TABLE OF CONTENTS

1	**Before driving**	Adjusting and operating features such as door locks, mirrors, and steering column.
2	**When driving**	Driving, stopping and safe-driving information.
3	**Interior features**	Air conditioning and audio systems, as well as other interior features for a comfortable driving experience.
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.
7	**For owners**	Reporting safety defects for U.S. owners and seat belt instructions for Canadian owners
	Index	Alphabetical listing of information contained in this manual.

1 Before driving

1-1. Key information
Keys 26

1-2. Opening, closing and locking the doors
Wireless remote control 28
Side doors 31
Back door 36

1-3. Adjustable components (seats, mirrors, steering wheel)
Front seats 38
Rear seats 41
Head restraints 48
Seat belts 52
Steering wheel 62
Anti-glare inside rear view mirror 63
Outside rear view mirrors 64

1-4. Opening and closing the windows
Power windows 67

1-5. Refueling
Opening the fuel tank cap 70

1-6. Theft deterrent system
Engine immobilizer system 74
Alarm (Puerto Rico)..... 76
Theft prevention labels (except Canada) 78

1-7. Safety information
Correct driving posture 79
SRS airbags 81
Front passenger occupant classification system..... 93
Child restraint systems 98
Installing child restraints 102

2 When driving

2-1. Driving procedures
Driving the vehicle 116
Engine (ignition) switch..... 125
Automatic Transmission 128
Manual Transmission 130
Turn signal lever 131
Parking brake 132
Horn 134

2-2. Instrument cluster
Gauges and meters 135
Indicators and warning lights 141

2-3. Operating the lights and wipers
Headlight switch 145
Fog light switch..... 147
Windshield wipers and washer 148
Rear window wiper and washer 151

2-4. Using other driving systems

Cruise control 152
Driving assist systems 155

2-5. Driving information

Cargo and luggage 157
Vehicle load limits 160
Winter driving tips 161
Trailer towing (except Canada) 164
Trailer towing (Canada) 165
Dinghy towing (vehicles with an automatic transmission) 173
Dinghy towing (vehicles with a manual transmission) 174

3 Interior features

3-1. Using the air conditioning system and defogger

Air conditioning system 178
Rear window and outside rear view mirror defoggers 185

3-2. Using the audio system

Audio system type 187
Using the radio 189
Using the CD player 195
Playing back MP3 and WMA discs 200
Optimal use of the audio system 207
Using the AUX adapter 209

3-3. Using the interior lights

Interior lights list 210
• Interior light 211
• Personal lights 211

3-4. Using the storage features

List of storage features 212
• Glove boxes 212
• Cup holders 214
• Bottle holders 215
• Auxiliary boxes 217

3-5. Other interior features

Sun visors 219
Vanity mirrors 220
Clock 221
Power outlet 223
Floor mat 224
Luggage compartment features 225

4 Maintenance and care

4-1. Maintenance and care

Cleaning and protecting the vehicle exterior 228
Cleaning and protecting the vehicle interior 230

4-2. Maintenance

Maintenance requirements 233
General maintenance 235
Emission inspection and maintenance (I/M) programs 238

4-3. Do-it-yourself maintenance

Do-it-yourself service precautions 239
Hood..... 242
Positioning a floor jack 243
Engine compartment..... 245
Tires 258
Tire inflation pressure..... 264
Wheels 268
Air conditioning filter..... 270
Key battery 273
Checking and replacing fuses 275
Light bulbs..... 286

5 When trouble arises

5-1. Essential information

Emergency flashers 296
If your vehicle needs to be towed 297
If you think something is wrong 303
Fuel pump shut off system..... 304
Event data recorder..... 305

5-2. Steps to take in an emergency

If a warning light turns on or a warning buzzer sounds... 307
If you have a flat tire..... 317
If the engine will not start ... 329
If the shift lever cannot be shifted from P..... 331
If you lose your keys 332
If the vehicle battery is discharged..... 333
If your vehicle overheats..... 337
If the vehicle becomes stuck 340

