesel engine)

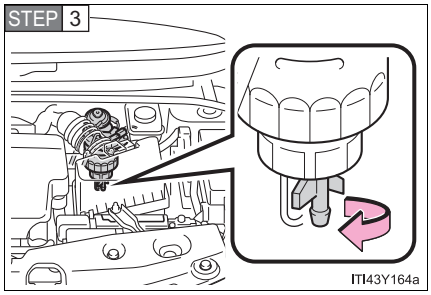
You may drain the fuel filter yourself. However, as the operation is difficult, we recommend having it drained by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. Event if you decide to drain it yourself, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

The water in the fuel filter needs to be drained if the “DRAIN WATER FROM FUEL FILTER” warning message is shown on the multi-information display and a buzzer sounds. (→P. 621)

STEP 1 Turn the “ENGINE START STOP” switch to off (vehicles with smart entry & start system) or the engine switch to the “LOCK” position (vehicles without smart entry & start system).

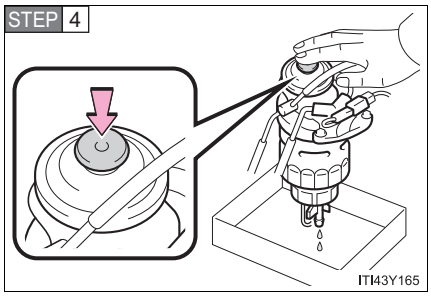
STEP 2 Place a small tray under the drain plug to catch the water and any fuel that comes out.

STEP 3



Turn the drain plug counterclockwise about 2 to 2 1/2 turns.

STEP 4

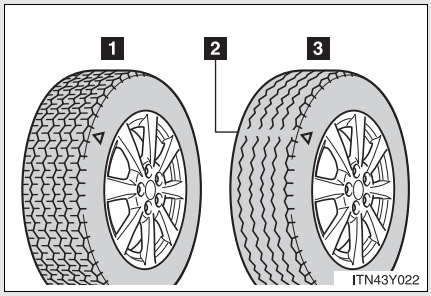


Operate the priming pump until fuel begins to run out.

STEP 5 After draining, tighten the drain plug by hand.

Replace the tires when the treadwear indicators show.

■ Checking tires



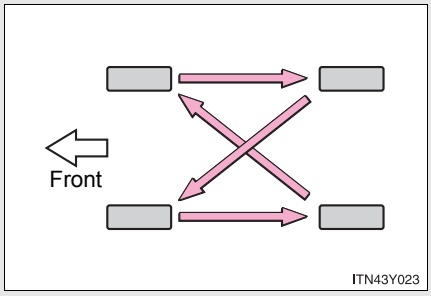
1 New tread
2 Treadwear indicator
3 Worn tread

The location of treadwear indicators is shown by the “TWI” or “△” marks, etc., molded on the sidewall of each tire.

Check spare tire condition and inflation pressure if not rotated.

■ Tire rotation

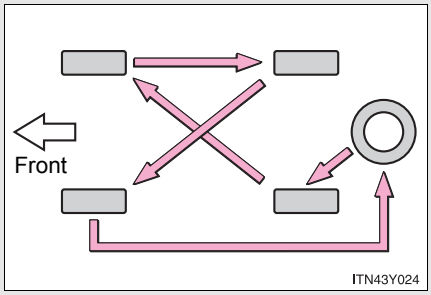
▶ Vehicles with a spare tire of different wheel type from the installed tires or an emergency puncture repair kit



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).

▶ Vehicles with a spare tire of same wheel type as the installed tires



■ **When to replace your vehicle's tires**

Tires should be replaced if:

- 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **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.

■ **If the tread wears down 4 mm (0.16 in.) or more on snow tires**

The effectiveness of snow tires is lost.

Low profile tires (225/45R18 tires)

Generally, low profile tires will wear more rapidly and tire grip performance will be reduced on snowy and/or icy roads when compared to standard tires. Be sure to use snow tires or tire chains on snowy and/or icy roads and drive carefully at a speed appropriate for road and weather conditions.

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 snow tires.
- Do not use tires that have been used on another vehicle.
  Do not use tires if you do not know how they were used previously.

NOTICE

Driving on rough roads

Take particular care when driving on roads with loose surfaces or pot holes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

Low profile tires (225/45R18 tires)

Low profile tires may cause greater damage than usual to the wheel when receiving impact from the road surface. Therefore pay attention to the following:

- Be sure to use proper tire inflation pressure. If tires are under-inflated, they may be damaged more severely.
- Avoid pot holes, uneven pavement, curbs and other road hazards. Failure to do so can lead to severe tire and wheel damage.

Extra Load tires (225/45R18 95W tires)

2AD-FTV and 2AD-FHV engines: Vehicles fitted with 18 inch tires have Extra Load capacity (95W) due to front axle weight. When replacing the tires in after market, the customer should select tires with same load index.

If tire inflation pressures become low while driving

Do not continue driving, or your tires and/or wheels may be ruined.

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. (→P. 731)

■ Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel efficiency
- Reduced driving comfort and tire life
- Reduced safety
- Damage to the drive train

If a tire needs frequent refilling, have it checked by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ 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.
  The appearance of the tire can be misleading. In addition, tire inflation pressures that are even just a few pounds off can degrade ride and handling.
- Do not bleed or reduce tire inflation pressure after driving. It is normal for the tire inflation pressure to be higher after driving.
- Never exceed the vehicle capacity weight.
  Passengers and luggage weight should be placed so that the vehicle is balanced.

CAUTION

■ Proper inflation is critical to save tire performance

Keep your tires properly inflated. Otherwise, the following conditions may occur and result in an accident causing death or serious injury.

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Poor sealing of the tire bead
- Wheel deformation and/or tire separation
- A greater possibility of tire damage from road hazards

NOTICE

■ When inspecting and adjusting tire inflation pressure

Be sure to reinstall the tire valve caps.
Without the valve caps, dirt or moisture could get into the valve and cause air leakage, which could result in an accident. If the caps have been lost, replace them as soon as possible.

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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

*: 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

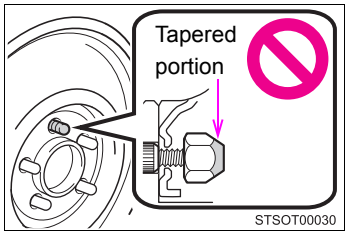
- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

CAUTION

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.

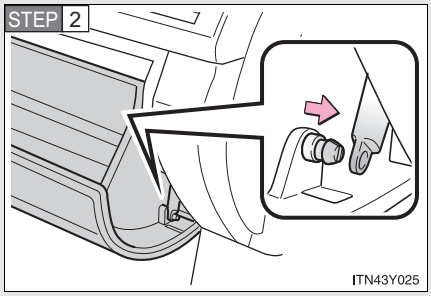
Air conditioning filter

The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

■ Removal method

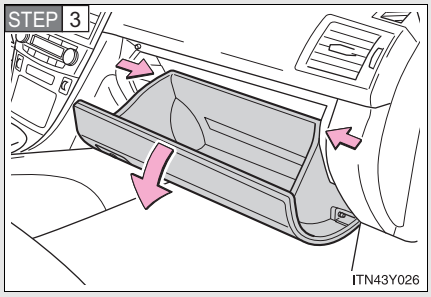
STEP 1 Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch OFF.
Vehicles without smart entry & start system: Turn the engine switch to the “LOCK” position.

STEP 2



Open the glove box. Slide off the damper.

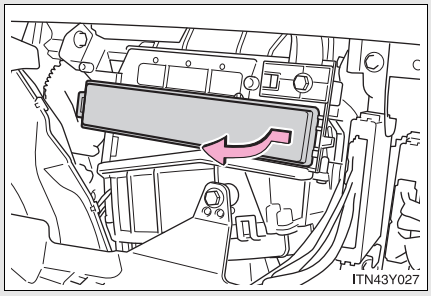
STEP 3



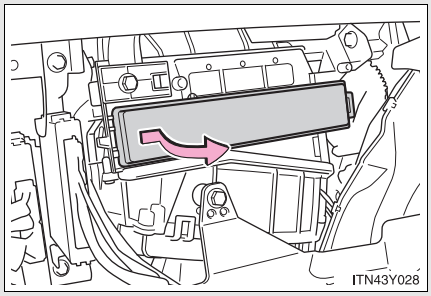
Push in each side of the glove box to disconnect the claws.

STEP 4 Remove the filter cover.

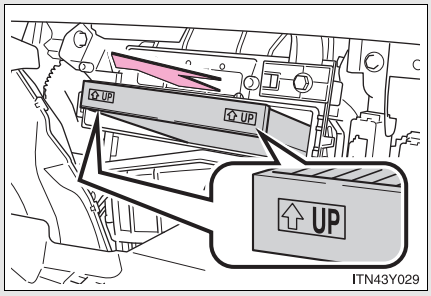
▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



■ **Replacement method**



Remove the air conditioning filter and replace it with a new one.

The "↑UP" marks shown on the filter should be pointing up.

■ **Checking interval**

Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required. (For scheduled maintenance information, please refer to the “Toyota Service Booklet” or “Toyota Warranty Booklet”.)

■ **If air flow from the vents decreases dramatically**

The filter may be clogged. Check the filter and replace if necessary.

⚠ NOTICE

■ **To prevent damage to the system**

When using the air conditioning system, make sure that a filter is always installed.

Key battery

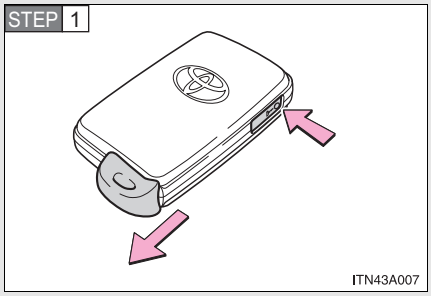
Replace the battery with a new one if it is discharged.

You will need the following items:

- Flathead screwdriver (To prevent damage to the key, cover the tip of the screwdriver with rag.)
- Small Phillips-head screwdriver
- Lithium battery
  Vehicles with smart entry & start system: CR1632
  Vehicles without smart entry & start system: CR2016

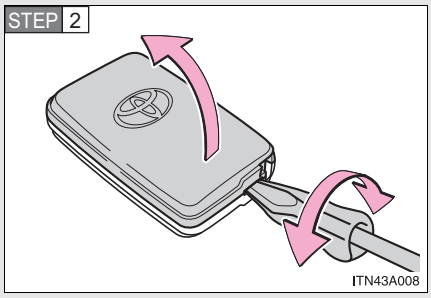
Replacing the battery (vehicles with smart entry & start system)

STEP 1



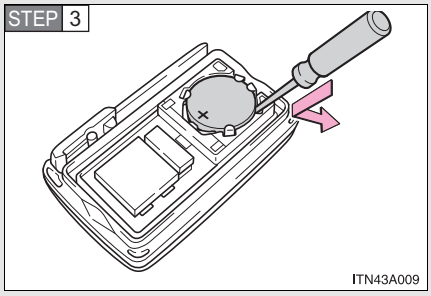
Take out the mechanical key.

STEP 2



Remove the cover.

STEP 3

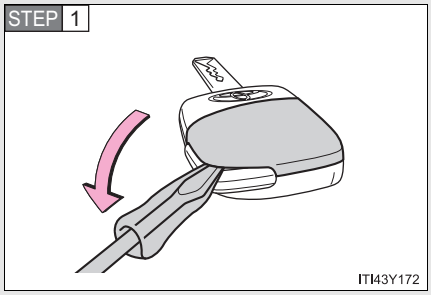


Remove the depleted battery.

Insert a new battery with the "+" terminal facing up.

■ **Replacing the battery (vehicles without smart entry & start system)**

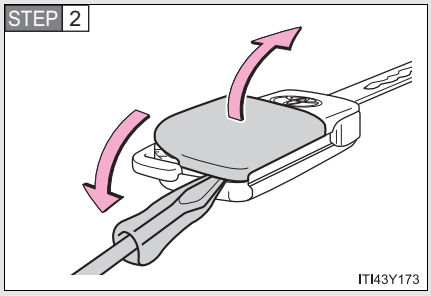
STEP 1



Lift the cover.

Insert the screw driver in the slot and push down.

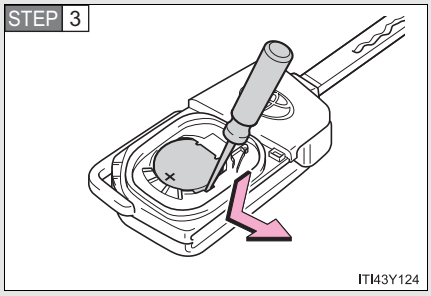
STEP 2



Remove the cover.

Insert the screw driver in the bottom of the key and push down.

STEP 3



Remove the depleted battery.

Insert a new battery with the “+” terminal facing up.

■ **If the key battery is discharged**

The following symptoms may occur.

- The smart entry & start system and wireless remote control will not function properly.
- The operational range is reduced.

■ **Use the following types of lithium battery**

Vehicles with smart entry & start system: CR1632

Vehicles without smart entry & start system: CR2016

- Batteries can be purchased at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, jewelers, or camera stores.
- Replace only with the same or equivalent type recommended by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- 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.

■ **Certification for the smart entry & start system**

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

NOTICE

■ **For normal operation after replacing the battery**

Observe the following precautions to prevent accidents.

- Always work with dry hands.
  Moisture may cause the battery to rust.
- Do not touch or move any other components inside the remote control.
- Do not bend the battery terminals.
- Please perform this operation in a clean environment to avoid garbage, oil, etc. insertion in the key.

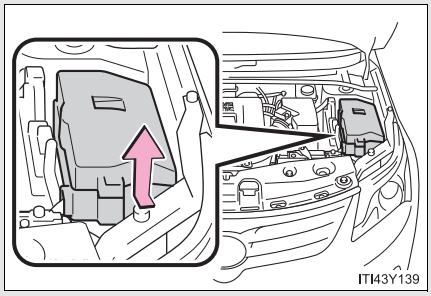
Checking and replacing fuses

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 Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch OFF.
Vehicles without smart entry & start system: Turn the engine switch to the “LOCK” position.

STEP 2 The fuses are located in the following places. To check the fuses, follow the instructions below.

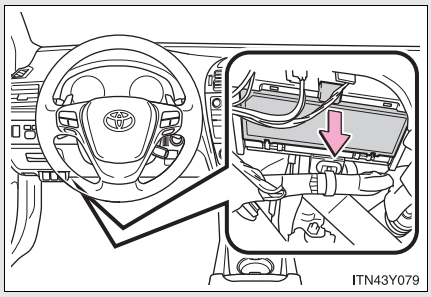
■ **Engine compartment**



Push the tab in and lift the lid off.

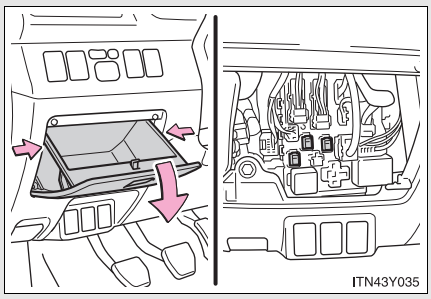
■ **Under the instrument panel (left-hand drive vehicles)**

▶ Driver’s side instrument panel (type A)



Remove the lid.

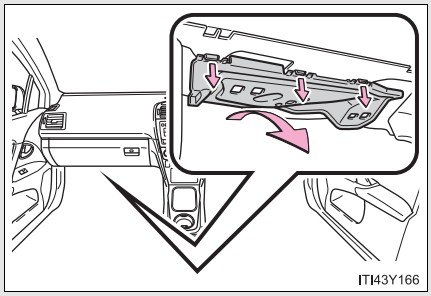
▶ Driver's side instrument panel (type B)



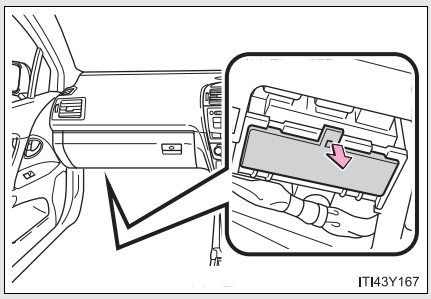
Remove the coin box.

■ **Under the instrument panel (right-hand drive vehicles)**

▶ Passenger's side instrument panel (type A)

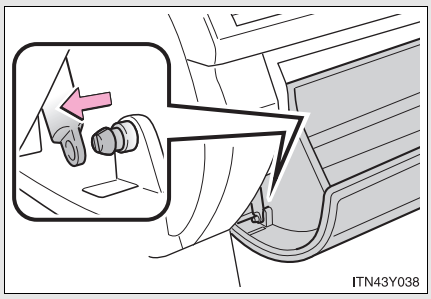


Remove the cover.

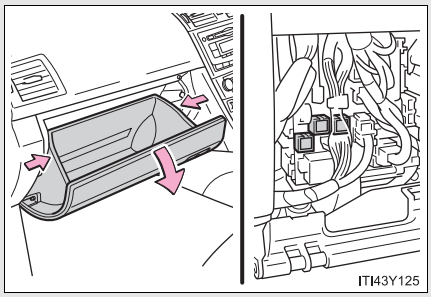


Remove the lid.

▶ Passenger's side instrument panel (type B)

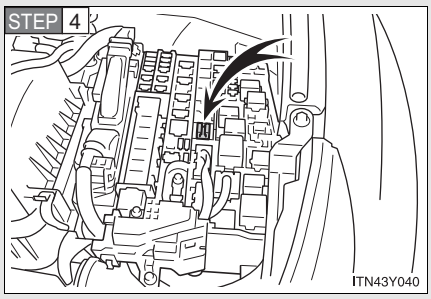


Open the glove box. Slide off the damper.



Push in each side of the glove box to disconnect the claws.

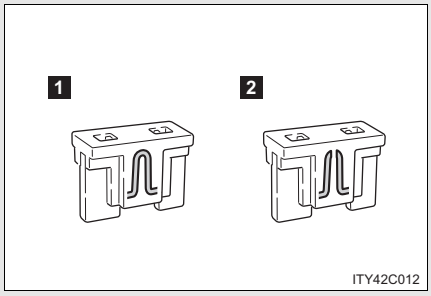
STEP 3 After a system failure, see "Fuse layout and amperage ratings" (→P. 565) for details about which fuse to check.



Remove the fuse with the pull-out tool.

STEP 5 Check if the fuse has blown.

▶ Type A

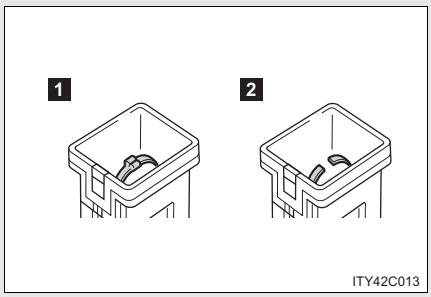


1 Normal fuse

2 Blown fuse

Replace it with one of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

▶ Type B

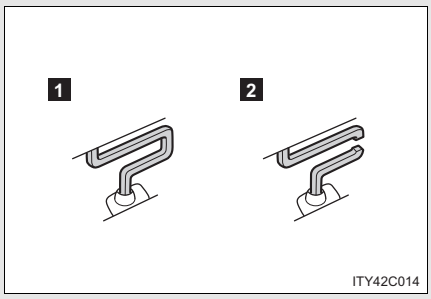


1 Normal fuse

2 Blown fuse

Replace it with one of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

▶ Type C

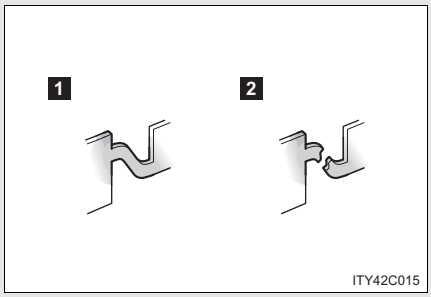


1 Normal fuse

2 Blown fuse

Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

▶ Type D



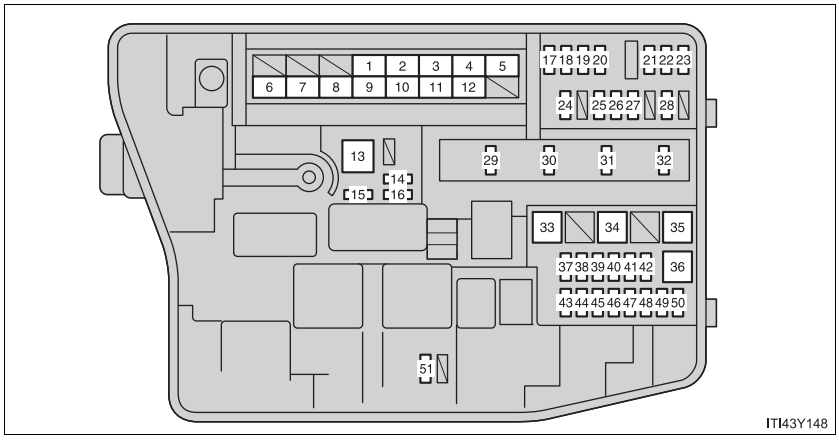
1 Normal fuse

2 Blown fuse

Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Fuse layout and amperage ratings

Engine compartment



Fuse		Ampere	Circuit
1	H-LP CLN	30 A	Headlight cleaner
2	RDI FAN	40 A	Electric cooling fan(s)
3	CDS FAN	30 A	Electric cooling fan(s)*1
4	ABS NO.1	50 A	Anti-lock brake system, VSC
5	HTR	50 A	Air conditioning system

Fuse		Ampere	Circuit
6	ALT	120 A*2	RDI FAN, CDS FAN, H-LP CLN, PWR SEAT LH, FUEL OPN, ABS NO.1, ABS NO.2, FR DEICER, PSB, HTR, STV HTR, PWR OUTLET, HTR SUB NO.1, HTR SUB NO.2, HTR SUB NO.3, ECU-IG NO.2, HTR-IG, WIPER, RR WIPER, WASHER, ECU-IG NO.1, ECU-IG NO.3, SEAT HTR, AM1, DOOR, STOP, P FR DOOR, POWER, RR DOOR, RL DOOR, OBD, ACC-B, RR FOG, FR FOG, TI & TE, SHADE, PWR SEAT RH, DEF, TAIL, DRL
		140 A*1	
7	EPS	80 A	Electric power steering
8	GLOW*1	80 A	Engine glow system
9	P-SYSTEM*2	30 A	VALVEMATIC system
10	EFI MAIN*1	50 A	Multiport fuel injection system/ sequential multiport fuel injection system, EFI NO.1, EFI NO.2
11	P/I	50 A	EFI MAIN, HORN, IG2, EDU
12	H-LP MAIN	50 A	H-LP LH LO, H-LP RH LO, H-LP LH HI, H-LP RH HI
13	E-PKB	30 A	Electric parking brake
14	SPARE	10 A	Spare fuse
15	SPARE	30 A	Spare fuse
16	SPARE	20 A	Spare fuse
17	AMP	30 A	Audio system