6 Vehicle specifications

6-1. Specifications

Maintenance data (fuel, oil level, etc.) 344
Fuel information..... 353
Tire information..... 356

6-2. Customization

Customizable features..... 369
Items to initialize 371

7 For owners

Reporting safety defects for U.S. owners..... 374
Seat belt instructions for Canadian owners (in French)..... 375

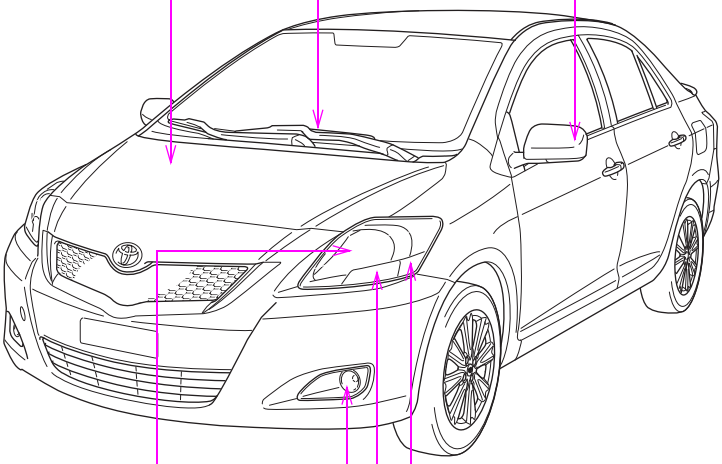
Index