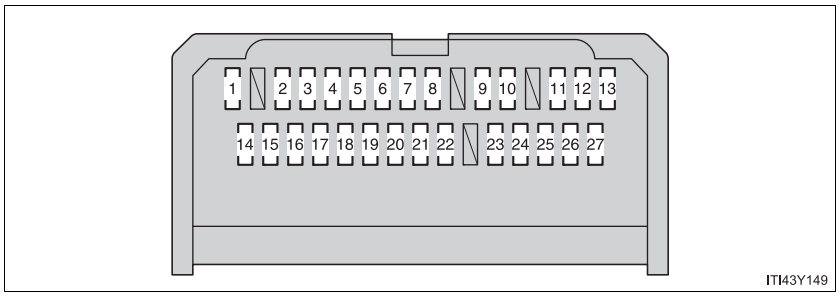
Fuse		Ampere	Circuit
18	DOOR NO.2	25 A	Power door lock system
19	EFI MAIN NO.2*1	7.5 A	Multiport fuel injection system/ sequential multiport fuel injection system
20	ECU-B2	10 A	Smart entry & start system, air conditioning system, power windows, power seat
21	ECU-B	10 A	Gauges and meters, main body ECU, steering sensor, wireless remote control, smart entry & start system, tilt and telescopic steering
22	RAD NO.1	15 A	Audio system
23	DOME	10 A	Trunk/luggage compartment light, vanity lights, front door courtesy lights, personal/interior lights, personal lights, foot lights
24	AM2 NO.2	7.5 A	Starting system
25	TURN-HAZ	10 A	Turn signal lights, emergency flashers
26	ETCS*2	10 A	Electronic throttle control system
27	AM2	30 A	Starting system
28	STRG LOCK	20 A	Steering lock system

Fuse		Ampere	Circuit
29	IGT/INJ*2	15 A	Multiport fuel injection system/ sequential multiport fuel injection system, ignition system
	EDU*1	20 A	Multiport fuel injection system/ sequential multiport fuel injection system
30	EFI MAIN*2	20 A	Multiport fuel injection system/ sequential multiport fuel injection system, EFI NO.1, EFI NO.2
	FUEL OPN*1	10 A	Fuel filler door opener
31	HORN	15 A	Horn
32	IG2	15 A	IGN, METER
33	HTR SUB NO.1	30 A	Air conditioning system
34	HTR SUB NO.2	30 A	Air conditioning system
35	HTR SUB NO.3	30 A	Air conditioning system
36	PWR SEAT LH	30 A	Power seat, lumber support
37	PWR OUTLET	15 A	Power outlet
38	PSB	30 A	Pre-crash seat belt
39	FUEL OPN*2	10 A	Fuel filler door opener
40	FR DEICER	20 A	Windshield wiper de-icer
41	ABS NO.2	30 A	Anti-lock brake system, VSC
42	STV HTR*1	25 A	Power heater

Fuse		Ampere	Circuit
43	EFI NO.4*1	30 A	Multiport fuel injection system/ sequential multiport fuel injection system, EFI NO.1, EFI NO.2
44	IG2 NO.2	7.5 A	Starting system
45	EFI NO.2	10 A	Air intake system, air flow meter, exhaust system
46	EFI NO.1	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, air flow meter, exhaust system*1
47	H-LP RH HI	10 A	Right-hand headlight (high beam)
48	H-LP LH HI	10 A	Left-hand headlight (high beam)
49	H-LP RH LO	15 A*4	Right-hand headlight (low beam)
		10 A*5	
50	H-LP LH LO	15 A*4	Left-hand headlight (low beam)
		10 A*5	
51	EFI NO.3*3	7.5 A	Automatic transmission

*1: Vehicles with diesel engine
*2: Vehicles with gasoline engine
*3: Vehicles with diesel engine and automatic transmission
*4: Vehicles with discharge headlights
*5: Vehicles without discharge headlights

■ Under the instrument panel (type A)



Fuse		Ampere	Circuit
1	TAIL	10 A	Front position lights, tail lights, license plate lights, rear fog light, front fog lights, manual headlight leveling dial, instrument panel lights, air conditioning system switch, audio system, Multidrive or automatic transmission shift lever illumination, glove box light, airbag manual on-off system, emergency flashers, cigarette lighter, “AFS OFF” switch, speed limiter switch, electric parking brake switch, steering switch, VSC OFF switch, Toyota parking assist-sensor switch, “LKA” switch, seat heater switch, “SPORT” switch, outside rear view mirror switches, fuel filler door opener switch

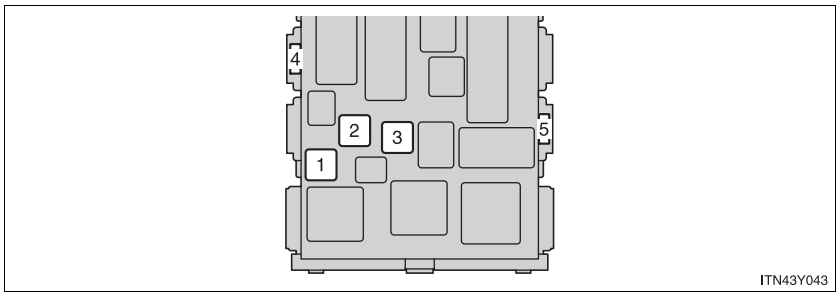
Fuse		Ampere	Circuit
2	ECU-IG NO.3	10 A	Toyota parking assist-sensor, AFS, windshield wiper de-icer, electric parking brake, pre-crash seat belt, paddle shift switch, tilt & telescopic steering, electric power steering
3	P FR DOOR	20 A	Power windows (passenger side)
4	RL DOOR	20 A	Power windows (rear left)
5	RR DOOR	20 A	Power windows (rear right)
6	SHADE	20 A	Panoramic roof shade*1
7	CIG	15 A	Cigarette lighter
8	ACC	7.5 A	Outside rear view mirrors, shift lock system, audio system, main body ECU, power outlet
9	MIR HTR	10 A	Outside rear view mirror defoggers
10	TI & TE	30 A	Tilt & telescopic steering
11	RR FOG	7.5 A	Rear fog light
12	IGN	7.5 A	Steering lock system, SRS airbag system, multiport fuel injection system/sequential multiport fuel injection system, automatic transmission*2, starting system

Fuse		Ampere	Circuit
13	METER	7.5 A	Gauges and meters
14	SEAT HTR	15 A	Seat heaters
15	HTR-IG	10 A	Air conditioning system
16	WIPER	30 A	Windshield wipers, rain sensing windshield wipers
17	RR WIPER	15 A	Rear window wiper*1
18	WASHER	15 A	Windshield washers, rear window washer*1
19	ECU-IG NO.1	10 A	Main body ECU, smart entry & start system, electric cooling fan(s), shift lock system, panoramic roof shade*1, auto anti-glare inside rear view mirror, anti-lock brake system, steering sensor, yaw rate & G sensor, VSC, headlight cleaner, pre-crash safety system, LKA, driver support system
20	ECU-IG NO.2	10 A	Back-up lights, charging system, emergency flashers, rear window defogger, “PASSENGER AIRBAG” indicator, air conditioning system, AFS, rear view monitor, Toyota parking assist-sensor
21	OBD	7.5 A	On-board diagnosis system

Fuse		Ampere	Circuit
22	STOP	10 A	Stop lights, high mounted stop-light, anti-lock brake system, VSC, multiport fuel injection system/ sequential multiport fuel injection system, automatic transmission*2, shift lock system, starting system
23	DOOR	25 A	Power door lock system
24	ACC-B	25 A	CIG, ACC
25	DRL	7.5 A	Daytime running light system
26	FR FOG	7.5 A	Front fog lights
27	AM1	7.5 A	Starting system, ACC, CIG, ECU-IG NO.2, HTR-IG, WIPER, RR WIPER, WASHER, ECU-IG NO.1, ECU-IG NO.3, SEAT HTR

*1: Wagon only
*2: Vehicles with diesel engine and automatic transmission

■ Under the instrument panel (type B)



Fuse		Ampere	Circuit
1	POWER	30 A	Power windows (driver side)
2	DEF	40 A	Rear window defogger, MIR HTR
3	PWR SEAT RH	30 A	Power seat, lumber support
4	WIPER NO.2*1	7.5 A	Charging system, driver support system ECU
5	WIPER NO.2*2	7.5 A	Charging system, driver support system ECU

*1: Left-hand drive vehicle
*2: Right-hand drive vehicle

■ **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. 576)
- If the replaced fuse blows again, have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **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.

⚠ NOTICE

■ **Before replacing fuses**

Have the cause of electrical overload determined and repaired by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, as soon as possible.

Light bulbs

You may replace the following bulbs yourself. The difficulty level of replacement varies depending on the bulb. As there is a danger that components may be damaged, we recommend that replacement is carried out by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

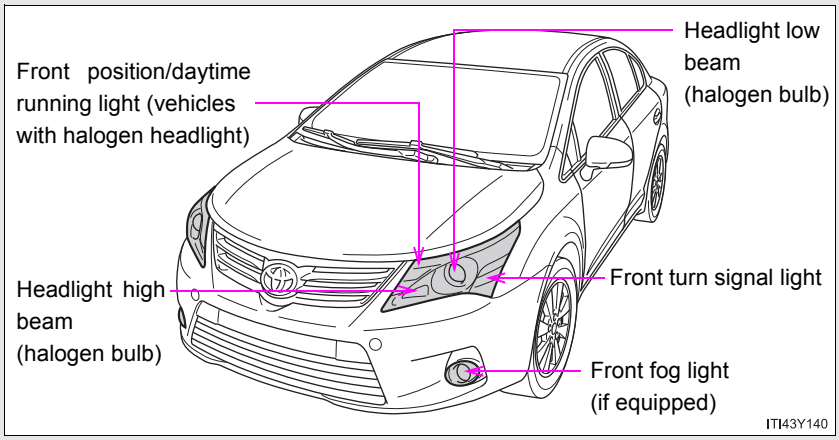
■ Prepare a replacement light bulb

Check the wattage of the light bulb being replaced. (→P. 736)

■ Remove the engine compartment cover

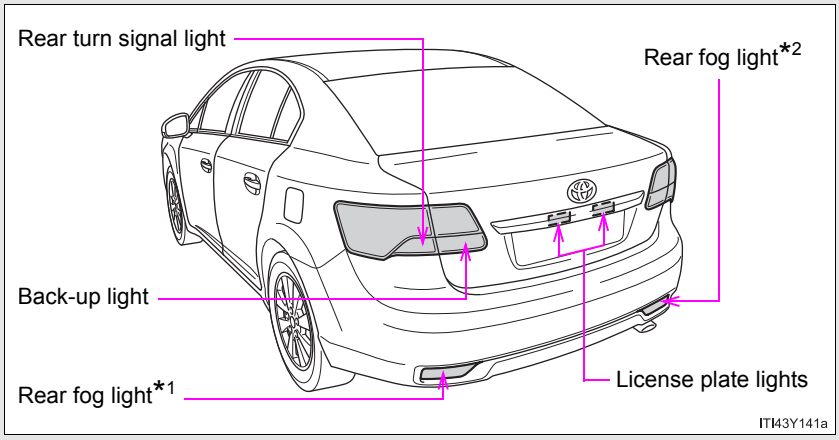
→P. 529

■ Front bulb locations

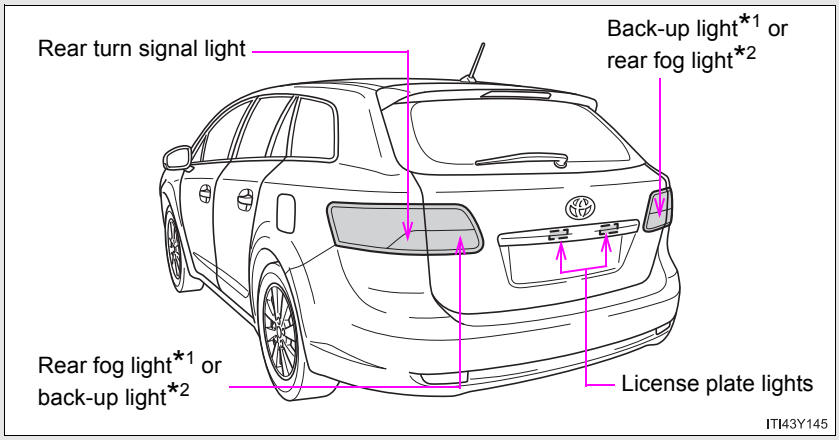


■ Rear bulb locations

▶ Sedan



▶ Wagon

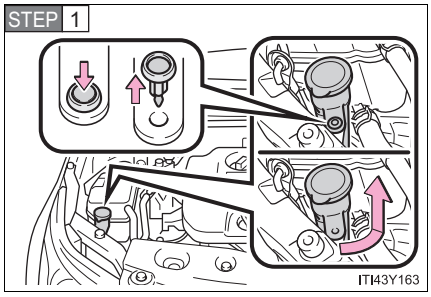


*1: Left-hand drive vehicles

*2: Right-hand drive vehicles

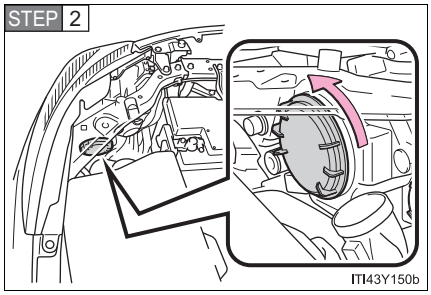
Replacing light bulbs

■ Headlight low beam (vehicles with halogen bulbs)

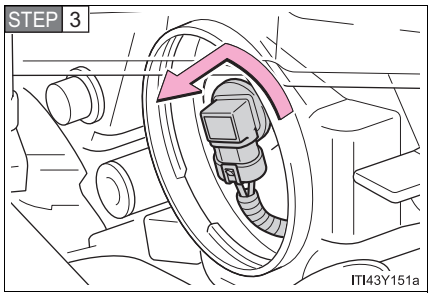


For the right side only: Remove the securing clip and turn and pull off the washer fluid filler opener.

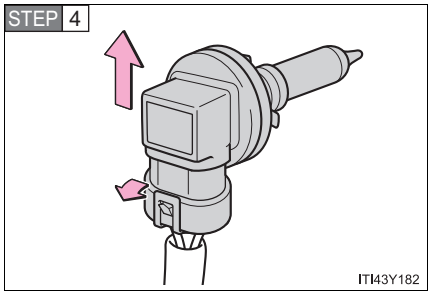
Install the washer fluid filler opener in the reverse order of removal.



Turn the cover counterclockwise and remove it.



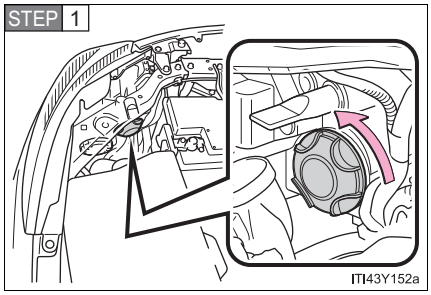
Turn the bulb base counterclockwise.



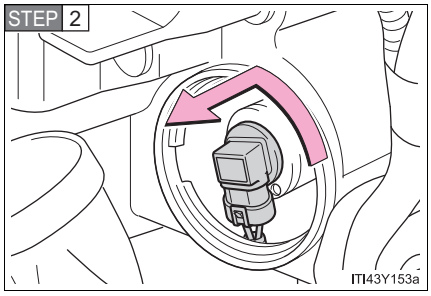
Unplug the connector while pulling the lock release.

STEP 5 When installing, reverse the steps listed.

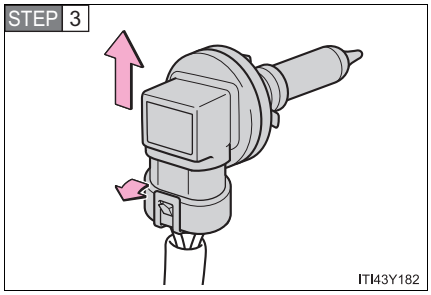
■ **Headlight high beam (vehicles with halogen bulbs)**



Turn the cover counterclockwise and remove it.



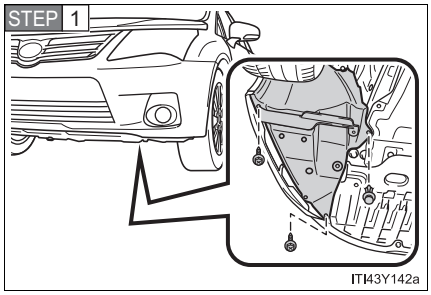
Turn the bulb base counterclockwise.



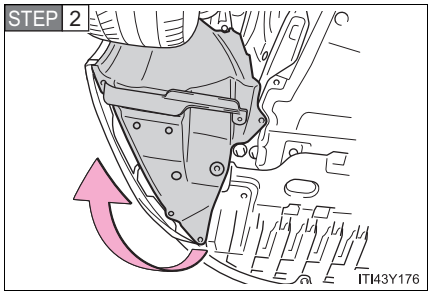
Unplug the connector while pulling the lock release.

STEP 4 When installing, reverse the steps listed.

■ **Front fog light (if equipped)**

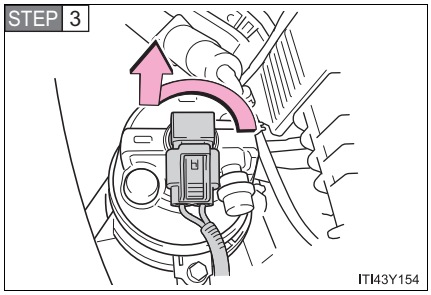


Remove the fender liner bolts and clip.



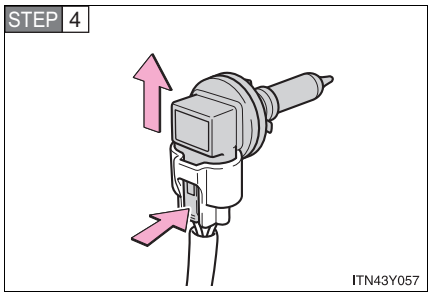
Partly remove the fender liner.

STEP 3



Turn the bulb base counterclockwise.

STEP 4

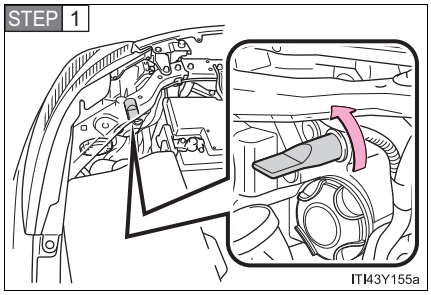


Unplug the connector while pushing the lock release.

STEP 5 When installing, reverse the steps listed.

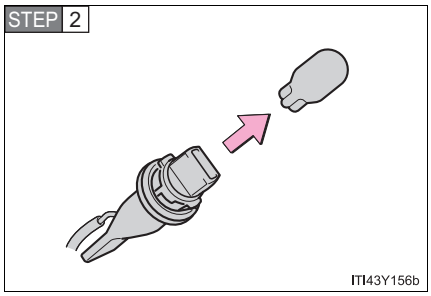
■ **Front position/daytime running light (vehicles with halogen headlight)**

STEP 1



Turn the bulb base counterclockwise.

STEP 2

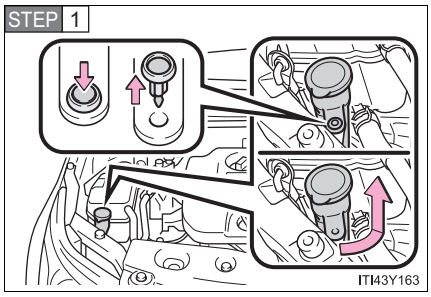


Remove the light bulb.

STEP 3 When installing, reverse the steps listed.

■ Front turn signal light

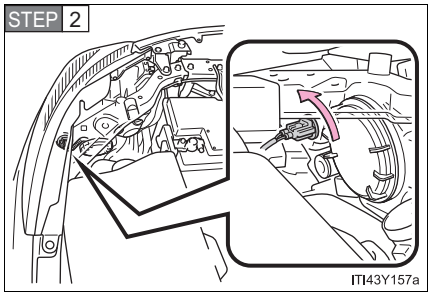
STEP 1



For the right side only: Remove the securing clip and turn and pull off the washer fluid filler opener.

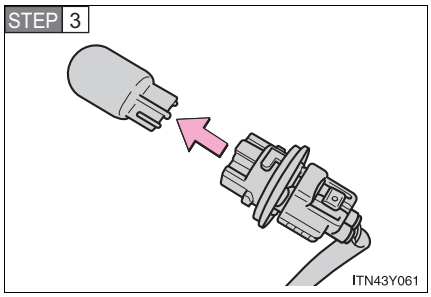
Install the washer fluid filler opener in the reverse order of removal.

STEP 2



Turn the bulb base counterclockwise.

STEP 3

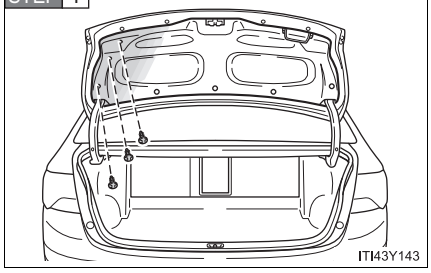


Remove the light bulb.

STEP 4 When installing, reverse the steps listed.

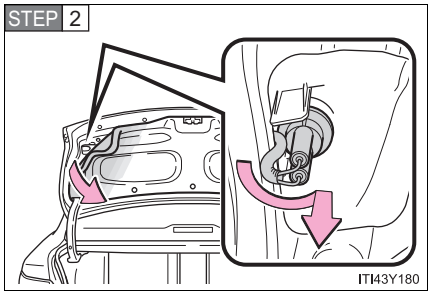
■ **Back-up light (sedan)**

STEP 1



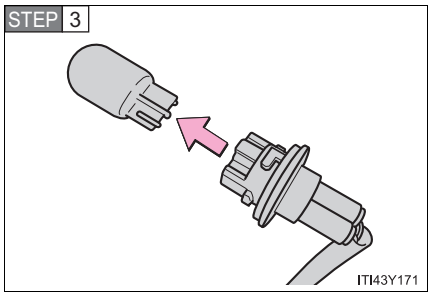
Open the trunk and remove the cover clips.

STEP 2



Partly remove the trunk panel cover and turn the bulb bases counterclockwise.

STEP 3

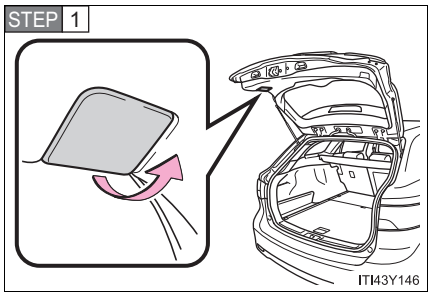


Remove the light bulb.

STEP 4 When installing, reverse the steps listed.

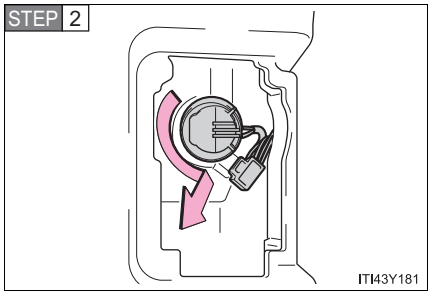
■ **Back-up light/rear fog light (wagon)**

STEP 1



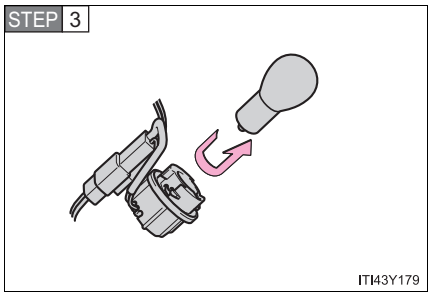
Open the back door and remove the cover.

STEP 2



Turn the bulb bases counter-clockwise.

STEP 3

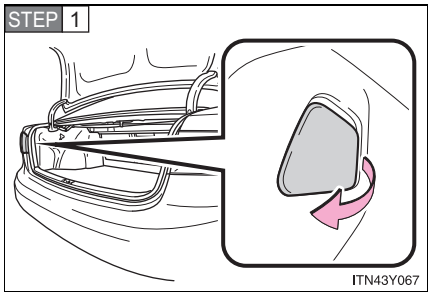


Remove the light bulb.

STEP 4 When installing, reverse the steps listed.

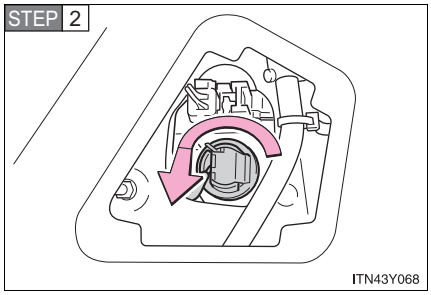
■ **Rear turn signal light (sedan)**

STEP 1



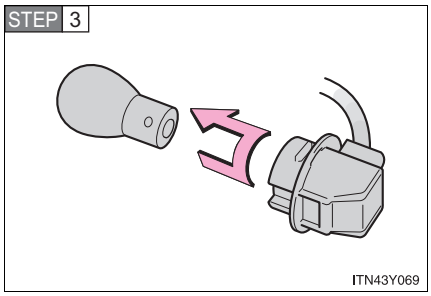
Open the trunk and remove the cover.

STEP 2



Turn the bulb bases counter-clockwise.

STEP 3

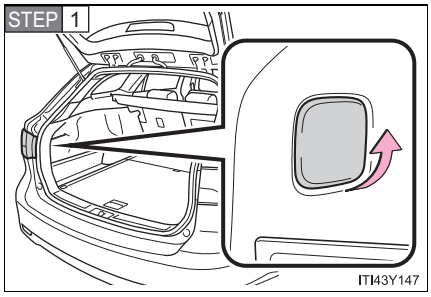


Remove the light bulb.

STEP 4 When installing, reverse the steps listed.

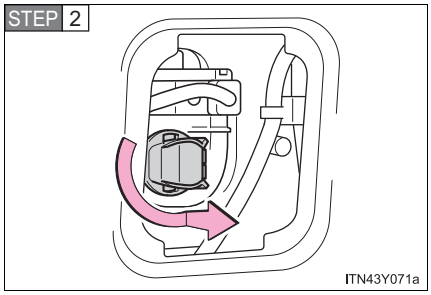
■ **Rear turn signal light (wagon)**

STEP 1



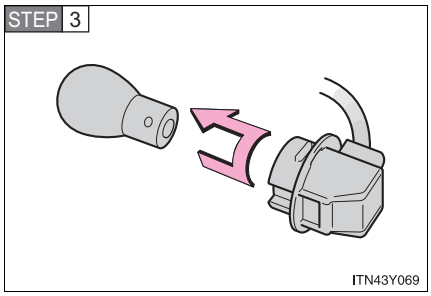
Open the back door and remove the cover.

STEP 2



Turn the bulb bases counter-clockwise.

STEP 3

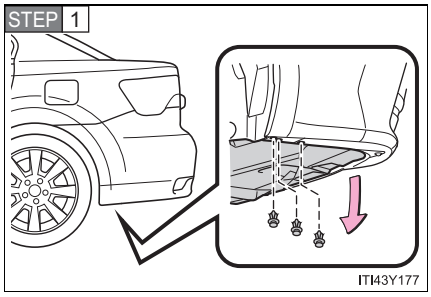


Remove the light bulb.

STEP 4 When installing, reverse the steps listed.

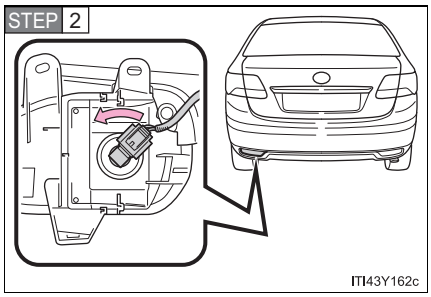
■ **Rear fog light (sedan)**

STEP 1



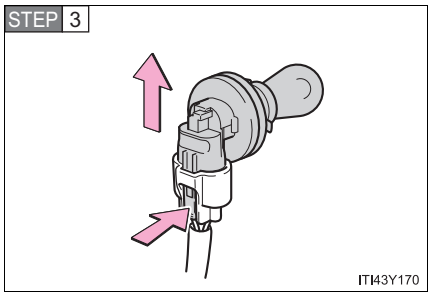
Left-hand drive vehicles:
Remove the clip and partly remove the under cover.

STEP 2



Turn the bulb bases counter-clockwise.

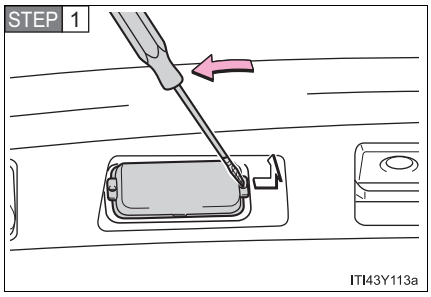
STEP 3



Unplug the connector while pushing the lock release.

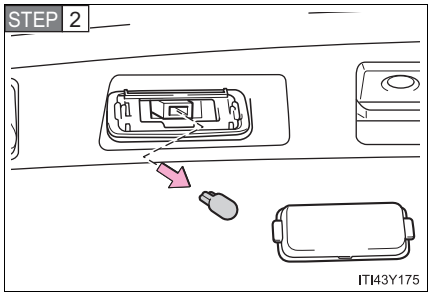
STEP 4 When installing, reverse the steps listed.

■ **License plate light**



Remove the cover.

To prevent damaging the vehicle, wrap the flathead screwdriver with a tape.



Remove the light bulb.

STEP 3 When installing, reverse the steps listed.

■ **Replacing the following bulbs**

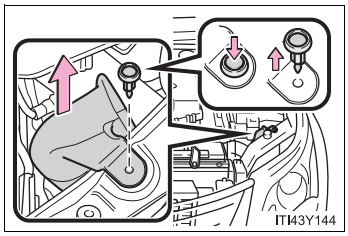
If any of the lights listed below has burnt out, have it replaced by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

- Headlight low or high beams (vehicles with discharge headlights)
- Front position/daytime running lights (vehicles with discharge headlights)
- Side turn signal lights
- Stop lights
- Tail lights
- High mounted stoplight

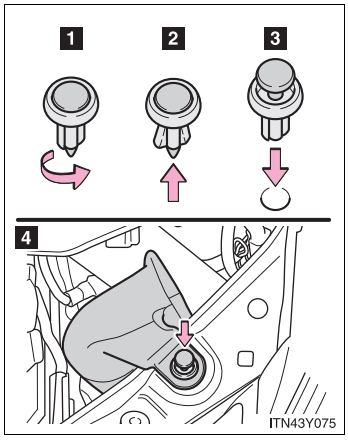
■ **When replacing the front left headlight low beam (vehicles with halogen headlight) and front left turn signal light bulbs**

Remove the securing clip and the upper of the air cleaner duct to allow easy access to light bulbs.
After replacing the bulbs, make sure to firmly install the upper portion of the air cleaner duct and secure it with the clip.

● Remove the upper of the air cleaner duct



● Installing the clip



1 Rotate center portion
2 Push up center portion
3 Insert
4 Press

■ **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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, 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.

■ **Discharge headlights**

If voltage to the discharge bulbs is insufficient, the bulbs may not come on, or may go out temporarily. The discharge bulbs will come on when normal power is restored.

■ **LED lights**

The front position/daytime running (vehicles with discharge headlights), side turn signal, stop, tail lights and high mounted stoplight consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to any authorized Toyota dealer or repairer, or another duly qualified and equipped professional to have the light replaced.

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. Hold the bulb by the plastic or metal portion.
  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.
- Do not attempt to repair or disassemble light bulbs, connectors, electric circuits or component parts.
  Doing so may result in death or serious injury due to electric shock.

■ **Discharge headlights**

- Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, before replacing discharge headlights (including light bulbs).
- Do not touch the high-intensity discharge headlight's high voltage socket when the headlights are turned on.
  An extremely high voltage of 20000 V will be discharged and could result in serious injury or death by electric shock.

■ **To prevent damage or fire**

Make sure bulbs are fully seated and locked.

When trouble arises 5

5-1. Essential information

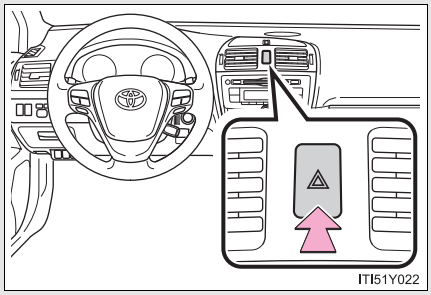
Emergency flashers 596
If your vehicle needs to be towed 597
If you think something is wrong 607
Fuel pump shut off system (gasoline engine) 608

5-2. Steps to take in an emergency

If a warning light turns on or a warning buzzer sounds 609
If a warning message is displayed 616
If you have a flat tire (vehicles with a spare tire for sedan) 640
If you have a flat tire (vehicles with a spare tire for wagon) 654
If you have a flat tire (vehicles without a spare tire) 668
If the engine will not start 681
If the shift lever cannot be shifted from “P” 684
If the parking brake cannot be released 685
If you lose your keys 691
If you cannot operate the trunk opener (sedan) 692
If you cannot operate the back door opener (wagon) 693
If the electronic key does not operate properly 694
If the battery is discharged 697
If your vehicle overheats 702
If you run out of fuel and the engine stalls (diesel engine) 706
If the vehicle becomes stuck 707
If your vehicle has to be stopped in an emergency 709

Emergency flashers

The emergency flashers are used to warn other drivers when the vehicle has to be stopped in the road due to a breakdown, etc.



Press the switch.

All the turn signal lights will flash.
To turn them off press the switch once again.

Emergency flashers

If the emergency flashers are used for a long time while the engine is not operating, the battery may discharge.

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, such as a commercial towing service, using a lift-type truck or a flat bed truck.
Use a safety chain system for all towing, and abide by all state/provincial and local laws.
If towing from the front, the vehicle's rear wheels and axles must be in good condition. (→P. 604)
If they are damaged, use a towing dolly or flat bed truck.

Before towing

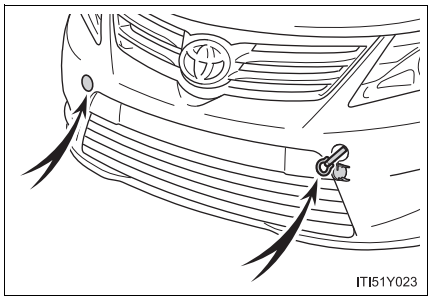
The following may indicate a problem with your transmission. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, before towing.

- The engine is running, but the vehicle will not move.
- The vehicle makes an abnormal sound.

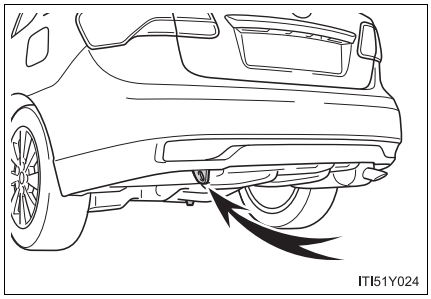
Emergency towing

If a tow truck is not available, in an emergency your vehicle may be temporarily towed using a cable or chain secured to the emergency towing eyelets or hook. This should only be attempted on hard, surfaced roads for short distances at low speeds.
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.

▶ Towing eyelets (front)



▶ Towing hook (rear)



■ **Emergency towing procedure**

▶ Vehicles with smart entry & start system

STEP 1 Release the parking brake.

STEP 2 Put the shift lever in “N”.

STEP 3 The “ENGINE START STOP” switch must be in ACCESSORY mode (engine off) or IGNITION ON mode (engine running).

▶ Vehicles without smart entry & start system

STEP 1 Release the parking brake.

STEP 2 Put the shift lever in “N”.

STEP 3 Put the engine switch in the “ACC” (engine off) or “ON” position (engine running).

⚠ CAUTION

■ **While towing**

- Use extreme caution when towing the vehicle.
  Avoid sudden starts or erratic driving maneuvers which place excessive stress on the emergency towing eyelets and the cables or chains. Always be cautious of the surroundings and other vehicles 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.

NOTICE

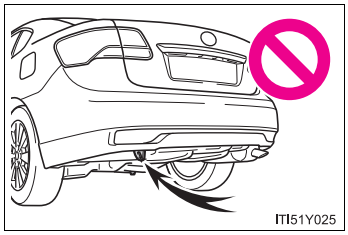
■ **To prevent causing serious damage to the transmission (vehicles with a Multidrive or automatic transmission)**

Never tow this vehicle from the rear with the front wheels on the ground. This may cause serious damage to the transmission.

■ **When towing a vehicle without using a towing dolly (vehicles with a manual transmission)**

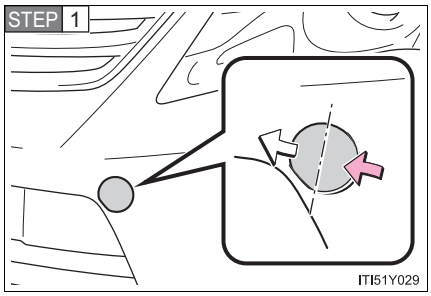
Vehicles with smart entry & start system: The “ENGINE START STOP” switch must not be OFF.
Vehicles without smart entry & start system: The engine switch must not be “LOCK” position.

■ **To avoid serious damage to your vehicle (vehicles with a Multidrive or automatic transmission)**



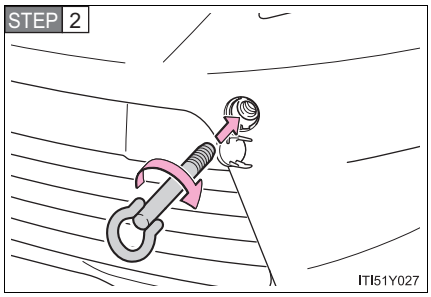
Do not use the rear emergency towing hook.

Installing towing eyelets

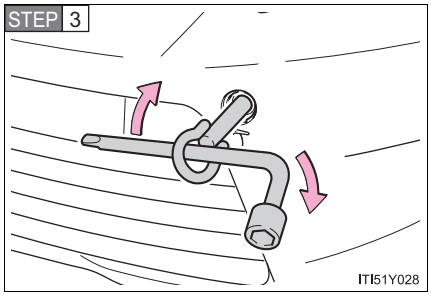


Remove the eyelet cover.

The eyelet cover has a rotary mechanism which allows the cover to be opened by pushing on the outer side.



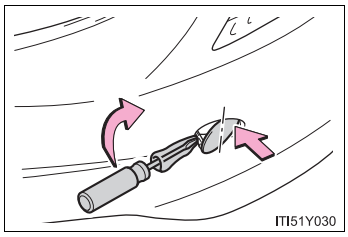
Insert the towing eyelet into the hole and tighten partially by hand.



Tighten down the towing eyelet securely using a wheel nut wrench*.

*: If a wheel nut wrench is not equipped, a wheel nut wrench can be purchased at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **If it is difficult to push the eyelet open**



A screwdriver wrapped in cloth can be used to help open the eyelet.

Put the screwdriver into the inner side of the hook cover.

■ **Location of the emergency towing eyelet**

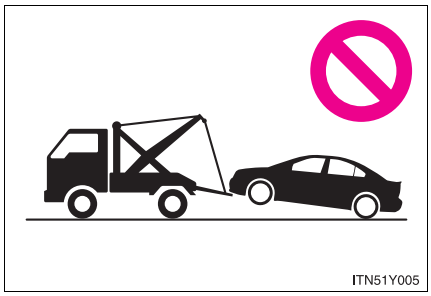
→P. 640, 654, 668

⚠ CAUTION

■ **Installing towing eyelets to the vehicle**

Make sure that towing eyelets are installed securely. If not securely installed, towing eyelets may come loose during towing. This may lead to accidents that cause serious injury or even death.

Towing with a sling-type truck

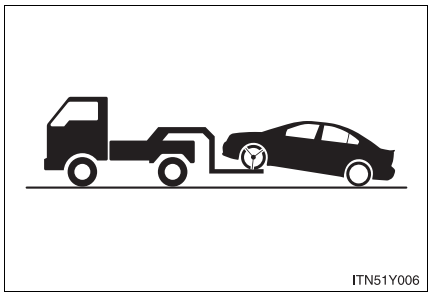


NOTICE

To prevent body damage

Do not tow with a sling-type truck, either from the front or rear.

Towing with a wheel-lift type truck from the front



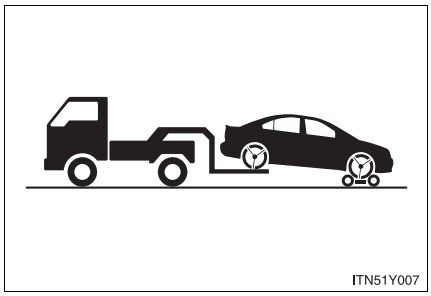
Release the parking brake.

NOTICE

■ To prevent damaging the vehicle

When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

Towing with a wheel-lift type truck from the rear


ITN51Y007

Multidrive or automatic transmission: Use a towing dolly under the front wheels.

Manual transmission: We recommend to use a towing dolly under the front wheels.

Vehicles with smart entry & start system: When not using a towing dolly, turn the “ENGINE START STOP” switch to ACCESSORY mode and shift the shift lever to “N”.

Vehicles without smart entry & start system: When not using a towing dolly, turn the engine switch to the “ACC” position and shift the shift lever to “N”.

NOTICE

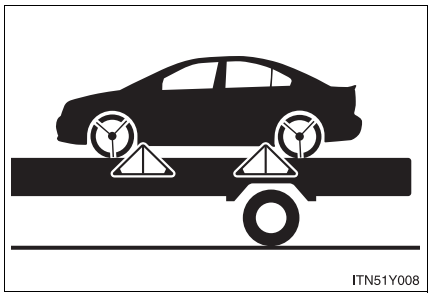
■ **To prevent causing serious damage to the transmission (Multidrive or automatic transmission)**

Never tow this vehicle from the rear with the front wheels on the ground.

■ **To prevent damaging the vehicle (manual transmission)**

Vehicles with smart entry & start system: Do not tow the vehicle with the “ENGINE START STOP” switch OFF.
Vehicles without smart entry & start system: Do not tow the vehicle with the engine switch to the “LOCK” position.
The steering lock mechanism is not strong enough to hold the front wheel straight.

Using a flat bed truck



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.

If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, 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 indicates that the temperature is higher than normal

Audible symptoms

- Changes in exhaust sound
- Excessive tire squeal when cornering
- Strange noises related to the suspension system
- Pinging or other noises related to the engine

Operational symptoms

- Engine missing, stumbling or running 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

Fuel pump shut off system (gasoline engine)

To minimize the risk of fuel leakage when the engine stalls or an air-bag 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 Vehicles with smart entry & start system:
Turn the “ENGINE START STOP” switch to ACCESSORY mode or OFF.
Vehicles without smart entry & start system:
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 on to the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Warning light	Warning light/Details
	**Brake system warning light (red indicator)** • Low brake fluid • Malfunction in the electronically controlled brake system

Stop the vehicle immediately.

The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Warning light	Warning light/Details
	**Charging system warning light** Indicates a malfunction in the vehicle's charging system.

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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, immediately.

Warning light	Warning light/Details
	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; • The electronic Multidrive or automatic transmission control system. (if equipped)
	**SRS warning light** Indicates a malfunction in: • The SRS airbag system; • The seat belt pretensioner system.
	**ABS warning light** Indicates a malfunction in: • The ABS; • The brake assist system
	**Brake system warning light (yellow indicator)** Indicates a malfunction in: • The electronically controlled brake system; or • The electric parking brake

Warning light	Warning light/Details
	**Electric power steering warning light (warning buzzer)** Indicates a malfunction in the EPS (Electric Power Steering) system.
 (Flashes)	**“PCS” warning light (if equipped)** Indicates a malfunction in the PCS (Pre-Crash Safety system). The warning light will operate as follows, even when the system is not malfunctioning: • The light will flash quickly when the system is operating. (→P. 325) • The light will turn on when the pre-crash braking is disabled. (→P. 326) • The light will turn on when the system cannot temporarily be used. (→P. 626)
 (Flashes)	**“AFS OFF” indicator light (if equipped)** Indicates a malfunction in the AFS (Adaptive Front-lighting System).
	**Slip indicator light** Indicates a malfunction in: • VSC; or • TRC
 (Flashes)	**“LKA” indicator light (if equipped)** Indicates a malfunction in the LKA (Lane-Keeping Assist). →P. 310

Warning light	Warning light/Details
 (Flashes)	**Cruise control indicator light (if equipped)** Indicates a malfunction in the cruise control system. →P. 267
 (Flashes)	**Dynamic radar cruise control indicator light (if equipped)** Indicates a malfunction in the dynamic radar cruise control system. →P. 273
 (Flashes)	**Speed limiter indicator light (if equipped)** Indicates a malfunction in the speed limiter system. →P. 292

■ **Electric power steering warning light (warning buzzer)**

When the battery charge becomes insufficient or the voltage temporarily drops, the electric power steering system warning light may come on and the warning buzzer may sound.

⚠ CAUTION

■ **When the electric power steering warning light comes on**

The steering wheel may become extremely heavy.
If the steering wheel becomes heavier than usual when operating, firmly hold and operate it using more force than usual.

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
	**Low fuel level warning light** Indicates that remaining fuel is about 9.0 L (2.8 gal., 2.0 Imp.gal.) or less	Refuel the vehicle.
	**Seat belt reminder light (warning buzzer)*1** Warns the driver and/or front passenger to fasten their seat belts.	Fasten the seat belt. If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) off.
	**Parking brake indicator light (warning buzzer)*2** Warns the driver to release parking brake.	Release the parking brake.

Warning light	Warning light/Details	Correction procedure
	**Master warning light** The warning light comes on or flashes (Sometimes a buzzer may sound.) to indicate that the master warning system has detected a malfunction.	Take appropriate action in accordance with the message displayed on the multi-information display.

*1:Driver's and front passenger's seat belt reminders:

The driver's and front passenger's seat belts reminder sounds to alert the driver and front passenger that his/her seat belt is not fastened. The buzzer sounds 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.

*2:Parking brake engaged warning buzzer:

A buzzer will sound if the vehicle is driven at a speed of approximately 5 km/h (3 mph) or more.

■ **If the malfunction indicator lamp comes on while driving**

For some models, the malfunction indicator lamp will come on if the fuel tank becomes completely empty. If the fuel tank is empty, refuel the vehicle immediately. The malfunction indicator lamp will go off after several trips.

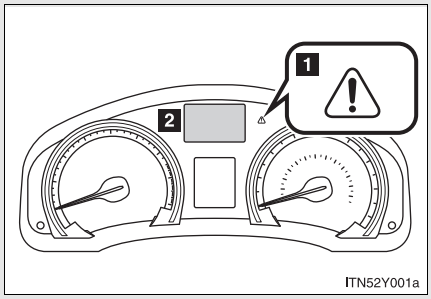
If the malfunction indicator lamp does not go off, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **Front passenger detection sensor, seat belt reminder and warning buzzer**

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash and the warning buzzer to sound even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

If a warning message is displayed

If a warning is shown on the multi-information display, stay calm and perform the following actions:



1 Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.