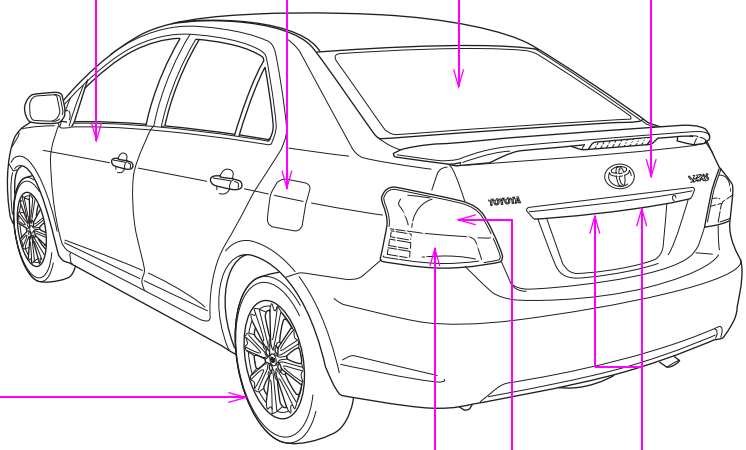
Abbreviation list..... 380

Alphabetical index 381

What to do if... 389

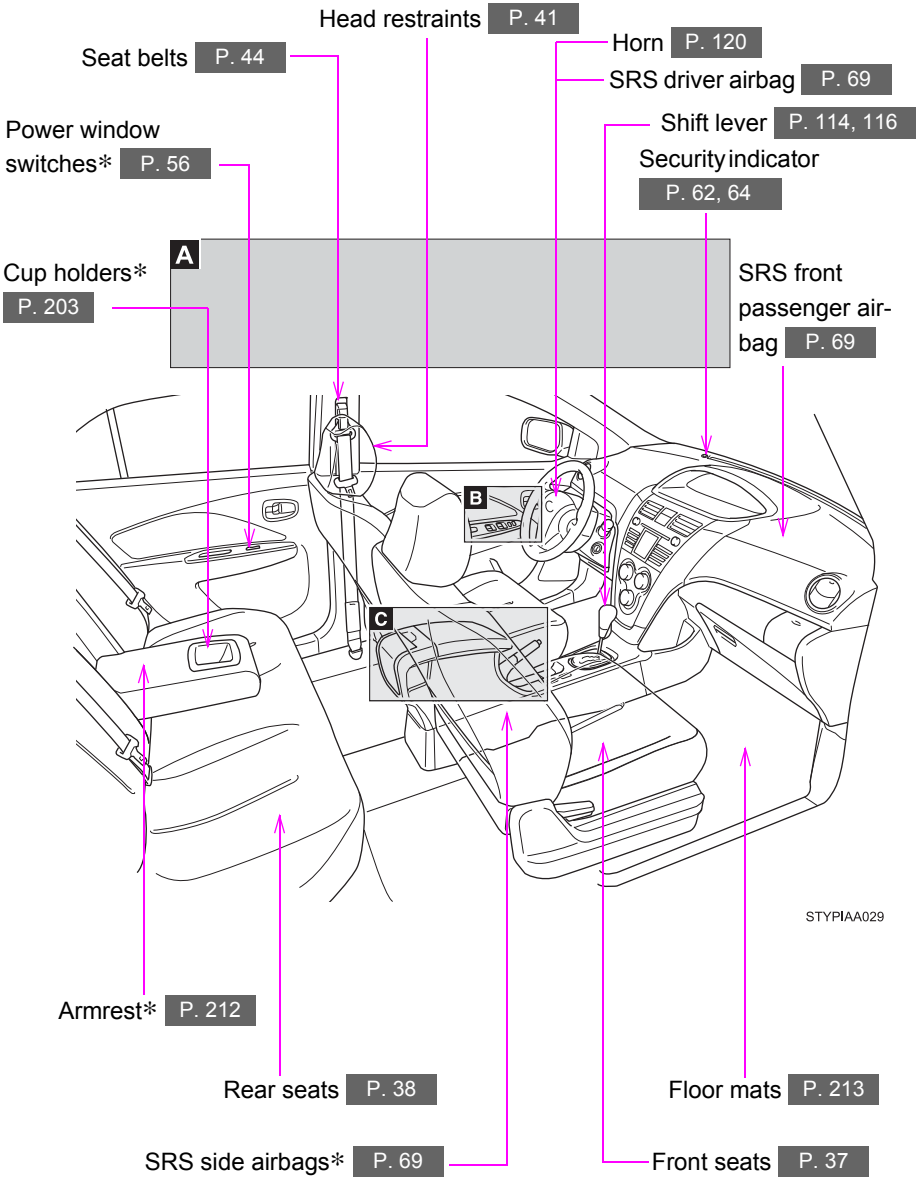
Exterior


Windshield wipers P. 133
Hood P. 231
Outside rear view mirrors P. 53
Headlights (low and high beam) and daytime running lights P. 130, 131
Front side marker lights P. 130
Front turn signal / parking lights P. 117, 130
Front fog lights* P. 132

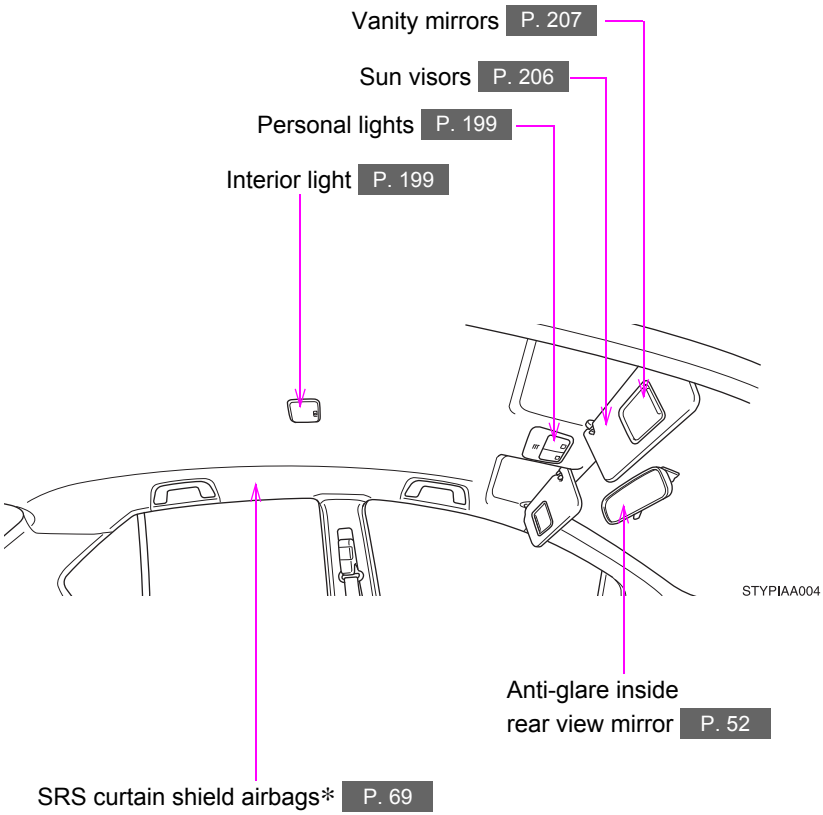

Fuel filler door P. 58
Rear window defogger* P. 170
Doors P. 28
Trunk P. 33
Tires
Rotation P. 246
Replacement P. 307
Inflation pressure P. 252
Information P. 346
License plate lights P. 130
Stop/tail and rear side marker lights P. 130
Rear turn signal lights P. 117

*: If equipped

Interior

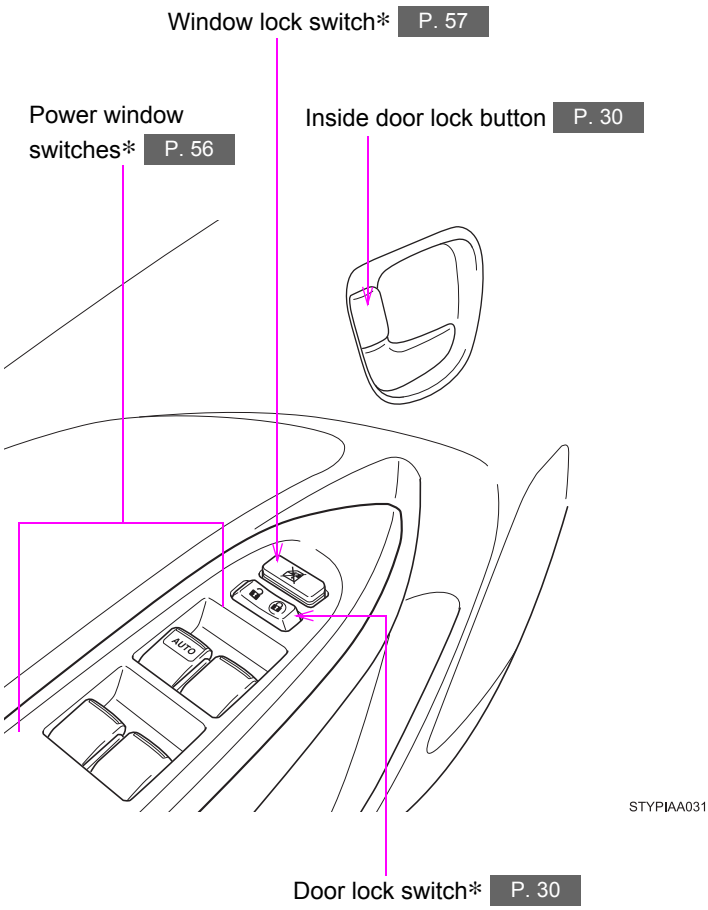

Head restraints P. 41
Seat belts P. 44
Horn P. 120
SRS driver airbag P. 69
Power window switches* P. 56
Shift lever P. 114, 116
Security indicator P. 62, 64
A
Cup holders* P. 203
SRS front passenger air-bag P. 69
B
C
STYPIAA029
Armrest* P. 212
Rear seats P. 38
Floor mats P. 213
SRS side airbags* P. 69
Front seats P. 37