2 Multi-information display

If any of the warning light comes on again after the following actions have been performed, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Stop the vehicle immediately.

A buzzer sounds and a warning message is shown on the multi-information display. The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Warning message	Details
	**Indicates abnormal engine oil pressure** The warning light may come on if the engine oil pressure is too low.

Have the vehicle inspected immediately.

A buzzer sounds and a warning message is shown on the multi-information display. Failure 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately.

Warning message	Details
HIGH TRANSMISSION FLUID TEMPERATURE  (If equipped)	**Indicates that the automatic transmission fluid temperature is too high** 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.
CHECK STEERING LOCK SYSTEM  (If equipped)	**Indicates a malfunction in the steering lock system**
CHECK BRAKE LIGHT SYSTEM 	**Indicates a malfunction in the emergency brake signal**

Warning message	Details
CHECK PCS SYSTEM PCS (Flashes)  (If equipped)	**Indicates a malfunction in the pre-crash safety system**
CHECK CRUISE CONTROL SYSTEM  (Flashes) or  (Flashes)  (If equipped)	**Indicates a malfunction in the radar cruise control system** Press the “ON-OFF” button once to deactivate the system, and then press the button again to reactivate the system.
CHECK CRUISE CONTROL SYSTEM  (Flashes)  (If equipped)	**Indicates a malfunction in the cruise control system** Press the “ON-OFF” button once to deactivate the system, and then press the button again to reactivate the system.

Warning message	Details
CHECK SPEED LIMITER SYSTEM  (Flashes)  (If equipped)	**Indicates a malfunction in the speed limiter system**
CHECK LKA SYSTEM LKA (Flashes)  (If equipped)	**Indicates a malfunction in the lane keeping assist system**
CHECK CLUTCH SWITCH  (If equipped)	**Indicates a malfunction in the clutch switch**

Warning message	Details
PARKING BRAKE INOPERABLE  (Flashes) 	**Indicates that the electric parking brake system cannot complete a request**
CHECK PARKING BRAKE SYSTEM  (Yellow) 	**Indicates a malfunction in the electric parking brake system**
CHECK POWER STEERING SYSTEM  	**Indicates a malfunction in the EPS (Electric Power Steering) system.**
DRAIN WATER FROM FUEL FILTER  (Diesel engine)	**Indicates that the amount of accumulated water in the fuel filter has reached the specified level (→P. 543)**

Follow the correction procedures.

A buzzer sounds and a warning message is shown on the multi-information display. After taking the specified steps to correct the suspected problem, check that the warning message goes off.

Warning message	Details	Correction procedure
	**Indicates that one or more of the doors is not fully closed** The system also indicates which doors are not fully closed. If the vehicle reaches a speed of 5 km/h (3 mph), ⚠ flashes and a buzzer sounds to indicate that the door(s) are not yet fully closed.	Make sure that all the doors are closed.

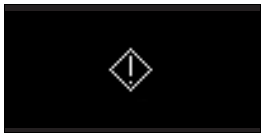
Warning message	Details	Correction procedure
▶ Sedan  ▶ Wagon 	**Indicates that the trunk (sedan) or back door (wagon) is not fully closed** The system also indicates that the trunk (sedan) or back door (wagon) is not fully closed. If the vehicle reaches a speed of 5 km/h (3 mph),  flashes and a buzzer sounds to indicate that the trunk (sedan) or back door (wagon) is not yet fully closed.	Close the trunk (sedan) or back door (wagon).

Warning message	Details	Correction procedure
RELEASE PARKING BRAKE (Flashes)	**Indicates that the parking brake is still engaged** If the vehicle reaches a speed of 5 km/h (3 mph), message is displayed and a buzzer sounds to indicate that the parking brake is still engaged.	Release the parking brake.
PARKING BRAKE OVERHEAT (Flashes) (Flashes)	**Indicates that the parking brake system is not currently functional**	**Leave the system for a while.** In case of overheating, the system will become functional once the system cools down.
ENGINE OIL LOW	**Indicates that engine oil level is low**	**Check the level of engine oil, and add if necessary.** This message may appear if the vehicle is stopped on a slope. Move the vehicle to a level surface and check to see if the message disappears.

Warning message	Details	Correction procedure
 (Diesel engine)	**Vehicles with DPF catalytic converter: Indicates that the engine oil is scheduled to be changed** **Comes on approximately 25000 km (15000 miles) after the engine oil is changed.** **Vehicles without DPF catalytic converter: You have forgotten to reset the oil change system** **Change the engine oil in accordance with the maintenance schedule.**	Check the engine oil and change if necessary. After changing the engine oil, the oil change system should be reset. (→P. 534) (The indicator will not work properly unless the oil maintenance data has been reset.)
 (Diesel engine)	**Indicates that the engine oil and oil filter should be changed**	Have the engine oil and oil filter checked and/or changed by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. After changing the engine oil, the oil change system should be reset. (→P. 534)

Warning message	Details	Correction procedure
RESETTING OIL MAINTENANCE DATA (Diesel engine)	**Indicates the resetting of the engine oil maintenance system**	After changing the engine oil, the oil change system should be reset. (→P. 534)
PCS TEMPORARILY NOT AVAILABLE PCS (If equipped)	**Indicates that the pre-crash safety system is not currently functional**	• Clean the grill and the sensor if they are dirty. • In case of overheating, the system will become functional once the system cools down.
CLEAN RADAR SENSOR  (Flashes)  (If equipped)	**Indicates that the radar cruise control sensor is dirty or covered with ice**	Clean the grill and the sensor if they are dirty.

Warning message	Details	Correction procedure
CRUISE CONTROL NOT AVAILABLE  (Flashes)  (If equipped)	**Indicates that the radar cruise control system is unable to judge vehicle-to-vehicle distance**	If the windshield wipers are on, turn them off or set them to a mode other than “AUTO” or high speed wiper operation.
LKA NOT AVAILABLE LKA (If equipped)	**Indicates that the lane keeping assist system is not available**	LKA is not available when the following condition is detected. The function can be resumed when the following condition disappears and the LKA switch is turned off and then on. • The temperature of the camera is too high. • The decline of EPS performance.

Warning message	Details	Correction procedure
 (Flashes) (If equipped)	**Indicates that there is a possibility of a frontal collision**	Slow the vehicle by applying the brakes.
 PCS (Flashes) (If equipped)	**Indicates that there is a high possibility of a frontal collision, or that the pre-crash braking function is operating**	Slow the vehicle by applying the brakes.
 (Flashes)	**Indicates that the headlight have been left on**	Turn off the headlights.

Have the malfunction repaired immediately. (Vehicles with smart entry & start system)

After taking the specified steps to correct the suspected problem, check that the warning message and light go off.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	—	KEY NOT DETECTED (Flashes)	The electronic key is not detected when an attempt is made to start the engine.	Confirm the location of the electronic key.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	Sounds 3 times	KEY NOT DETECTED (Flashes)	The electronic key was carried outside the vehicle and a door other than the driver's door was opened and closed while the "ENGINE START STOP" switch was in a mode other than off.	Bring the electronic key back into the vehicle.
			The driver's door was opened and closed while the electronic key was not in the vehicle, the shift lever was in P (Multidrive or automatic transmission) or N (manual transmission) and the "ENGINE START STOP" switch was not turned off.	Turn the "ENGINE START STOP" switch off or bring the electronic key back into the vehicle.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	Sounds once for 10 seconds	KEY NOT DETECTED TURN POWER OFF (Displayed alternately) (Flashes)	An attempt was made to exit the vehicle with the electronic key and lock the doors without first turning the “ENGINE START STOP” switch off.	Turn the “ENGINE START STOP” switch off and lock the doors again.
Sounds once	—	KEY NOT DETECTED (Flashes)	An attempt was made to start the engine without the electronic key being present, or the electronic key was not functioning normally. An attempt was made to drive when the regular key was not inside the vehicle.	Confirm that the electronic key is inside the vehicle.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Continuous	—	SHIFT TO P POSITION  (Flashes) (Multidrive or automatic transmission)	The driver's door was opened when the shift lever was not in P and the "ENGINE START STOP" switch was not turned off.	Shift the shift lever to P.
Continuous	Continuous	SHIFT TO P POSITION KEY NOT DETECTED (Displayed alternately)  (Flashes) (Multidrive or automatic transmission)	The driver's door was opened and closed while the electronic key was not in the vehicle, the shift lever was not in P and the "ENGINE START STOP" switch was not turned off.	• Shift the shift lever to P. • Bring the electronic key back into the vehicle.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	Continuous	KEY DETECTED IN VEHICLE ⚠ (Flashes)	An attempt was made to lock the doors using the smart entry & start system while the electronic key was still inside the vehicle.	Retrieve the electronic key from the vehicle and lock the doors again.
			An attempt was made to lock either front door by opening a door and putting the inside lock button into the lock position, then closing the door by pulling on the outside door handle with the electronic key still inside the vehicle.	

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	—	DEPRESS BRAKE PEDAL, TOUCH ENGINE SWITCH WITH KEY (Multidrive or automatic transmission) or DEPRESS CLUTCH PEDAL, TOUCH ENGINE SWITCH WITH KEY (Manual transmission)  (Flashes)	• When the doors were unlocked with the mechanical key and then the “ENGINE START STOP” switch was pressed, the electronic key could not be detected in the vehicle. • The electronic key could not be detected in the vehicle even after the “ENGINE START STOP” switch was pressed two consecutive times.	Touch the electronic key to the “ENGINE START STOP” switch while depressing the brake pedal (Multidrive or automatic transmission) or clutch pedal (manual transmission).

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	—	SHIFT TO P POSITION TO START (Flashes) (Multidrive or automatic transmission)	An attempt was made to start the engine with the shift lever in an incorrect position.	Shift the shift lever to P and start the engine.
Sounds once	—	SHIFT TO P POSITION AND PUSH ENGINE SWITCH TO TURN POWER OFF (Flashes) (Multidrive or automatic transmission)	An attempt was made to turn the “ENGINE START STOP” switch off when the shift lever was not in P.	To turn off the engine, first shift the shift lever to P and then turn the “ENGINE START STOP” switch off.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
—	—	AUTO POWER OFF TO CONSERVE BATTERY	Power was turned off due to the automatic power off function.	Next time when starting the engine, increase the engine speed slightly and maintain that level for approximately 5 minutes to recharge the battery.
Sounds once	—	KEY BATTERY LOW 	The electronic key has a low battery. (The message will be shown for about 15 seconds.)	Replace the electronic key battery. (→P. 556)

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	—	DEPRESS BRAKE PEDAL AND PUSH ENGINE SWITCH TO START (Multidrive or automatic transmission) or DEPRESS CLUTCH PEDAL AND PUSH ENGINE SWITCH TO START (Manual transmission) ⚠ (Flashes)	The driver's door was opened and closed with the "ENGINE START STOP" switch turned off and then the "ENGINE START STOP" switch was put in ACCESSORY mode twice without the engine being started.	Press the "ENGINE START STOP" switch while depressing the brake pedal (Multidrive or automatic transmission) or clutch pedal (manual transmission).
			During an engine starting procedure in the event that the electronic key was not functioning properly (→P. 694), the "ENGINE START STOP" switch was touched with the electronic key.	Press the "ENGINE START STOP" switch within 10 seconds of the buzzer sounding.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Sounds once	—	STEERING LOCK ACTIVE (Flashes)	The steering lock could not be released within 3 seconds of the “ENGINE START STOP” switch being pressed.	Press the “ENGINE START STOP” switch while depressing the brake pedal and moving the steering wheel left and right.

■ **Warning light display in radar cruise mode (if equipped)**

In the following cases, the warning light may not be displayed even if vehicle-to-vehicle distance decreases:

- When your vehicle and the vehicle ahead are traveling at the same speed or the vehicle ahead is traveling more quickly than your vehicle
- When the vehicle ahead is traveling at a very low speed
- Immediately after cruise control speed is set
- At the instant the accelerator pedal is depressed

■ **After changing the engine oil (Diesel engine)**

Make sure to reset the oil maintenance data. (→P. 534)

⚠ NOTICE

■ **While the engine oil level warning is displayed**

Continued engine operation with low engine oil will damage the engine.

■ **Engine oil maintenance message (diesel engine)**

The warning message is based on the projected driving range after engine oil maintenance message is reset.
The system does not monitor the purity of the engine oil.

■ **If the "DRAIN WATER FROM FUEL FILTER" warning message is displayed (diesel engine)**

Never drive the vehicle if the warning message is displayed. Continued driving with water accumulated in the fuel filter will damage the fuel injection pump.

If you have a flat tire (vehicles with a spare tire for sedan)

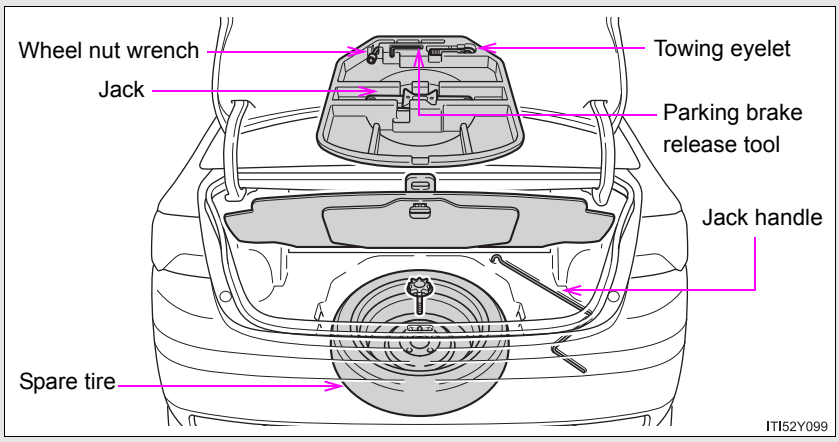
Remove the flat tire and replace it with the spare provided.

Before jacking up the vehicle

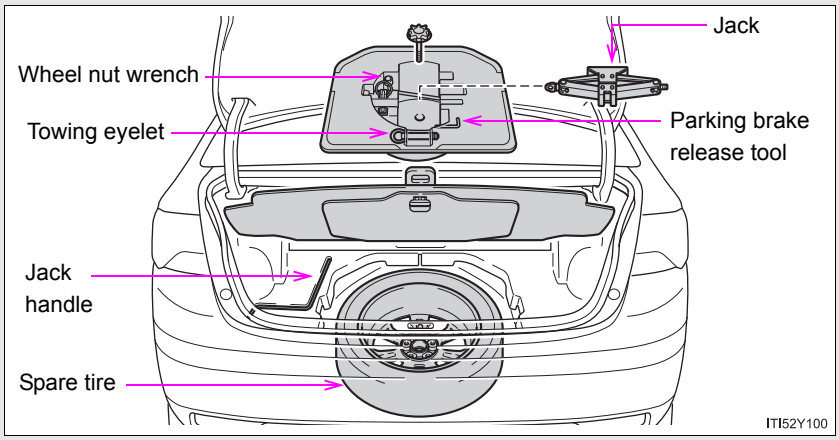
- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to “P” (Multidrive or automatic transmission) or “R” (manual transmission).
- Stop the engine.
- Turn on the emergency flashers. (→P. 596)

Location of the spare tire, jack and tools

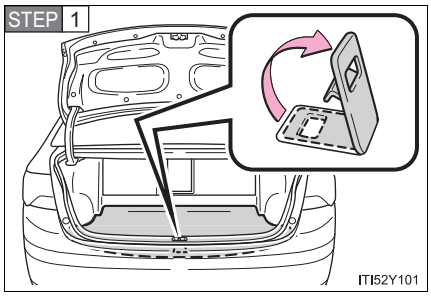
▶ Vehicles with a compact spare tire



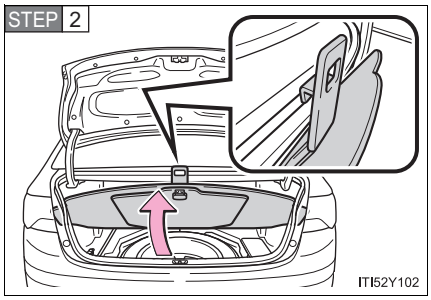
▶ Vehicles with a standard spare tire



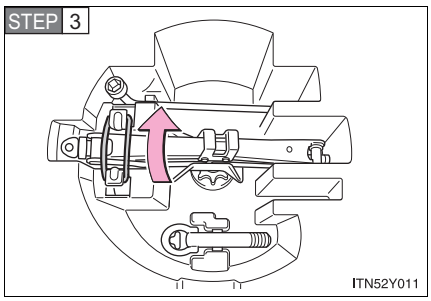
Taking out the jack



Lift up the hook of the panel on the trunk floor.



Secure the panel using the hook provided.



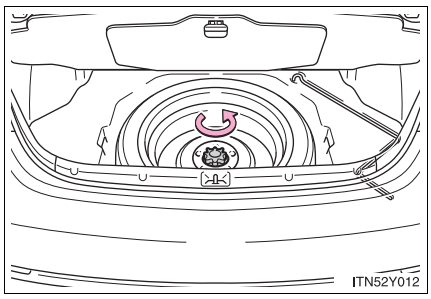
Vehicles with a standard spare tire:

Unhook the tightening strap and remove the jack.

After storing the jack, make sure it is securely held by the tightening strap.

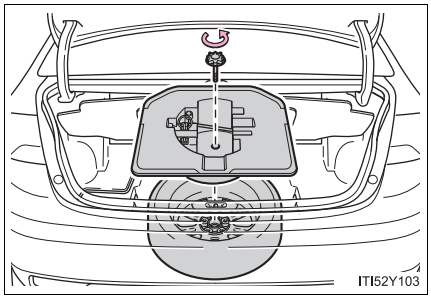
Taking out the spare tire

▶ Vehicles with a compact spare tire



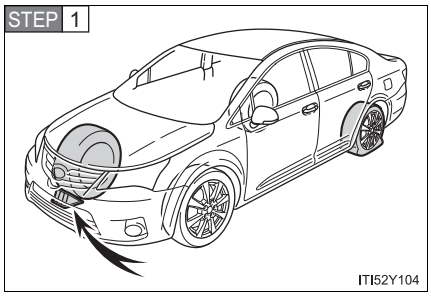
Loosen the center fastener that secures the spare tire.

▶ Vehicles with a standard spare tire



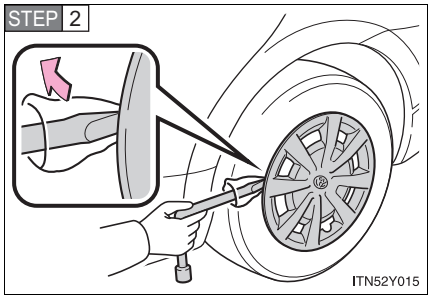
Loosen the center fastener that secures the spare tire and tool box.

Replacing a flat tire



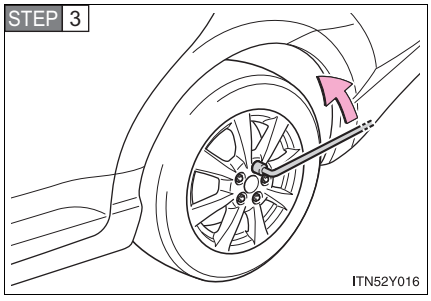
Chock the tires.

Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

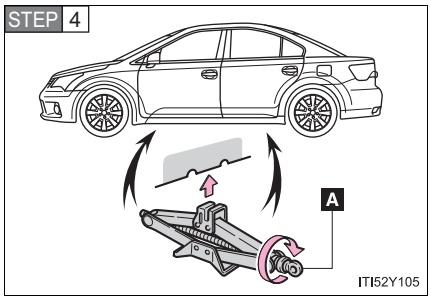


Vehicles with a steel wheel, remove the wheel ornament using the wrench.

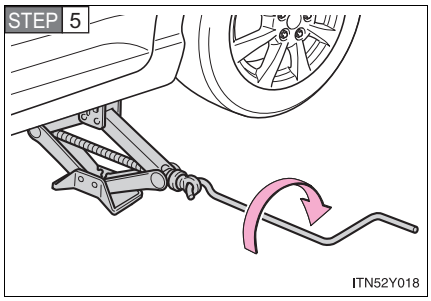
To protect the wheel ornament, place a rag between the wrench and the wheel ornament, as shown in the illustration.



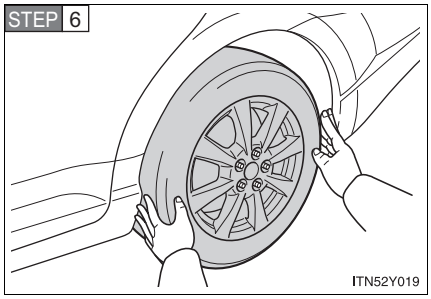
Slightly loosen the wheel nuts (one turn).



Turn the tire jack portion “A” by hand until the notch of the jack is in contact with the jack point.



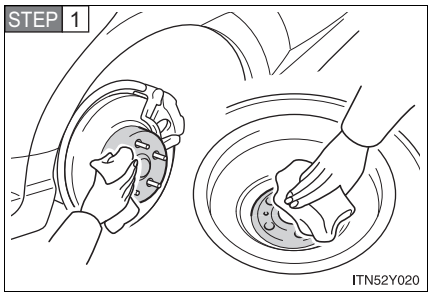
Raise the vehicle until the tire is slightly raised off the ground.



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.

Installing the spare tire

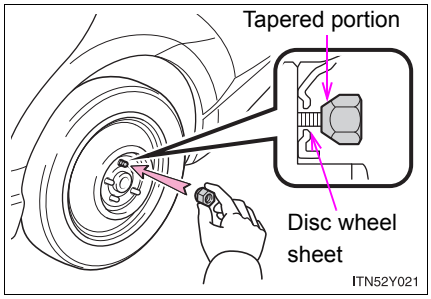


Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

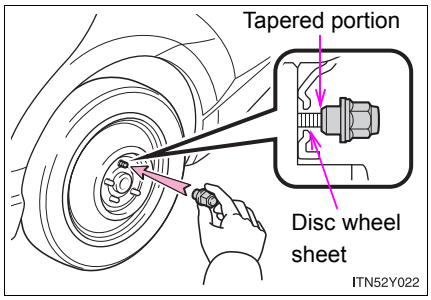
STEP 2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

▶ Replacing a steel wheel with a steel wheel (including a compact spare tire)



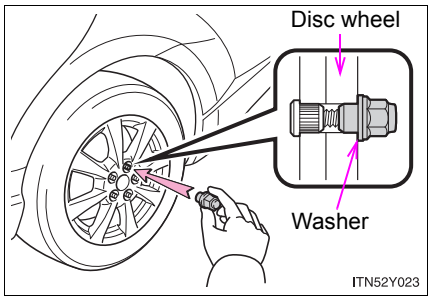
Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

▶ Replacing an aluminum wheel with a steel wheel (including a compact spare tire)

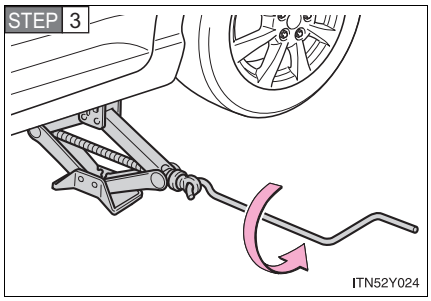


Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

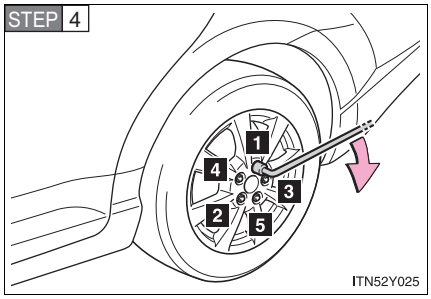
▶ Replacing an aluminum wheel with an aluminum wheel



Turn the nut washers until they come into contact with the disc wheel.