A

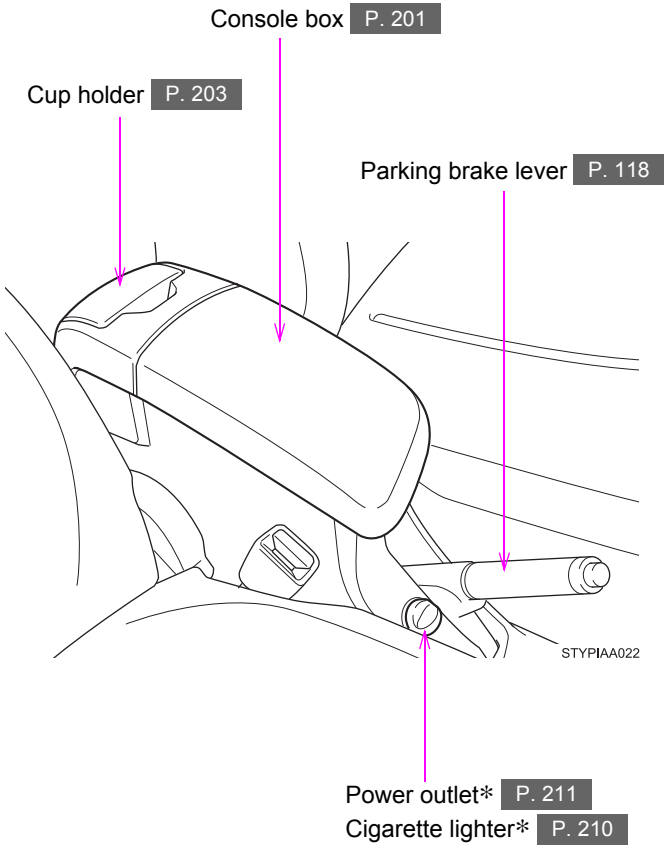


*: If equipped

B

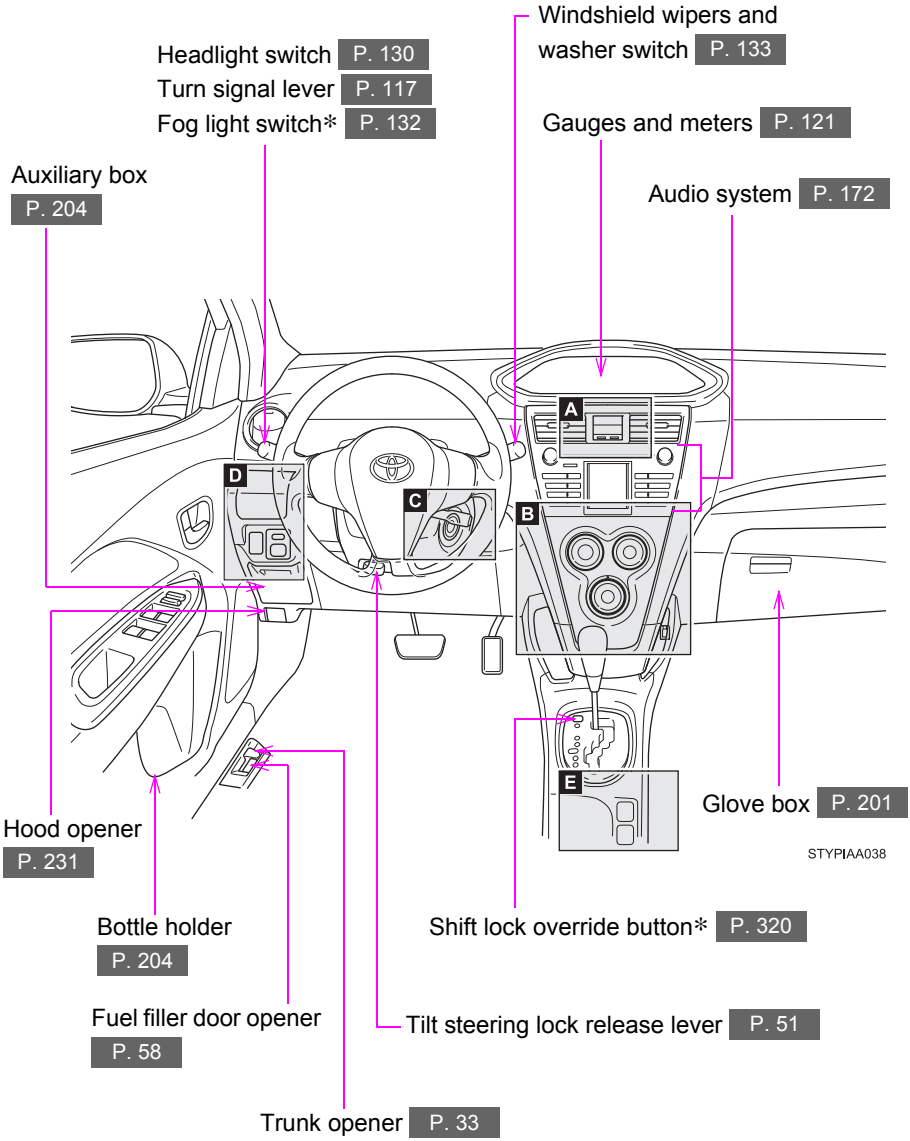

Window lock switch* P. 57
Power window switches* P. 56
Inside door lock button P. 30
AUTO
STYPIAA031
Door lock switch* P. 30

C

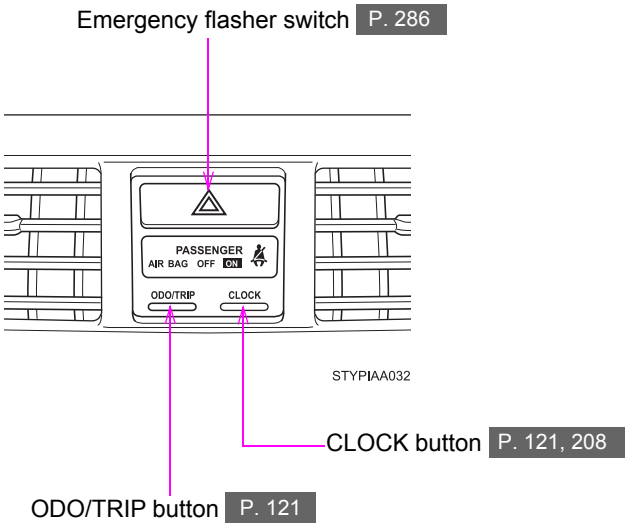


*: If equipped