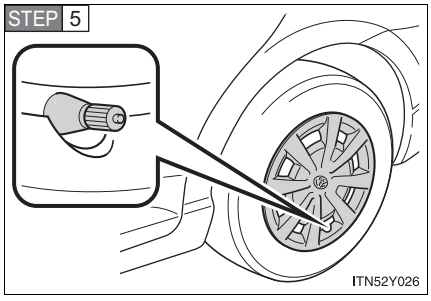
Lower the vehicle.



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)

STEP 5



Vehicles with a steel wheel, reinstall the wheel ornament.

Align the cutout of the wheel ornament with the valve stem as shown.

STEP 6 Stow the flat tire, tire jack and all tools.

■ **The compact spare tire**

- The compact spare tire is identified by the label “TEMPORARY USE ONLY” on the tire sidewall.
  Use the compact spare tire temporarily only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 731)

■ **If you have a flat front tire on a road covered with snow or ice**

Install the compact spare tire on the rear of the vehicle. Perform the following steps and fit tire chains to the front tires.

STEP 1 Replace a rear tire with the compact spare tire.

STEP 2 Replace the flat front tire with the tire removed from the rear of the vehicle.

STEP 3 Fit tire chains to the front tires.

Certification for the jack

CE

Manufacturer's Declaration of Conformity

Manufacturer :
ARIKAN KRİKO A.Ş
Organize Sanayi Bölgesi 2.Cd.26110 ESKİŞEHİR / TURKEY

The EU Directives covered by this Declaration

2006 / 42 / EC Machinery Directive

The product covered by this declaration

JACK SUB-ASSY. PANTOGRAPH

model
0.8 ton , 1.1 ton

The basis on which conformity is being declared

The product identified above complies with the requirements of the Machinery Directive
Directive above by meeting following standards

857 – ISO 8720

The technical documentation required to demonstrate that the product meets the requirement the Machinery Directive has been compiled by the signatory below and is available for inspection by the relevant enforcement authorities.

A sample of the product has been tested by the manufacturer

Technical File No :2010-TOYOTA JACK-ISO8720-1

The CE mark was first applied in:2010

Done at Shizuoka , Japan

Ahmet ARIKAN
General Manager

Signature :

Date of Issue : 24.08.2010

CAUTION

Using the tire jack

Improper use of the tire jack may lead to death or serious injuries due to the vehicle suddenly falling off the jack.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire 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.

CAUTION

Replacing a flat tire

- Observe the following precautions.
  Failure to do so may result in serious injury:
  - Do not try to remove the wheel ornament by hand. Take due care in handling the ornament to avoid unexpected personal injury.
  - Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
  - Have the wheel nuts tightened with a torque wrench to 103 N•m (10.5 kgf•m, 76 ft•lbf) as soon as possible after changing wheels.
    Failure to follow these precautions could cause the nuts to loosen and the wheel may fall off, which could lead to an accident causing death or serious injury.
  - When installing the wheel nuts, be sure to install the wheel nuts with the tapered ends facing inward. (→P. 552)

When using the standard spare tire (vehicles with a spare tire of different wheel type from the installed tires)

- Replace the standard spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, deceleration and braking, as well as sharp cornering.

When using the compact spare tire

- Remember that your compact spare tire is specifically designed for use with your vehicle. Do not use your compact spare tire on another vehicle.
- Do not use more than one compact spare tire simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, deceleration and braking, as well as sharp cornering.

CAUTION

■ **Speed limit when using the compact spare tire**

Do not drive at speeds in excess of 80 km/h (50 mph) when a compact spare tire is installed on the vehicle.
The compact spare tire is not designed for driving at high speeds. Failing to observe this precaution may lead to an accident.

■ **When the spare tire is installed**

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS & brake assist
- VSC
- TRC
- Navigation system (if equipped)
- Toyota parking assist-sensor (if equipped)
- Dynamic radar cruise control (if equipped)
- Cruise control (if equipped)
- PCS (if equipped)
- LKA (if equipped)
- AFS (if equipped)

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.

■ **Be careful when driving over bumps with the compact spare tire installed on the vehicle**

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

■ **Driving with tire chains and the compact spare tire**

Do not fit tire chains to the compact spare tire.
Tire chains may damage the vehicle body and adversely affect driving performance.

If you have a flat tire (vehicles with a spare tire for wagon)

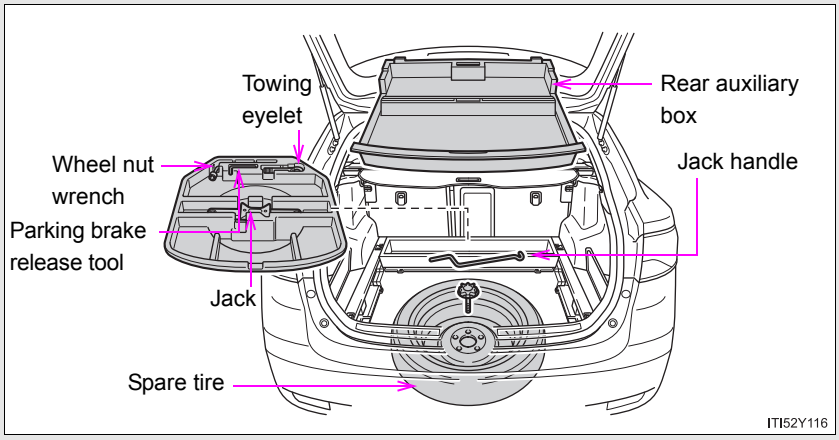
Remove the flat tire and replace it with the spare provided.

Before jacking up the vehicle

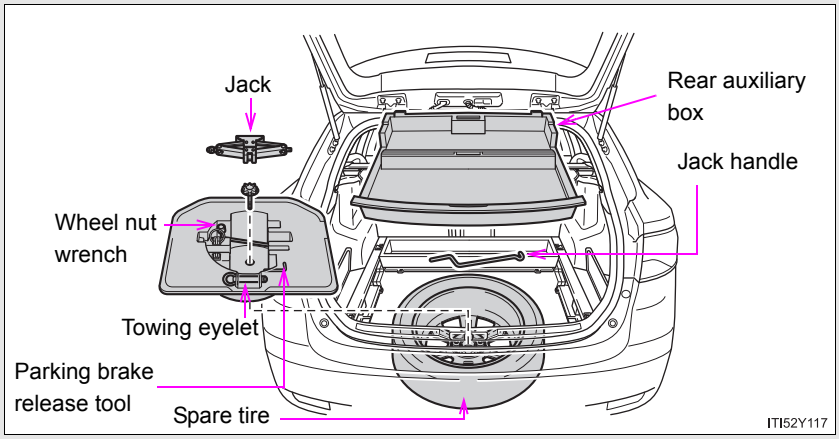
- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to “P” (Multidrive or automatic transmission) or “R” (manual transmission).
- Stop the engine.
- Turn on the emergency flashers. (→P. 596)

Location of the spare tire, jack and tools

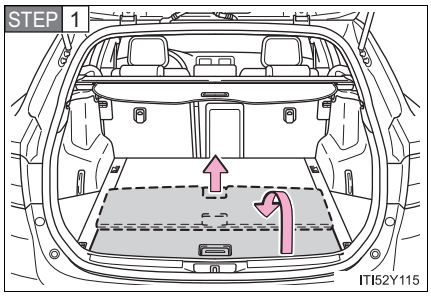
▶ Vehicles with a compact spare tire



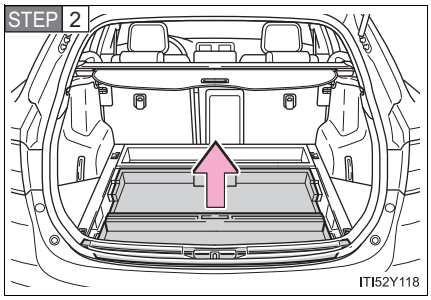
▶ Vehicles with a standard spare tire



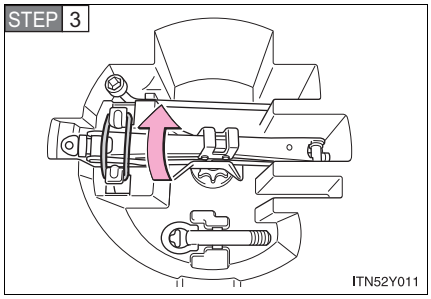
Taking out the jack



Remove the rear deck board.



Remove the rear auxiliary box.



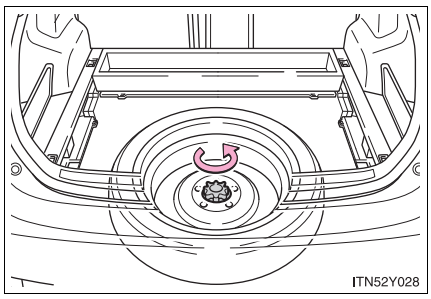
Vehicles with a standard spare tire:

Unhook the tightening strap and remove the jack.

After storing the jack, make sure it is securely held by the tightening strap.

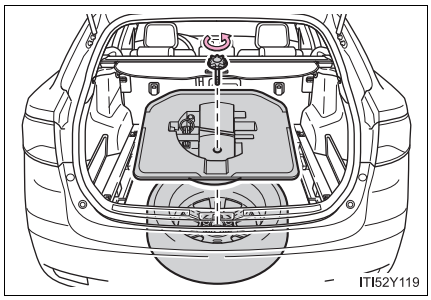
Taking out the spare tire

▶ Vehicles with a compact spare tire



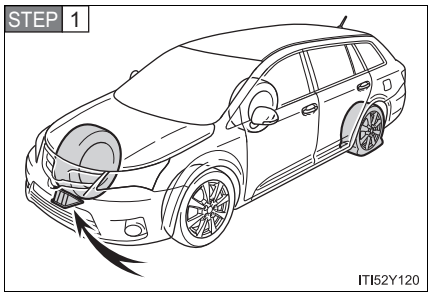
Loosen the center fastener that secures the spare tire.

▶ Vehicles with a standard spare tire



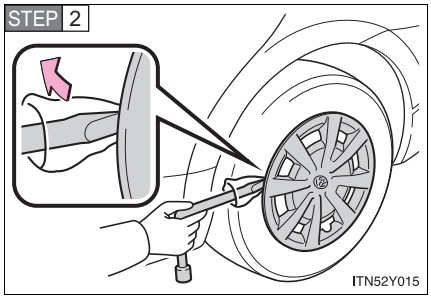
Loosen the center fastener that secures the spare tire and tool box.

Replacing a flat tire



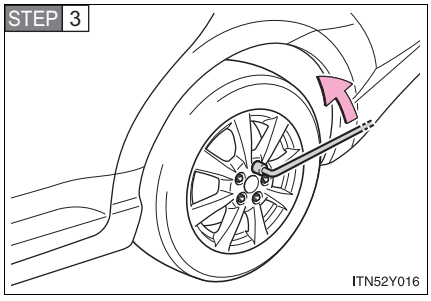
Chock the tires.

Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

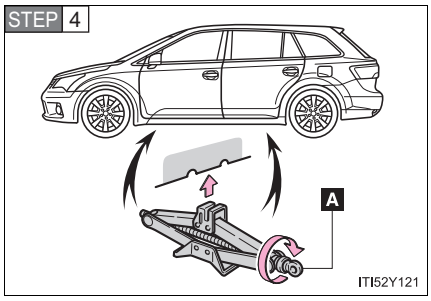


Vehicles with a steel wheel, remove the wheel ornament using the wrench.

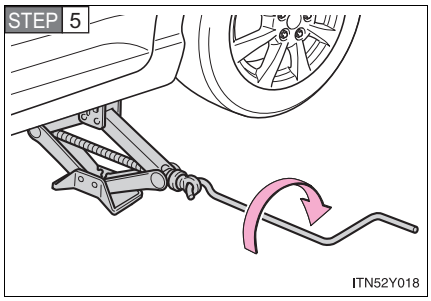
To protect the wheel ornament, place a rag between the wrench and the wheel ornament, as shown in the illustration.



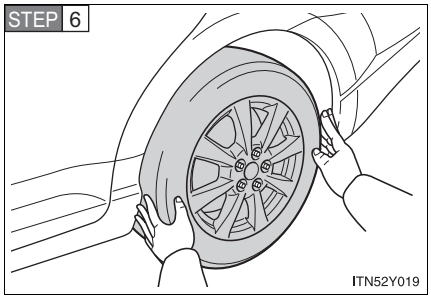
Slightly loosen the wheel nuts (one turn).



Turn the tire jack portion “A” by hand until the notch of the jack is in contact with the jack point.



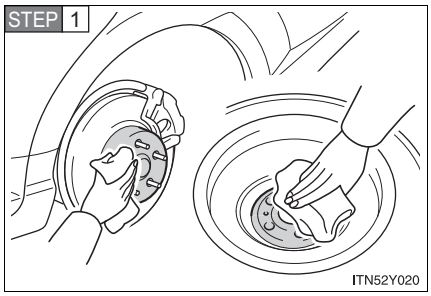
Raise the vehicle until the tire is slightly raised off the ground.



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.

Installing the spare tire

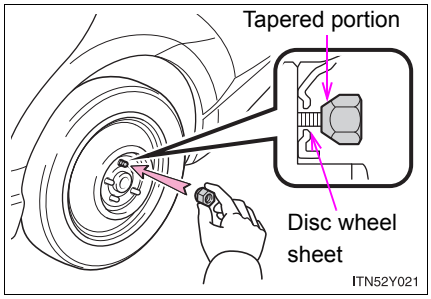


Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

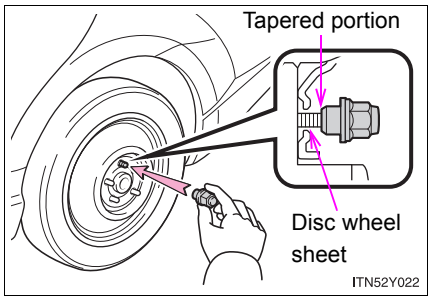
STEP 2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

▶ Replacing a steel wheel with a steel wheel (including a compact spare tire)



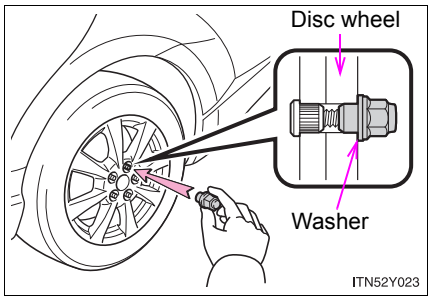
Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

▶ Replacing an aluminum wheel with a steel wheel (including a compact spare tire)

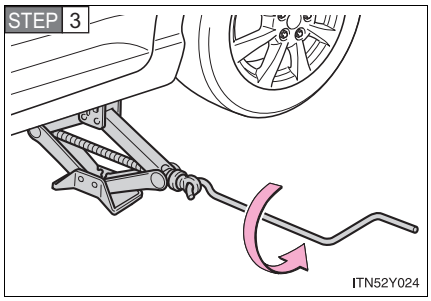


Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

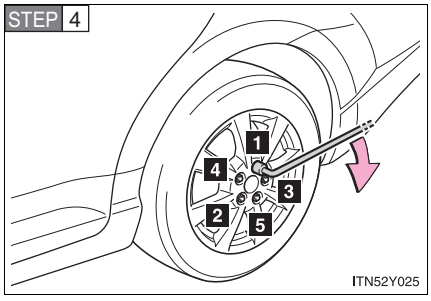
▶ Replacing an aluminum wheel with an aluminum wheel



Turn the nut washers until they come into contact with the disc wheel.

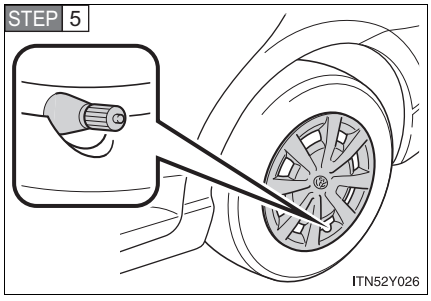


Lower the vehicle.



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)



Vehicles with a steel wheel, reinstall the wheel ornament.

Align the cutout of the wheel ornament with the valve stem as shown.

STEP 6 Stow the flat tire, tire jack and all tools.

■ **The compact spare tire**

- The compact spare tire is identified by the label “TEMPORARY USE ONLY” on the tire sidewall.
  Use the compact spare tire temporarily only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 731)

■ **If you have a flat front tire on a road covered with snow or ice**

Install the compact spare tire on the rear of the vehicle. Perform the following steps and fit tire chains to the front tires.

STEP 1 Replace a rear tire with the compact spare tire.

STEP 2 Replace the flat front tire with the tire removed from the rear of the vehicle.

STEP 3 Fit tire chains to the front tires.

Certification for the jack

CE

Manufacturer's Declaration of Conformity

Manufacturer :
ARIKAN KRİKO A.Ş
Organize Sanayi Bölgesi 2.Cd.26110 ESKİŞEHİR / TURKEY

The EU Directives covered by this Declaration

2006 / 42 / EC Machinery Directive

The product covered by this declaration

JACK SUB-ASSY. PANTOGRAPH

model
0.8 ton , 1.1 ton

The basis on which conformity is being declared

The product identified above complies with the requirements of the Machinery Directive
Directive above by meeting following standards

857 – ISO 8720

The technical documentation required to demonstrate that the product meets the requirement the Machinery Directive has been compiled by the signatory below and is available for inspection by the relevant enforcement authorities.

A sample of the product has been tested by the manufacturer

Technical File No :2010-TOYOTA JACK-ISO8720-1

The CE mark was first applied in:2010

Done at Shizuoka , Japan

Ahmet ARIKAN
General Manager

Signature :

Date of Issue : 24.08.2010

CAUTION

Using the tire jack

Improper use of the tire jack may lead to death or serious injuries due to the vehicle suddenly falling off the jack.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire 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.

CAUTION

■ Replacing a flat tire

- Observe the following precautions.
  Failure to do so may result in serious injury:
  - Do not try to remove the wheel ornament by hand. Take due care in handling the ornament to avoid unexpected personal injury.
  - Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
  - Have the wheel nuts tightened with a torque wrench to 103 N•m (10.5 kgf•m, 76 ft•lbf) as soon as possible after changing wheels.
    Failure to follow these precautions could cause the nuts to loosen and the wheel may fall off, which could lead to an accident causing death or serious injury.
  - When installing the wheel nuts, be sure to install the wheel nuts with the tapered ends facing inward. (→P. 552)

■ When using the standard spare tire (vehicles with a spare tire of different wheel type from the installed tires)

- Replace the standard spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, deceleration and braking, as well as sharp cornering.

■ When using the compact spare tire

- Remember that your compact spare tire is specifically designed for use with your vehicle. Do not use your compact spare tire on another vehicle.
- Do not use two compact spare tires simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, deceleration and braking, as well as sharp cornering.

CAUTION

■ **Speed limit when using the compact spare tire**

Do not drive at speeds in excess of 80 km/h (50 mph) when a compact spare tire is installed on the vehicle.
The compact spare tire is not designed for driving at high speeds. Failing to observe this precaution may lead to an accident.

■ **When the spare tire is installed**

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS & brake assist
- VSC
- TRC
- Navigation system (if equipped)
- Toyota parking assist-sensor (if equipped)
- Dynamic radar cruise control (if equipped)
- Cruise control (if equipped)
- PCS (if equipped)
- LKA (if equipped)
- AFS (if equipped)

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.

■ **Be careful when driving over bumps with the compact spare tire installed on the vehicle**

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

■ **Driving with tire chains and the compact spare tire**

Do not fit tire chains to the compact spare tire.
Tire chains may damage the vehicle body and adversely affect driving performance.

If you have a flat tire (vehicles without a spare tire)

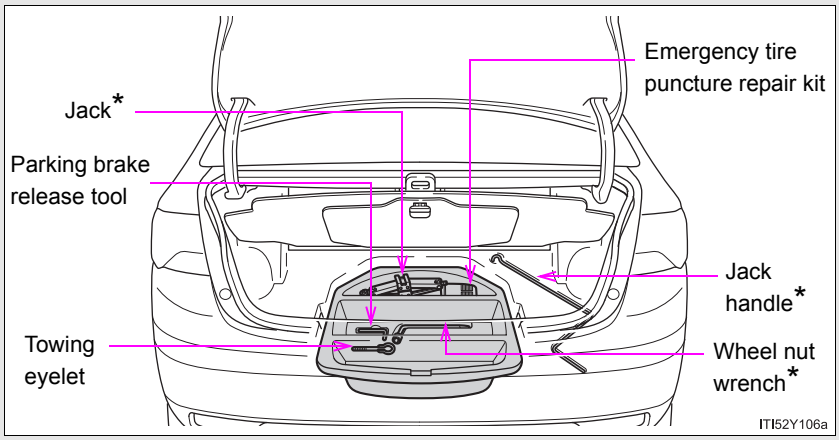
Your vehicle is equipped with an emergency tire puncture repair kit. A puncture caused by a nail or screw passing through the tire tread can be repaired temporarily with the emergency tire puncture repair kit.

Before repairing the vehicle

- Stop the vehicle in a safe place on a hard, flat surface.
- Set the parking brake.
- Shift the lever to “P” (Multidrive or automatic transmission) or “N” (manual transmission).
- Stop the engine.
- Turn on the emergency flashers. (→P. 596)

Location of the emergency tire puncture repair kit, jack and tools

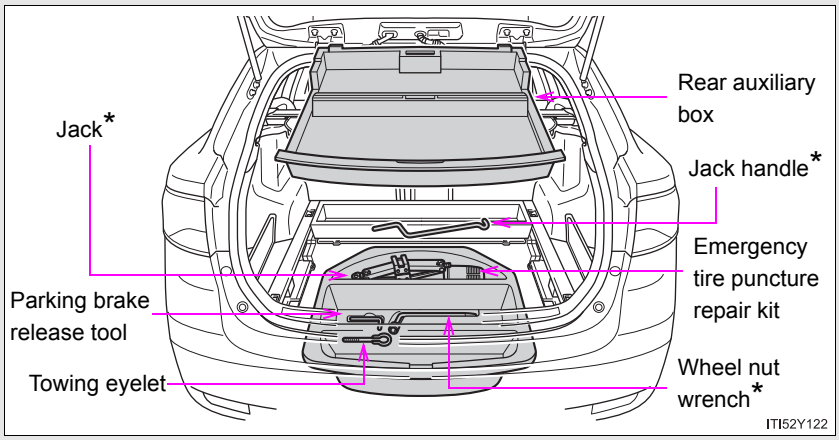
▶ Sedan



*: Use of the jack and wheel nut wrench. (if equipped) (→P. 644)

A jack and wheel nut wrench can be purchased at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

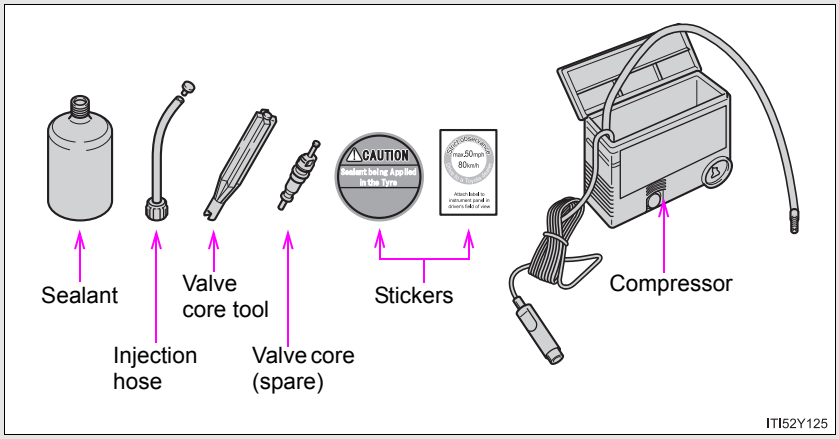
▶ Wagon



*: Use of the jack and wheel nut wrench. (if equipped) (→P. 658)

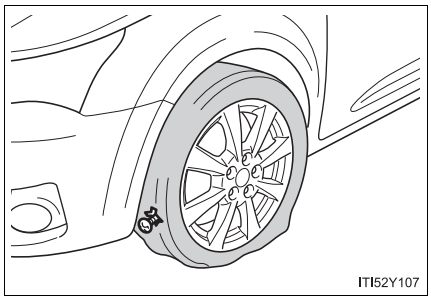
A jack and wheel nut wrench can be purchased at any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Contents



Before putting the sealant into use

Check the degree of the tire damage before making use of the sealant in the emergency tire puncture repair kit.



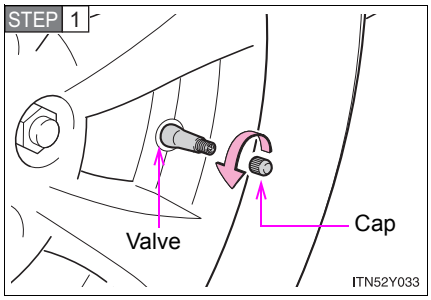
A tire should only to be repaired if the damage is caused by a nail or screw passing through the tire tread. Perform the repair with the nail or screw that has punctured the tire positioned at the bottom, in contact with the ground.

Emergency repair with the sealant in the kit is not possible in the following cases. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

- When the wheel is damaged
- When two or more tires have been punctured
- When the tire is damaged due to driving without sufficient tire inflation pressure
- When the tire is visibly disengaged from the wheel
- When the tire has lost tire inflation pressure due to a crack or damage in the tire sidewall
- When the cut or damage to the tread is 4 mm (0.16 in.) or more

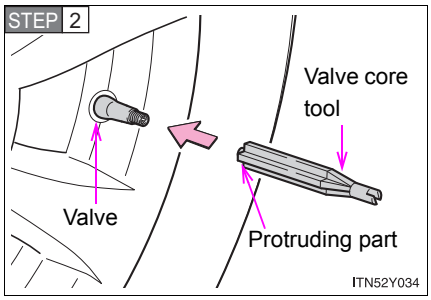
Emergency repair method

STEP 1



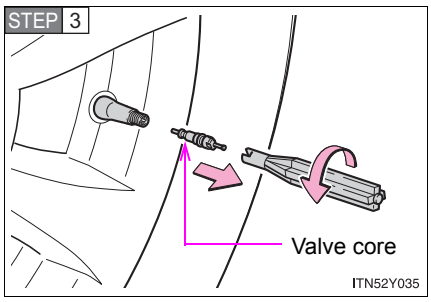
Position the nail or screw that has punctured the tire at the bottom, in contact with the ground. Remove the cap from the valve.

STEP 2



Bring the protruding part of the valve core tool into contact with the valve to discharge air.

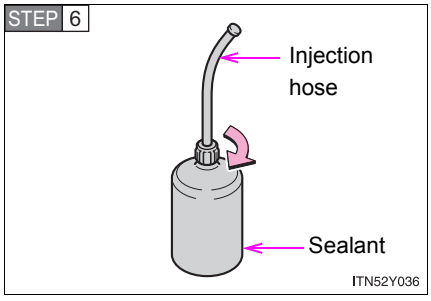
STEP 3



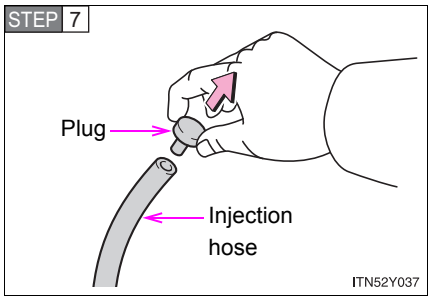
Pull out the valve core by turning it counterclockwise using the valve core tool.

STEP 4 Shake the sealant bottle up and down several times.

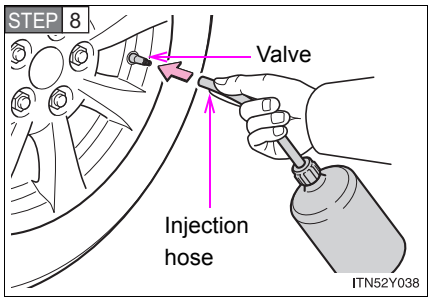
STEP 5 Remove the cap of the sealant bottle.



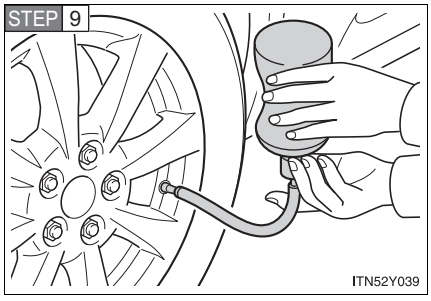
Connect the injection hose by screwing onto the sealant. As it is screwed in, the aluminum seal on the bottle will be torn.



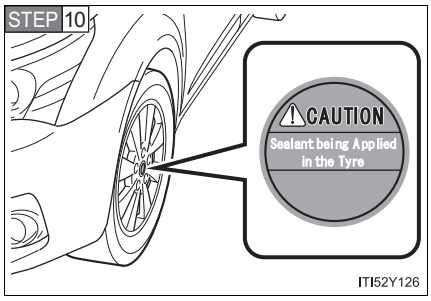
Remove the plug from the injection hose.



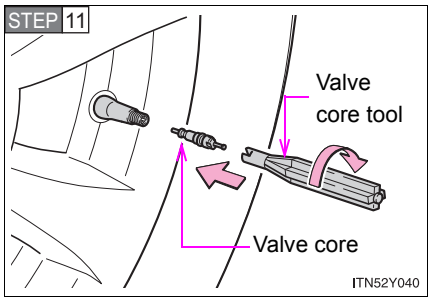
Connect the injection hose to the valve.



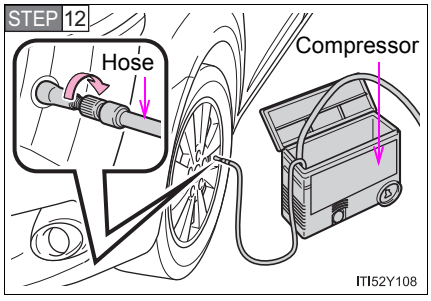
Inject the sealant that is in the bottle. Hold and tilt the bottle, then squeeze sealant out of the bottle as shown.



Attach the sticker as shown.



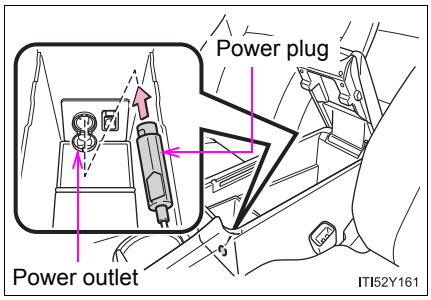
Remove the injection hose from the valve and screw the valve core in the valve securely by turning it clockwise with the valve core tool.



Connect the air compressor hose by threading it on the valve.

STEP 13 Connect the compressor power plug.

Vehicles with smart entry & start system: The “ENGINE START STOP” switch must be in ACCESSORY mode.
Vehicles without smart entry & start system: The engine switch must be in the “ACC” position.

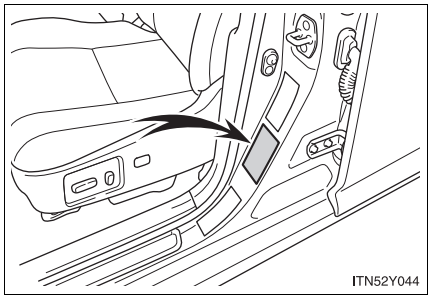


Open the cover and connect the power plug.

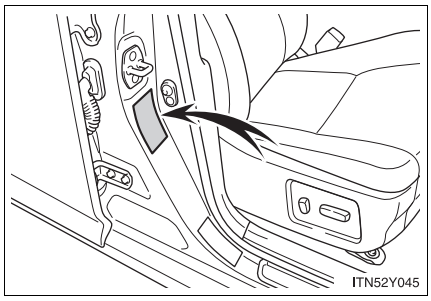
STEP 14 Check the specified inflation pressure.

The label is placed as shown in the illustration.

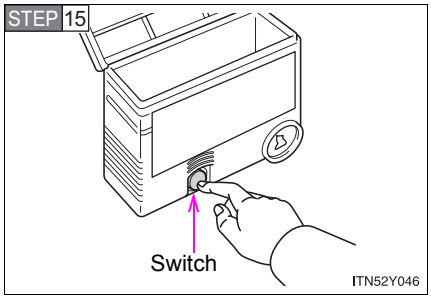
▶ Left-hand drive vehicles



▶ Right-hand drive vehicles



STEP 15



Turn the compressor switch “ON” and fill the tire with air until the specified inflation pressure is reached.

STEP 16 Turn the switch “OFF” when the pressure gauge connected to the hose reads the specified pressure.

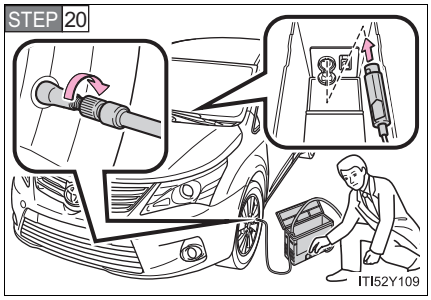
If the inflation pressure is not attained within 5 minutes, emergency repair is not possible due to severe damage. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

STEP 17 After completely filling the tire with air, disconnect the hose from the valve on the tire.

STEP 18 Pull the power plug of the compressor out of the power outlet on the vehicle.

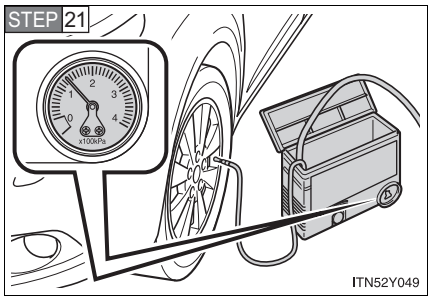
STEP 19 To spread the liquid sealant evenly in the tire, immediately drive for about 5 km (3 miles) or 10 minutes.

STEP 20

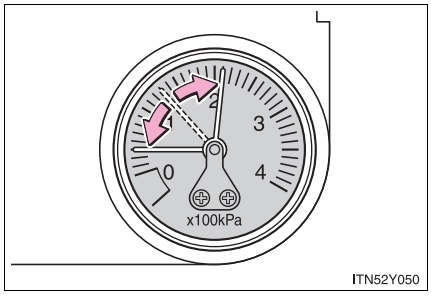


After driving about 5 km (3 miles) or 10 minutes, pull your vehicle over in a safe place and reconnect the compressor.

STEP 21

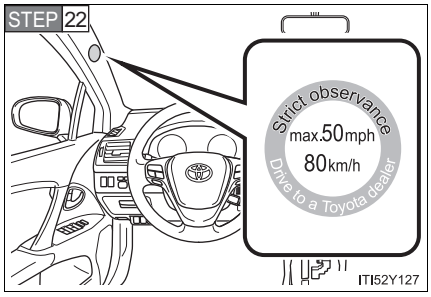


Read the inflation pressure on the pressure gauge.



If the pressure is 130 kPa (1.3 kgf/cm^2 or bar, 18 psi) or above, fill the tire with air using the compressor until the specified inflation pressure is reached.

If the pressure is less than 130 kPa (1.3 kgf/cm^2 or bar, 18 psi), the emergency repair that has been performed is not safe for use as damage to the tire is too severe. Do not continue to drive the vehicle. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.



Store the kit and then attach the sticker as shown.

Taking precautions to avoid sudden braking and sharp turns, drive carefully at under 80 km/h (50 mph) to the nearest authorized Toyota dealer, tire dealer or repairer, or another duly qualified and equipped professional for tire repair or replacement.

■ **Sealant**

- One tire can be repaired using the bottle of sealant stored in the emergency tire puncture repair kit.
- The sealant can be used when the outside temperature is from -30°C (-22°F) to 60°C (140°F).
- The sealant has a limited lifespan. The expiry date is marked on the bottle. The sealant should be replaced before the expiry date. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- If the sealant gets on your clothes, it may stain.
- After using the sealant, bring the empty bottle of sealant to any authorized Toyota dealer or repairer, or another duly qualified and equipped professional and purchase a new bottle. Keep the new bottle of sealant in your vehicle.

■ **Compressor**

- The compressor is a pneumatic filling type for passenger vehicles.
- When the compressor is operating, a loud operating noise will be produced.
  This does not indicate a malfunction.

■ **The wheel of a tire that has been repaired**

If you remove the sealant adhering to the wheel with a rag, you can reuse the wheel. However, in the case of the valve, replace it with a new one.

CAUTION

■ **Precaution for children**

Keep the emergency tire puncture repair kit out of the reach of children and store it properly.

■ **Sealant precautions**

- The sealant in the emergency tire puncture repair kit is not for human consumption.
  If the sealant is consumed inadvertently, drink a large quantity of water and get medical attention immediately.
- If sealant gets in your eyes or on your skin, thoroughly wash with a large quantity of water. If necessary, get medical attention.

■ **When fixing the flat tire**

- Stop your vehicle in a safe and flat area.
- If force is used to turn the valve core tool while air remains in the tire, special care should be taken because the valve core could fly out.
- Be careful, as sealant may fly out if you shake the bottle with the hose installed.
- If the hose is not securely installed, sealant may leak out when filling.
- Connect the valve and hose securely with the tire installed on the vehicle.
- Be careful handling the compressor, as parts of the compressor get hot during operation. Some parts of the compressor may remain hot after use.

■ **Driving to spread the liquid sealant evenly**

Drive your vehicle with due care. Be especially careful when turning and cornering.

NOTICE

Vehicles 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.

When performing an emergency repair

Perform the emergency repair without removing the nail or screw that has punctured the tread of the tire. If the object that has punctured the tire is removed, the repair using the sealant in the emergency tire puncture repair kit may fail.

When fixing the flat tire

- Do not put the valve core on dirty ground or in the sand.
  Store it in a clean place.
- Do not remove the inside cap of the sealant bottle.
- Turn the valve core tool with your hand when screwing it in. If you use another tool in conjunction with the valve core tool, damage may occur.
- Do not operate the compressor continuously for more than 7 minutes. The motor may overheat and be damaged. Let the compressor cool before using it again.

Compressor precautions

- The compressor power source should be 12 V DC suitable for vehicle use. Do not connect the compressor to 24 V DC or any other power source.
- The compressor is an oil-less type. Do not lubricate with oil.

If the engine will not start

If the engine still does not start after following the correct starting procedure (→P. 200, 205) or releasing the steering lock (→P. 203, 207), confirm the following points.

The engine will not start even if you are carrying the correct key

One of the following may be the cause of the problem.

- There may not be sufficient fuel in the vehicle's tank.
  Gasoline engine: Refuel the vehicle.
  Diesel engine: (→P. 706)
- The engine may be flooded. (gasoline engine)
  Try to restart the engine once more following correct starting procedures. (→P. 200, 205)
- There may be a malfunction in the engine immobilizer system. (→P. 127)

The starter motor turns over slowly, the personal/interior lights and headlights are dim, or the horn does not sound or sounds at a low volume

One of the following may be the cause of the problem.

- The battery may be discharged. (→P. 697)
- The battery terminal connections may be loose or corroded.

■ **The starter motor does not turn over (vehicles with smart entry & start system)**

The engine starting system may be malfunctioning due to an electrical problem such as an open circuit or a blown fuse. However, an interim measure is available to start the engine.
(→P. 683)

■ **The starter motor does not turn over, the personal/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. (→P. 697)
- There may be a malfunction in the steering lock system. (vehicles with smart entry & start system)

  Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, if the problem cannot be repaired, or if repair procedures are unknown.

Emergency start function (Multidrive or automatic transmission vehicles with smart entry & start system)

When the engine does not start, the following steps can be used as an interim measure to start the engine if the “ENGINE START STOP” switch is functioning normally.

STEP 1 Set the parking brake.

STEP 2 Put the shift lever in “P”.

STEP 3 Set the “ENGINE START STOP” switch to ACCESSORY mode.

STEP 4 Push and hold the “ENGINE START STOP” switch about 15 seconds while depressing the brake pedal firmly.

Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle checked by any authorized Toyota dealer or repairer, or another duty qualified and equipped professional.

If the shift lever cannot be shifted from “P”

For vehicles with Multidrive or automatic transmission: If the shift lever cannot be shifted with your foot on the brake, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, immediately.

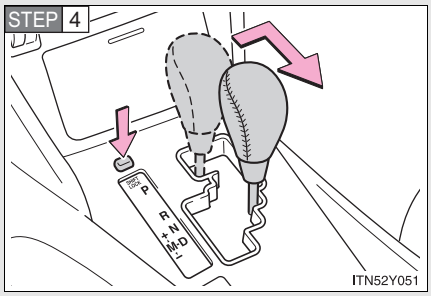
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

STEP 1 Set the parking brake.

STEP 2 Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch to ACCESSORY mode.
Vehicles without smart entry & start system: Turn the engine switch to the “ACC” position.

STEP 3 Depress the brake pedal.

STEP 4



Press the “SHIFT LOCK” button.

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

If the parking brake cannot be released

In the event that the battery is discharged or switch operation does not release the parking brake, the parking brake can be released manually using the procedure below. This procedure should be performed only if necessary, such as in an emergency.
If the switch cannot be operated even when the battery is normal, the parking brake system may be malfunctioning. Have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately.

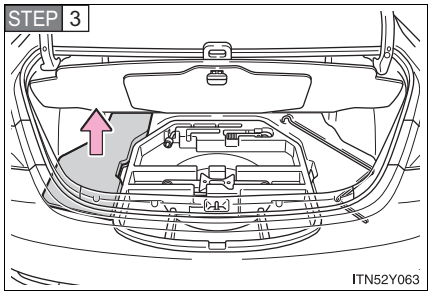
Before releasing the parking brake manually

- Vehicles with a Multidrive or automatic transmission: Shift the shift lever to “P”.
- Vehicles with a manual transmission: Shift the shift lever to “1” or “R”.
- Vehicles with smart entry & start system: Turn the “ENGINE START STOP” switch OFF.
- Vehicles without smart entry & start system: Turn the engine switch to the “LOCK” position.
- Check that the parking brake indicator is off.
- Chock the tires.
- Stop the vehicle on a hard, flat surface.

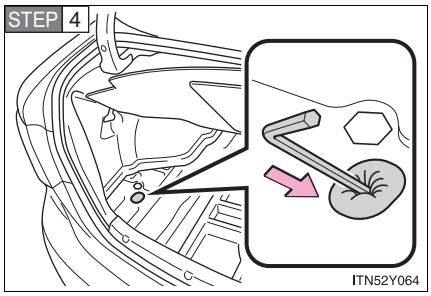
Releasing the parking brake manually (sedan)

STEP 1 Lift the luggage mat. (→P. 499)

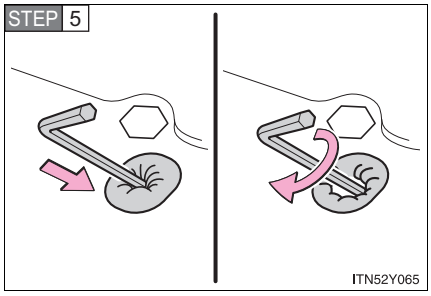
STEP 2 Take out the parking brake release tool from the trunk. (→P. 640, 668)



Turn over the left side floor mat in the trunk.



Remove or break the seal covering the releasing hole.



Push the parking brake release tool in as far as it will go, making sure that it does not move when your hand is released, and turn it clockwise until the clutch sound is heard. (approx. 600 revolutions, approx. 20 minutes)

It spins free if rotate the releasing tool in counterclockwise direction.

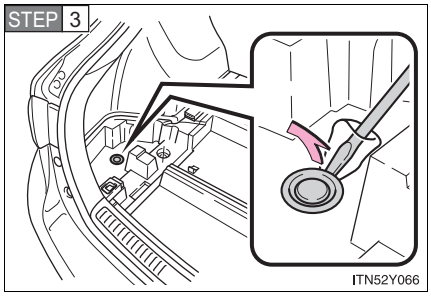
After releasing the parking brake, make sure to remove the release tool and place it in the tool tray.

Releasing the parking brake manually (wagon)

STEP 1 Take out the parking brake release tool from the luggage compartment. (→P. 654, 669)

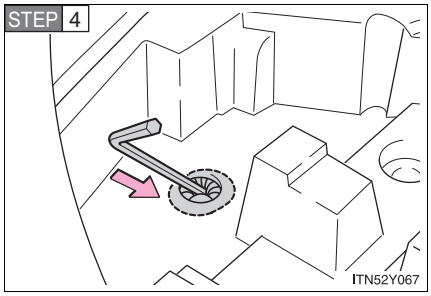
STEP 2 Lift the left side deck board. (→P. 502)

STEP 3

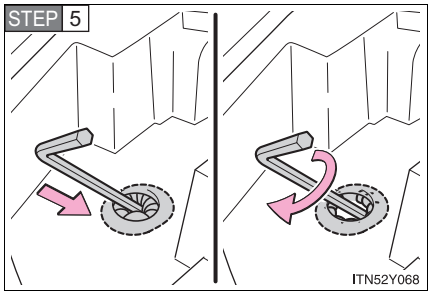


Turn over the luggage box cap.

STEP 4



Remove or break the seal covering the releasing hole.



Push the parking brake release tool in as far as it will go, making sure that it does not move when your hand is released, and turn it clockwise until the clutch sound is heard. (approx. 600 revolutions, approx. 20 minutes)

It spins free if rotate the releasing tool in counterclockwise direction.

After releasing the parking brake, make sure to remove the release tool and place it in the tool tray.

■ **When the seal is damaged**

The seal needs to replace by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
If the trunk/luggage compartment has flooded with water when the seal has been broken or is missing (for example, if the vehicle has been left outside in the rain with the trunk lid open or removed), the parking brake system will need to be replaced.

■ **Manual operation of the parking brake**

The parking brake cannot be set manually.

CAUTION

When releasing the parking brake manually

▶ Vehicles with smart entry & start system

- Shift the shift lever to “P” (Multidrive or automatic transmission) or “1” or “R” (manual transmission), turn the “ENGINE START STOP” switch OFF and chock the tires.
  Failure to do so may cause the vehicle to move, resulting in an accident.
- Turn the “ENGINE START STOP” switch OFF and check that the parking brake indicator is off.
  Failure to do so may cause the system to operate and turn the parking brake release tool that is inserted, resulting in an injury.

▶ Vehicles without smart entry & start system

- Shift the shift lever to “P” (Multidrive or automatic transmission) or “1” or “R” (manual transmission), turn the engine switch to “LOCK” position and chock the tires.
  Failure to do so may cause the vehicle to move, resulting in an accident.
- Turn the engine switch to “LOCK” position and check that the parking brake indicator is off.
  Failure to do so may cause the system to operate and turn the parking brake release tool that is inserted, resulting in an injury.

NOTICE

When releasing the parking brake manually

- Be sure to turn the tool as far as it will go.
  Stopping midway will cause switch operation to cancel and will cause the parking brake system to fail.
- Use designated releasing tool only.
  Using commercially available tool may damage the releasing hole and unable to remove the hole.

If you lose your keys

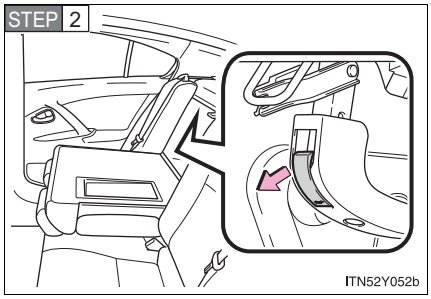
New genuine Toyota keys can be made by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional. For vehicles with smart entry & start system, bring the other keys and the key number stamped on your key number plate. For vehicles without smart entry & start system, bring a master key and the key number stamped on the key number plate.

If you cannot operate the trunk opener (sedan)

If the trunk opener does not operate, there may be a problem with the trunk opener system. Have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately.
The following steps may be used as an emergency measure to ensure that the trunk can be opened from the inside.

STEP 1 Folding down the right hand seatback. (→P. 93)

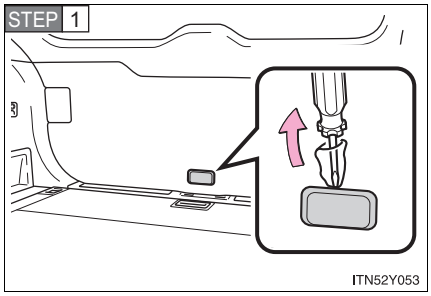
STEP 2



Pull the emergency release lever.

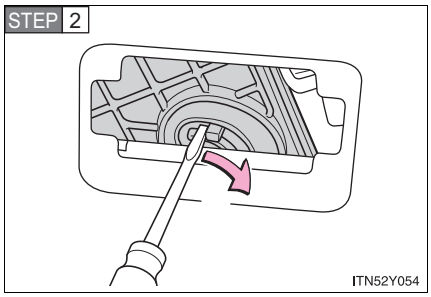
If you cannot operate the back door opener (wagon)

If the back door opener does not operate, there may be a problem with the back door opener system. Have the vehicle inspected by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional immediately.
The following steps may be used as an emergency measure to ensure that the back door can be opened from the inside.



Remove the cover on the back door trim.

Use a cloth to prevent scratches.

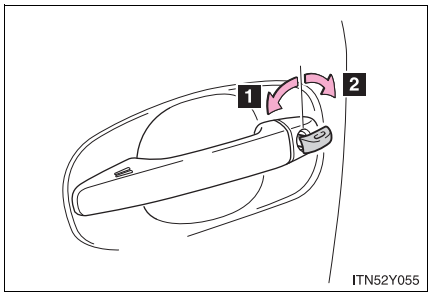


Push the lever with the back door motor, and open the back door.

If the electronic key does not operate properly

For vehicles with smart entry & start system: If communication between the electronic key and vehicle is interrupted (→P. 44) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors can be opened or the engine can be started by following the procedure below.

Locking and unlocking the doors and key linked functions



1 Locks all doors

2 Unlocks all doors

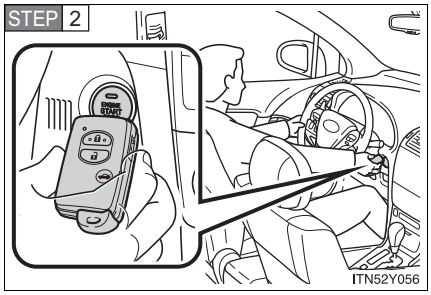
An alarm will sound if the alarm is set. (→P. 138)

Starting the engine

STEP 1 Vehicles with a Multidrive or automatic transmission: Shift the shift lever to “P” and apply the brakes.

Vehicles with a manual transmission: Shift the shift lever to “N” and depress the clutch pedal.

STEP 2



Touch the Toyota emblem side of the electronic key to the “ENGINE START STOP” switch.

An alarm will sound to indicate that the start function cannot detect the electronic key that is touched to the “ENGINE START STOP” switch if any of the doors is opened while the key is touched to the switch.

STEP 3 Press the “ENGINE START STOP” switch within 10 seconds after the buzzer sounds, keeping the brake pedal (Multidrive or automatic transmission) or clutch pedal (manual transmission) depressed.

In the event that the “ENGINE START STOP” switch still cannot be operated, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

■ **Stopping the engine**

Shift the shift lever to “P” (Multidrive or automatic transmission) or “N” (manual transmission) and press the “ENGINE START STOP” switch as you normally do when stopping the engine.

■ **Replacing the key battery**

As this procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery depletes.
(→P. 556)

■ **Alarm**

Using the mechanical key to lock the doors will not set the alarm system.
If a door is unlocked using the mechanical key when the alarm system is set, the alarm may be triggered. (→P. 138)

■ **Changing “ENGINE START STOP” switch modes**

▶ Automatic transmission

Within 10 seconds of the buzzer sounding, release the brake pedal and press the “ENGINE START STOP” switch.
The engine does not start and modes will be changed each time the switch is pressed. (→P. 202)

▶ Manual transmission

Within 10 seconds of the buzzer sounding, release the clutch pedal and press the “ENGINE START STOP” switch.
The engine does not start and modes will be changed each time the switch is pressed. (→P. 202)

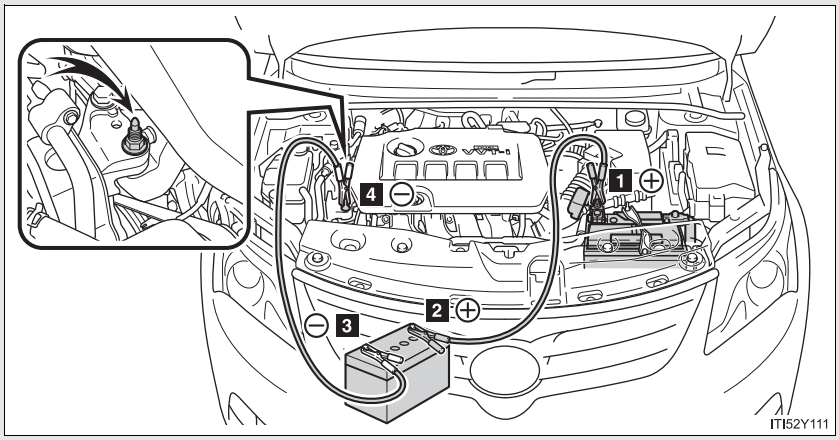
If the battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can also call any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

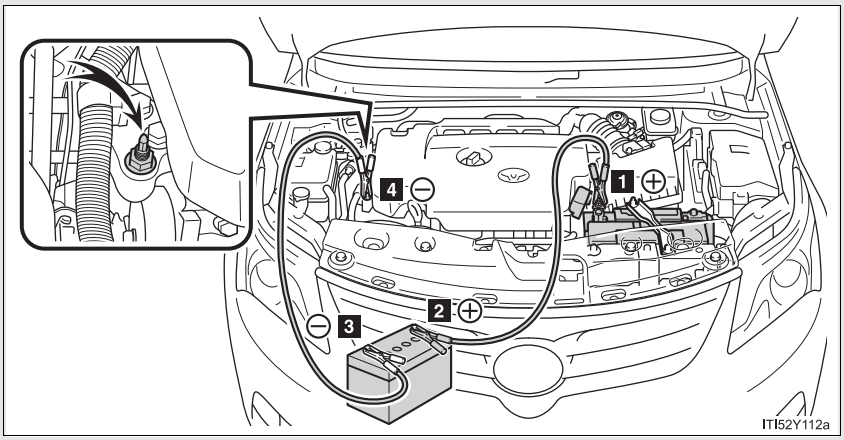
If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Toyota following the steps below.

STEP 1 Connect the jumper cables.

▶ Gasoline engine



▶ Diesel engine



1 Positive (+) battery terminal on your vehicle
2 Positive (+) battery terminal on the second vehicle
3 Negative (-) battery terminal on the second vehicle
4 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 Vehicles with smart entry & start system: Open and close any of the doors with the “ENGINE START STOP” switch OFF.

STEP 4 Vehicles with smart entry & start system: Maintain the engine speed of the second vehicle and turn the “ENGINE START STOP” switch to IGNITION ON mode, then start the vehicle’s engine.

Vehicles without smart entry & start system: Maintain the engine speed of the second vehicle and turn the engine switch to the “ON” position, then start the vehicle’s engine.

STEP 5 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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional, as soon as possible.

■ **Starting the engine when the battery is discharged (vehicles with a Multidrive or automatic transmission)**

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.)

■ **When the battery is removed or discharged**

Make sure that the key is not inside the vehicle when recharging or replacing the battery. The key may be locked in the vehicle if the alarm is activated. (→P. 141)

⚠ CAUTION

■ **Avoiding battery fires or explosions**

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery.

- Make sure 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 allow open flame or use matches, cigarette lighters or smoke near the battery.

CAUTION

Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery.

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

NOTICE

To prevent damaging the vehicle (vehicles with a manual transmission)

Do not pull- or push-start the vehicle, because the catalytic converter may overheat and become a fire hazard.

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.

If your vehicle overheats

The following may indicate that your vehicle is overheating.

- The engine coolant temperature gauge (→P. 232) enters the red zone or a loss of power is experienced.
- Steam is coming from under the hood.

Follow the correction procedure as described below.

STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the engine.

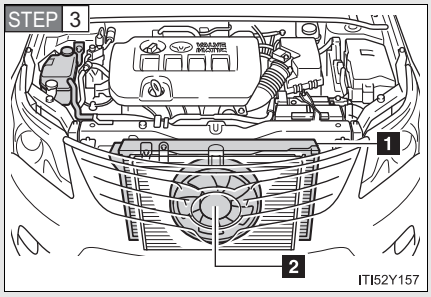
STEP 2 If you see steam:

Carefully lift the hood after the steam subsides.

If you do not see steam:

Carefully lift the hood.

STEP 3



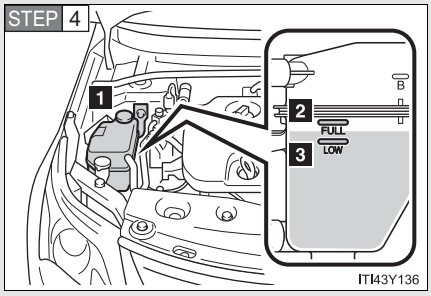
After the engine has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.

1 Radiator

2 Cooling fan

If a large amount of coolant leaks, immediately contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

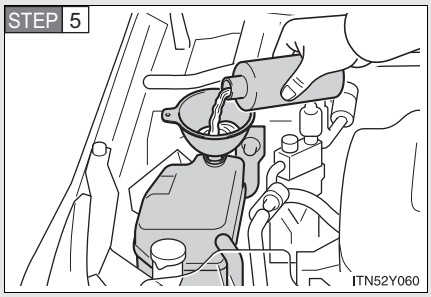
STEP 4



The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir. (→P. 536)

1 Reservoir
2 “FULL”
3 “LOW”

STEP 5



Add coolant if necessary.

Water can be used in an emergency if engine coolant is unavailable. (→P. 725)

STEP 6 Start the engine and turn the air conditioning system on to check that the radiator cooling fan operates and to check for coolant leaks from the radiator or hoses.

The fan operates when the air conditioning system is turned on immediately after a cold start. Confirm that the fan is operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly.
(The fan may not operate in freezing temperatures.)

STEP 7 If the fan is not operating:

Stop the engine immediately and contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

If the fan is operating:

Have the vehicle inspected at the nearest authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

⚠ CAUTION

■ **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 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 system

Observe the following precautions:

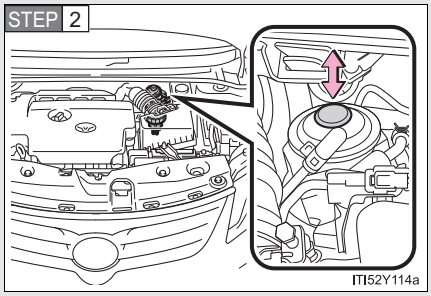
- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use commercially available coolant additives.

If you run out of fuel and the engine stalls (diesel engine)

If you run out of fuel and the engine dies:

STEP 1 Refuel your vehicle.

STEP 2



Operate the priming pump until you feel more resistance to bleed the fuel system.

STEP 3 Start the engine. (→P. 200, 205)

If the engine does not start after the above steps have been performed, wait for 10 seconds and try step 2 and 3 again. If the engine still does not start, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

After starting the engine, depress the accelerator pedal lightly until the engine runs smoothly.

⚠ NOTICE

■ **When restarting the engine**

- Do not crank the engine before refueling and operating the priming pump. This may damage the engine and fuel system.
- Vehicles without smart entry & start system: Do not crank for more than 30 seconds at a time. This may overheat the starter and wiring system.

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

STEP 1 Stop the engine. Set the parking brake and put the shift lever in “P” (Multidrive or automatic transmission) or “N” (manual transmission).

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 Shift the shift lever to the “D” or “R” position (Multidrive or automatic transmission) or “1” or “R” position (manual transmission) and carefully apply the accelerator to free the vehicle.

Turn off the TRC and/or VSC systems if it is difficult to get out because of TRC and/or VSC operation. (→P. 320)

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

Vehicles with a Multidrive or automatic transmission: Be careful not to shift the shift lever with the accelerator pedal depressed.
This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

NOTICE

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.

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”

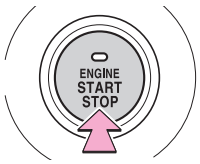
STEP 3 After slowing down, stop the vehicle in a safe place by the road.

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.

STEP 4

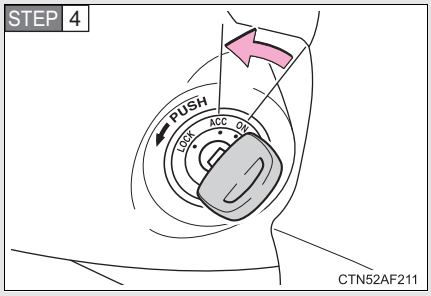


Press and hold for 2 seconds or more, or press briefly 3 times or more

CTY52AD216

Vehicles with a smart entry & start system: To stop the engine, press and hold the “ENGINE START STOP” switch for 2 consecutive seconds or more, or press it briefly 3 times or more in succession.

STEP 4



Vehicles without smart entry & start system: Stop the engine by turning the engine switch to the “ACC” position.

STEP 5 Stop the vehicle in a safe place by the road.

⚠ 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.
- Vehicles without smart entry & start system: Never attempt to remove the key, as doing so will lock the steering wheel.

Vehicle specifications 6

6-1. Specifications

Maintenance data (fuel, oil level, etc.)..... 712

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6-2. Customization

Customizable features..... 741

6-3. Initialization

Items to initialize..... 746

Dimensions and weights

Overall length	Sedan	4710 mm (185.4 in.)
	Wagon	4780 mm (188.2 in.)
Overall width		1810 mm (71.2 in.)
Overall height*1		1480 mm (58.2 in.)
Wheelbase		2700 mm (106.3 in.)
Tread	Front	1560 mm (61.4 in.)*2 1550 mm (61.0 in.)*3
	Rear	1550 mm (61.0 in.)*2 1540 mm (60.6 in.)*3
Gross vehicle mass	1ZR-FAE engine	1950 kg (4298.9 lb.)
	2ZR-FAE engine	2020 kg (4453.3 lb.)*4 2000 kg (4409.2 lb.)*5
	3ZR-FAE engine	2050 kg (4519.4 lb.)*4 2020 kg (4453.3 lb.)*5
	1AD-FTV engine	2100 kg (4629.7 lb.) 2130 kg (4695.8 lb.)*6
	2AD-FTV and 2AD-FHV engines	2140 kg (4717.8 lb.)
Maximum permissible axle capacity	Front	1215 kg (2678.6 lb.)*7 1250 kg (2755.7 lb.)*8
	Rear	1135 kg (2502.2 lb.)*7 1215 kg (2678.6 lb.)*8

Drawbar load		75 kg (165.3 lb.)
Towing capacity	With brake	▶ 1ZR-FAE engine 1400 kg (3086.4 lb.) ▶ 2ZR-FAE engine 1600 kg (3527.3 lb.)*4 1500 kg (3306.9 lb.)*5 ▶ 3ZR-FAE engine 1800 kg (3968.3 lb.)*4 1500 kg (3306.9 lb.)*5 ▶ 1AD-FTV engine 1600 kg (3527.3 lb.) ▶ 2AD-FTV engine 1800 kg (3968.3 lb.) ▶ 2AD-FHV engine 1800 kg (3968.3 lb.)*5 1600 kg (3527.3 lb.)*9
	Without brake	500 kg (1102.3 lb.)

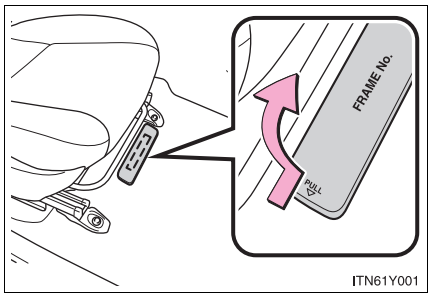
*1: Unladen vehicles
*2: 205/60R16 tires
*3: 215/55R17 and 225/45R18 tires
*4: Vehicles with a Multidrive
*5: Vehicles with a manual transmission
*6: ADT270L-AWFEYW and ADT270R-AWFEYW models
The model code is indicated on the manufacturer's label. (→P. 714)
*7: Vehicle category M1 models
*8: Vehicle category N1 models
*9: Vehicles with an automatic transmission

To distinguish the vehicle category, ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

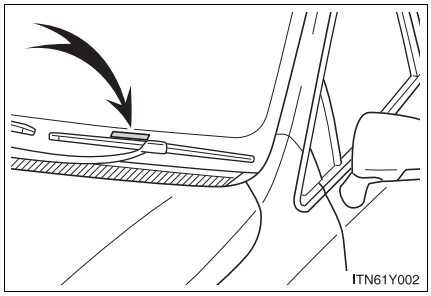
Vehicle identification

Vehicle identification number

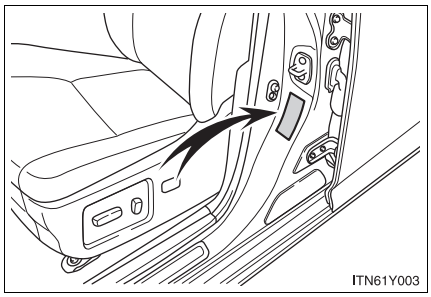
The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.



Left-hand drive vehicles: This number is stamped under the front passenger seat.



Right-hand drive vehicles: This number is stamped on the top left of the instrument panel.

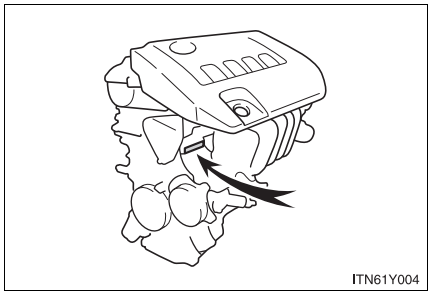


This number is also on the manufacturer's label.

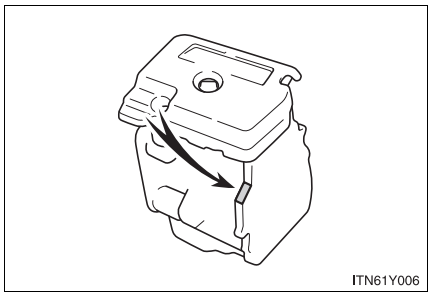
■ **Engine number**

The engine number is stamped on the engine block as shown.

▶ Gasoline engine

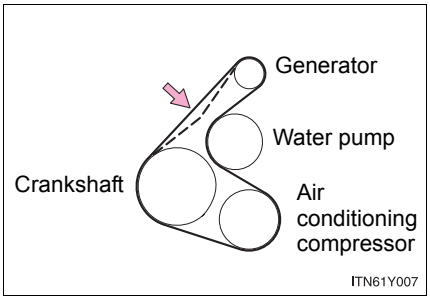


▶ Diesel engine



Engine

▶ Gasoline engine

Model	1ZR-FAE, 2ZR-FAE, 3ZR-FAE
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	▶ 1ZR-FAE engine 80.5 × 78.5 mm (3.17 × 3.09 in.) ▶ 2ZR-FAE engine 80.5 × 88.3 mm (3.17 × 3.48 in.) ▶ 3ZR-FAE engine 80.5 × 97.6 mm (3.17 × 3.84 in.)
Displacement	▶ 1ZR-FAE engine 1598 cm^3 (97.5 cu.in.) ▶ 2ZR-FAE engine 1798 cm^3 (109.7 cu.in.) ▶ 3ZR-FAE engine 1987 cm^3 (121.2 cu.in.)
Valve clearance (engine cold)	Automatic adjustment
Drive belt tension	7.6 — 10.0 mm (0.30 — 0.39 in.)*  *: Drive belt deflection with 98 N (10 kgf, 22 lbf) thumb force (used belt)

▶ Diesel engine

Model	1AD-FTV, 2AD-FTV, 2AD-FHV
Type	4-cylinder in line, 4-cycle, diesel
Bore and stroke	▶ 1AD-FTV engine 86.0 x 86.0 mm (3.39 × 3.39 in.) ▶ 2AD-FTV and 2AD-FHV engines 86.0 x 96.0 mm (3.39 × 3.78 in.)
Displacement	▶ 1AD-FTV engine 1998 cm^3 (121.9 cu. in.) ▶ 2AD-FTV and 2AD-FHV engines 2231 cm^3 (136.1 cu.in.)
Valve clearance (engine cold)	Automatic adjustment
Drive belt tension	Automatic adjustment

Fuel

▶ Gasoline engine

Fuel type	EU area: Unleaded gasoline conforming to European standard EN228 only Except EU area: Unleaded gasoline only
Research octane number	95 or higher
Fuel tank capacity (reference)	60 L (15.9 gal., 13.2 Imp.gal.)

▶ Diesel engine

Fuel type	1AD-FTV engine	▶ Vehicles with DPF catalytic converter EU area: Diesel fuel conforming to European standard EN590 Except EU area: Diesel fuel that contains 50 ppm or less of sulfur ▶ Vehicles without DPF catalytic converter EU area: Diesel fuel conforming to European standard EN590 Except EU area: Diesel fuel that contains 500 ppm or less of sulfur
	2AD-FTV and 2AD-FHV engines	EU area: Diesel fuel conforming to European standard EN590 Except EU area: Diesel fuel that contains 50 ppm or less of sulfur
Cetane number		48 or higher
Fuel tank capacity (reference)		60 L (15.9 gal., 13.2 Imp.gal.)

Lubrication system

Oil capacity (Drain and refill — reference*)	
▶ Gasoline engine	With filter: 4.2 L (4.4 qt., 3.7 Imp.qt.) Without filter: 3.9 L (4.1 qt., 3.4 Imp.qt.)
▶ Diesel engine	▶ 1AD-FTV engine (vehicles with DPF catalytic converter) With filter: 5.9 L (6.2 qt., 5.2 Imp.qt.) Without filter: 5.5 L (5.8 qt., 4.8 Imp.qt.) ▶ 1AD-FTV engine (vehicles without DPF catalytic converter) With filter: 6.3 L (6.7 qt., 5.5 Imp.qt.) Without filter: 5.9 L (6.2 qt., 5.2 Imp.qt.) ▶ 2AD-FTV and 2AD-FHV engines With filter: 5.9 L (6.2 qt., 5.2 Imp.qt.) Without filter: 5.5 L (5.8 qt., 4.8 Imp.qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Toyota recommends the use of approved “Toyota Genuine Motor Oil”. Another motor oil of matching quality can also be used.

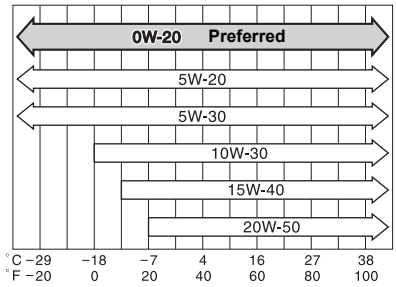
▶ Gasoline engine

Oil grade:

0W-20, 5W-20, 5W-30 and 10W-30:
API grade SL “Energy-Conserving”, SM “Energy-Conserving”, SN “Resource-Conserving” or ILSAC multigrade engine oil

15W-40 and 20W-50:
API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):



Temperature range anticipated before next oil change.

ITNOIL059

SAE 0W-20 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

If SAE 0W-20 oil is not available, SAE 5W-30 oil may be used. However, it should be replaced with SAE 0W-20 at the next oil change.

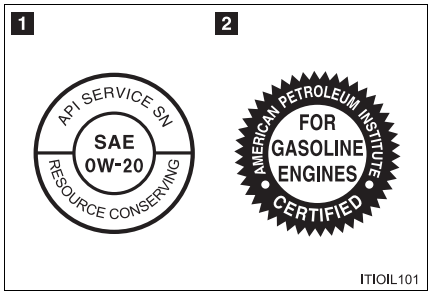
If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 or lower viscosity engine oil is recommended.

Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



1 API Service Symbol

Top portion: The oil quality designation by API (American Petroleum Institute) (SN)

Center portion: The SAE viscosity grade (SAE 0W-20)

Lower portion: “Resource-Conserving” means that the oil has fuel saving and environmental protection capabilities.

2 ILSAC Certification Mark

The ILSAC (International Lubricant Standardization and Approval Committee) Certification Mark is displayed on the front of the container.

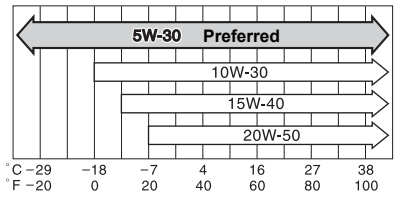
▶ 1AD-FTV engine without DPF catalytic converter

- Diesel fuel that contains between 50 ppm and 500 ppm of sulfur

Oil grade:

ACEA B1, API CF-4 or CF

Recommended viscosity (SAE):



Temperature range anticipated before next oil change.

ITNOIL061

SAE 5W-30 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 engine oil is recommended.

Oil viscosity (5W-30 is explained here as an example):

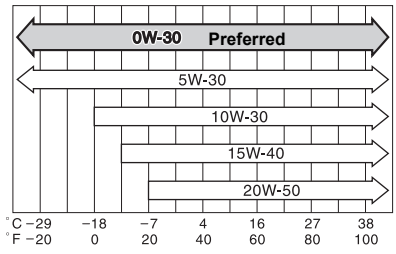
- The 5W in 5W-30 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 30 in 5W-30 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle operated at high speeds, or under extreme load conditions.

- Diesel fuel that contains 50 ppm or less of sulfur

Oil grade:

ACEA C2, B1, API CF-4 or CF

Recommended viscosity (SAE):



Temperature range anticipated before next oil change.

ITNOIL067

SAE 0W-30 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 or 0W-30 engine oil is recommended.

Oil viscosity (0W-30 is explained here as an example):

- The 0W in 0W-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 0W-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.

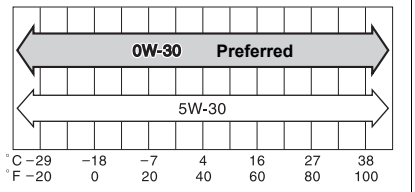
▶ 1AD-FTV engine with DPF catalytic converter, 2AD-FTV and 2AD-FHV engines

Oil grade: ACEA C2

NOTICE

Using engine oil other than ACEA C2 may damage the catalytic converter.

Recommended viscosity (SAE):



Temperature range anticipated before next oil change.

ITNOIL066

SAE 0W-30 is filled into your Toyota vehicle at manufacturing, and the best choice for good fuel economy and good starting in cold weather.

Oil viscosity (0W-30 is explained here as an example):

- The 0W in 0W-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 0W-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.

Cooling system

Capacity (reference)	Gasoline engine	▶ 1ZR-FAE engine 6.3 L (6.7 qt., 5.5 Imp.qt.) ▶ 2ZR-FAE and 3ZR-FAE engines Multidrive: 6.2 L (6.6 qt., 5.5 Imp.qt.) Manual transmission: 6.3 L (6.7 qt., 5.5 Imp.qt.)
	Diesel engine	▶ With power heater 7.8 L (8.2 qt., 6.9 Imp.qt.) ▶ Without power heater 7.4 L (7.8 qt., 6.5 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 (gasoline engine)

Spark plug Make	 DENSO SC20HR11
Gap	1.1 mm (0.043 in.)

NOTICE

■ Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust gap when tuning engine.

Electrical system

Battery Open voltage at 20°C (68°F):	 12.6 — 12.8 V Fully charged 12.2 — 12.4 V Half charged 11.8 — 12.0 V Discharged (Voltage is checked 20 minutes after the engine and all the lights are turned off.)
Charging rates	5 A max.

Multidrive

Fluid capacity (reference)	2ZR-FAE engine	7.7 L (8.1 qt., 6.8 Imp.qt.)
	3ZR-FAE engine	9.1 L (9.6 qt., 8.0 Imp.qt.)
Fluid type	2ZR-FAE engine	Toyota Genuine CVT Fluid FE
	3ZR-FAE engine	Toyota Genuine CVT Fluid TC or FE

The fluid capacity is the quantity of reference. If replacement is necessary, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

⚠ NOTICE

■ Multidrive fluid type

▶ 2ZR-FAE engine

Using transmission fluid other than “Toyota Genuine CVT Fluid FE” may cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage the transmission of your vehicle.

▶ 3ZR-FAE engine

Using transmission fluid other than “Toyota Genuine CVT Fluid TC” or “Toyota Genuine CVT Fluid FE” may cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage the transmission of your vehicle.

Automatic transmission

Fluid capacity (reference)	6.5 L (6.9 qt., 5.7 Imp.qt.)
Fluid type	Toyota Genuine ATF WS

The fluid capacity is the quantity of reference. If replacement is necessary, contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

NOTICE

■ Automatic transmission fluid type

Using 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 transmission of your vehicle.

Manual transmission

Gear oil capacity	Gasoline engine	2.4 L (2.5 qt., 2.1 Imp.qt.)
	Diesel engine	2.3 L (2.4 qt., 2.0 Imp.qt.)
Gear oil type		Use either of the following: • “TOYOTA Genuine Manual Transmission Gear Oil LV” • Other gear oil that meets API GL-4 and SAE 75W specifications

⚠ NOTICE

■ Manual transmission gear oil

Please be aware that depending on the particular characteristics of the gear oil used or the operating conditions, idle sound, shift feeling and/or fuel efficiency may be different or affected. Toyota recommends to use “TOYOTA Genuine Manual Transmission Gear Oil LV” to achieve optimal performance.

Clutch

Pedal free play	5 — 15 mm (0.2 — 0.6 in.)
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3 or SAE J1704 or FMVSS No. 116 DOT 4

Brakes

Pedal clearance* Left-hand drive vehicles Right-hand drive vehicles	 59 mm (2.32 in.) Min. 58 mm (2.28 in.) Min.
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3 or SAE J1704 or FMVSS No. 116 DOT 4

*: Minimum pedal clearance when depressed with a force of 490 N (50 kgf, 110 lbf) while the engine is running

Steering

Free play	Less than 30 mm (1.18 in.)

Tires and wheels

▶ 225/45R18 91W

Tire size	225/45R18 91W		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	290 (2.9, 43)	280 (2.8, 41)
	160 km/h (99 mph) or less	250 (2.5, 37)	240 (2.4, 35)
Wheel size	18 × 7 1/2J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

▶ 225/45R18 95W

Tire size	225/45R18 95W		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	310 (3.1, 45)	270 (2.7, 40)
	160 km/h (99 mph) or less	270 (2.7, 40)	230 (2.3, 34)
Wheel size	18 × 7 1/2J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

▶ 215/55R17 94W (Type A*)

Tire size	215/55R17 94W		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	280 (2.8, 41)	270 (2.7, 40)
	160 km/h (99 mph) or less	240 (2.4, 35)	230 (2.3, 34)
Wheel size	17 × 7J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

▶ 215/55R17 94W (Type B*)

Tire size	215/55R17 94W		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	280 (2.8, 41)	270 (2.7, 40)
	160 km/h (99 mph) or less	Normal pressure 240 (2.4, 35) Eco pressure 260 (2.6, 38)	Normal pressure 230 (2.3, 34) Eco pressure 240 (2.4, 35)
Wheel size	17 × 7J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

▶ 215/55R17 94W (Type C*)

Tire size	215/55R17 94W		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	280 (2.8, 41)	270 (2.7, 40)
	160 km/h (99 mph) or less	Normal pressure 240 (2.4, 35) Eco pressure 280 (2.8, 41)	Normal pressure 230 (2.3, 34) Eco pressure 240 (2.4, 35)
Wheel size	17 × 7J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

*: If you are not sure of which type, see the “TIRE-LOADING INFORMATION” on the center pillar. (Each country has its own type of label.)

▶ 205/60R16 92V (1AD-FTV engine)

Tire size	205/60R16 92V		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	280 (2.8, 41)	250 (2.5, 37)
	160 km/h (99 mph) or less	250 (2.5, 37)	220 (2.2, 32)
Wheel size	16 × 6 1/2J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

▶ 205/60R16 92V (Except 1AD-FTV engine)

Tire size	205/60R16 92V		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm^2 or bar, psi)	Rear wheel kPa (kgf/cm^2 or bar, psi)
	More than 160 km/h (99 mph)	270 (2.7, 40)	250 (2.5, 37)
	160 km/h (99 mph) or less	240 (2.4, 35)	220 (2.2, 32)
Wheel size	16 × 6 1/2J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

▶ Compact spare tire

Tire size	T145/70D17 106M
Tire inflation pressure (Recommended cold tire inflation pressure)	420 kPa (4.2 kgf/cm^2 or bar, 60 psi)
Wheel size	17 × 4T
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)

NOTICE

■ **ECO pressure**

For optimizing fuel economy, ECO tire pressure is recommended. Tire pressure affects traveling comfort, road noise and steering characteristics.

Light bulbs

	Light Bulbs	W	Type
Exterior	Headlights Low beam Halogen bulbs Discharge bulbs High beam Halogen bulbs Discharge bulbs	 55 35 65 35	 A B C B
	Front turn signal lights	21	D
	Front position/daytime running lights (vehicles with halogen headlights)	5/21	E
	Front fog lights	19	F
	Rear turn signal lights	21	G
	Back-up light For sedan For wagon	 16 21	 E H
	Rear fog lights	21	H
	License plate lights	5	E
Interior	Personal/interior lights	8	E
	Vanity lights	8	E
	Door courtesy lights	5	I
	Trunk/luggage compartment light	5	I

A: H11 halogen bulbs
B: D4S discharge bulbs
C: H9 halogen bulbs
D: Wedge base bulbs (amber)
E: Wedge base bulbs (clear)
F: H16 halogen bulbs
G: Single end bulbs (amber)
H: Single end bulbs (clear)
I: Double end bulbs

Fuel information

▶ Gasoline engine	EU area: Your vehicle must use only unleaded gasoline conforming to European standard EN228. For optimum engine performance, select unleaded gasoline with a Research Octane Number of 95 or higher. Except EU area: Your vehicle must use only unleaded gasoline. For optimum engine performance, select unleaded gasoline with a Research Octane Number of 95 or higher.
▶ 1AD-FTV engine without DPF catalytic converter	EU area: Your vehicle must use only diesel fuel conforming to European standard EN590. Except EU area: Your vehicle must use only diesel fuel that contains 500 ppm or less of sulfur and has a cetane number of 48 or higher.

▶ 1AD-FTV engine with DPF catalytic converter, 2AD-FTV and 2AD-FHV engines	EU area: Your vehicle must use only diesel fuel conforming to European standard EN590. Except EU area: Your vehicle must use only diesel fuel that contains 50 ppm or less of sulfur and has a cetane number of 48 or higher.

■ **Fuel tank opening for unleaded gasoline (gasoline engine)**

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

■ **If you plan to drive in foreign countries (diesel engine)**

Low sulfur diesel fuel may not be available, so please confirm the availability with your distributor.

■ **If your engine knocks**

- Consult any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.

NOTICE

Notice on fuel quality

- Do not use improper fuels. If improper fuels are used the engine will be damaged.
- Gasoline engine: Do not use leaded gasoline.
  Leaded gasoline will cause the three-way catalytic converter to lose its effectiveness and emission control system to function improperly.
- 1AD-FTV engine without DPF catalytic converter:
  Do not use a fuel that contains more than 500 ppm of sulfur.

  Use of such a high sulfur fuel may damage the engine.
- 1AD-FTV engine with DPF catalytic converter, 2AD-FTV and 2AD-FHV engines:
  Do not use a fuel that contains more than 50 ppm of sulfur.

  Use of such a high sulfur fuel may damage the engine.
- Gasoline engine (EU area): Bioethanol fuel sold under names such as “E50” or “E85” and fuel containing a large amount of ethanol should not be used. The use of these fuels will damage the vehicle’s fuel system. In case of any doubt, ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- Gasoline engine (except EU area): Bioethanol fuel sold under names such as “E50” or “E85” and fuel containing a large amount of ethanol should not be used. Your vehicle can use gasoline mixed with 10% max ethanol. The use of fuel with more than 10% ethanol content (E10) will damage the vehicle’s fuel system. You must ensure that refueling is carried out only from a source where fuel specification and quality can be guaranteed. In case of any doubt, ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

NOTICE

- Diesel engine (EU area): FAME (Fatty Acid Methyl Ester) fuel sold under names such as “B30” or “B100” and fuel containing a large amount of FAME should not be used. The use of these fuels will damage the vehicle’s fuel system. In case of any doubt, ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.
- Diesel engine (except EU area): FAME (Fatty Acid Methyl Ester) fuel sold under names such as “B30” or “B100” and fuel containing a large amount of FAME should not be used. Your vehicle can use diesel mixed with 5% max biodiesel FAME (B5). The use of fuel with more than 5% FAME content (B5) will damage the vehicle’s fuel system. You must ensure that refueling is carried out only from a source where fuel specification and quality can be guaranteed. In case of any doubt, ask any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

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 any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

Some function settings are changed simultaneously with other functions being customized. Contact any authorized Toyota dealer or repairer, or another duly qualified and equipped professional.

For vehicles with a “touch screen” system, refer to the ““touch screen” Owner’s Manual”.

Customizable features

1 Vehicles with a “touch screen”: Settings that can be changed using the “touch screen” (Refer to the ““touch screen” Owner’s Manual”.)

2 Settings that can be changed by any authorized Toyota dealer or repairer, or another duly qualified and equipped professional
Definition of symbols: O = Available, - = Not available

Item	Function	Default setting	Customized setting	1	2
Smart entry & start system (→P. 39)	Smart entry & start system	ON	OFF	O	O
Wireless remote control (→P. 62)	Wireless remote control	ON	OFF	-	O
	Operation signal (Emergency flashers)	ON	OFF	-	O
	Open door warning function (when locking the vehicle)	ON	OFF	-	O
	Time elapsed before automatic door lock function is activated if door is not opened after being unlocked	30 seconds	60 seconds	-	O
			120 seconds	-	O

Item	Function	Default setting	Customized setting	1	2
Door lock (→P. 76)	Speed-detecting automatic door lock function	ON	OFF	O	O
	Opening driver's door unlocks all doors	ON	OFF	-	O
	Shifting the shift lever to "P" unlocks all doors*1	OFF	ON	O	O
	Shifting the shift lever to position other than "P" locks all doors*1	OFF	ON	O	O
Automatic light control system (→P. 252)	Light sensor sensitivity	Level 3	Level 1 to 5	O	O
	Time elapsed before headlights automatically turn off*2	30 seconds	60 seconds	-	O
			90 seconds		
			120 seconds		
Illumination (→P. 470)	Time period before lights turn off	15 seconds	7.5 seconds	-	O
			30 seconds		
	Operation after the "ENGINE START STOP" switch (vehicles with smart entry & start system) or engine switch (vehicles without smart entry & start system) turned OFF	ON	OFF	-	O

*1: Vehicles with a Multidrive or automatic transmission

*2: If equipped

Item	Function	Default setting	Customized setting	1	2
Illumination (→P. 470)	Operation when the doors are unlocked	ON	OFF	-	O
	Operation when you approach the vehicle with the electronic key on your person (When the interior light switch is in the door position)	ON	OFF	-	O
	Foot lights	ON	OFF	-	O
	Foot lights operation when the vehicle is running	ON	OFF	-	O
Multi-information display (→P. 239)	Eco Driving Indicator Zone Display on/off	ON	OFF	-	O

Multi-information display (→P. 239)

Available languages	English, French, German, Italian, Spanish, and Russian

Items to initialize

The following items must be initialized for normal system operation in cases such as after the battery is reconnected, or maintenance is performed on the vehicle.

Item	When to initialize	Reference
Engine oil maintenance data*	After changing engine oil	P. 534
Panoramic roof shade	When the automatic open/close function does not operate	P. 490

*: Diesel engine only

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For vehicles with a “touch screen”, refer to the ““touch screen” Owner’s Manual” for information regarding the equipment listed below.

- Navigation system
- Audio system
- Rear view monitor system

Abbreviation/Acronym list

ABBREVIATIONS	MEANING
A/C	Air Conditioning
ABS	Anti-lock Brake System
AFS	Adaptive Front-lighting System
CRS	Child Restraint System
DISP	Display
ECU	Electronic Control Unit
ELR	Emergency Locking Retractor
EPB	Electric Parking Brake
EPS	Electric Power Steering
GVM	Gross Vehicle Mass
LED	Light Emitting Diode
LKA	Lane Keeping Assist
MPAC	Maximum Permissible Axle Capacity
PCS	Pre-Crash Safety
SRS	Supplemental Restraint System
TRC	Traction Control
VIN	Vehicle Identification Number
VSC	Vehicle Stability Control

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*: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

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*: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

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*: For vehicles with a "touch screen", refer to ""touch screen" Owner's Manual".

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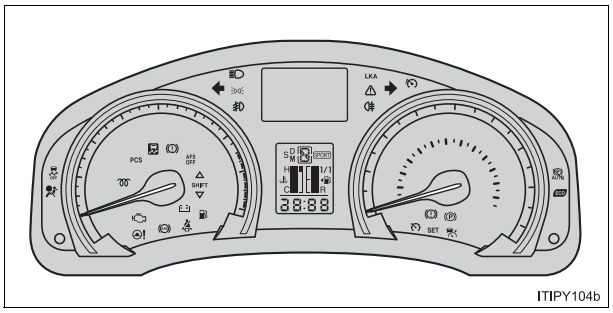
WMA disc* 398

*: For vehicles with a “touch screen”, refer to ““touch screen” Owner’s Manual”.

What to do if...

A tire punctures	P. 640	If you have a flat tire (vehicles with a spare tire for sedan)
	P. 654	If you have a flat tire (vehicles with a spare tire for wagon)
	P. 668	If you have a flat tire (vehicles without a spare tire)
The engine does not start	P. 681	If the engine will not start
	P. 706	If you run out of fuel and the engine stalls (diesel engine)
	P. 127	Engine immobilizer system
	P. 697	If the battery is discharged
The shift lever cannot be moved out	P. 684	If the shift lever cannot be shifted from “P”
The engine coolant temperature gauge enters the red zone	P. 702	If your vehicle overheats
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The key is lost	P. 691	If you lose your keys
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The horn begins to sound	P. 138	Alarm
The vehicle is stuck in mud or sand	P. 707	If the vehicle becomes stuck
The warning light or indicator light comes on	P. 609	If a warning light turns on



■**Warning lights**


Brake system warning light (red) P. 609


Charging system warning light P. 609


Malfunction indicator lamp P. 610


SRS warning light P. 610


ABS warning light P. 610


Brake system warning light (yellow) P. 610


“PCS” warning light* P. 611


“AFS OFF” indicator light* P. 611


Slip indicator light P. 611


“LKA” indicator light* P. 611


Cruise control indicator light* P. 612


Dynamic radar cruise control indicator light* P. 612


Speed limiter indicator light* P. 612


Electric power steering warning light P. 611


Low fuel level warning light P. 613


Seat belt reminder light P. 613

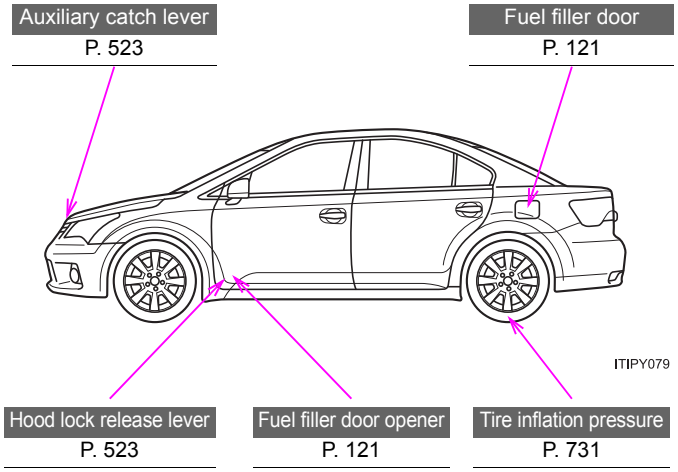

Master warning light P. 614

*: The light flashes to indicate a malfunction.

The warning message is displayed → P. 616 If a warning message is displayed

What to do if...

GAS STATION INFORMATION



Fuel tank capacity (reference)	60 L (15.9 gal., 13.2 Imp.gal.)
Fuel type	P. 123, 717
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Engine oil type	P. 719