Instrument panel



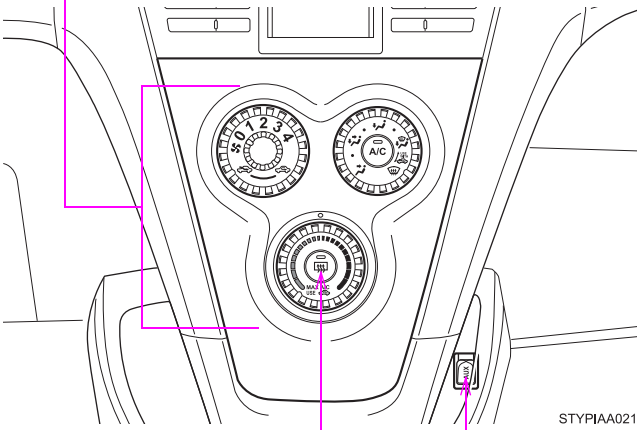
A



*: If equipped

B

Air conditioning system P. 164

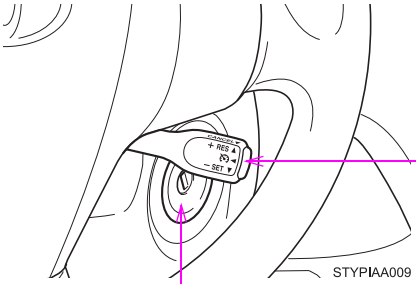


AUX adapter* P. 196

Rear window defogger switch*/
Rear window defogger and outside rear view mirror defogger switch* P. 170

C

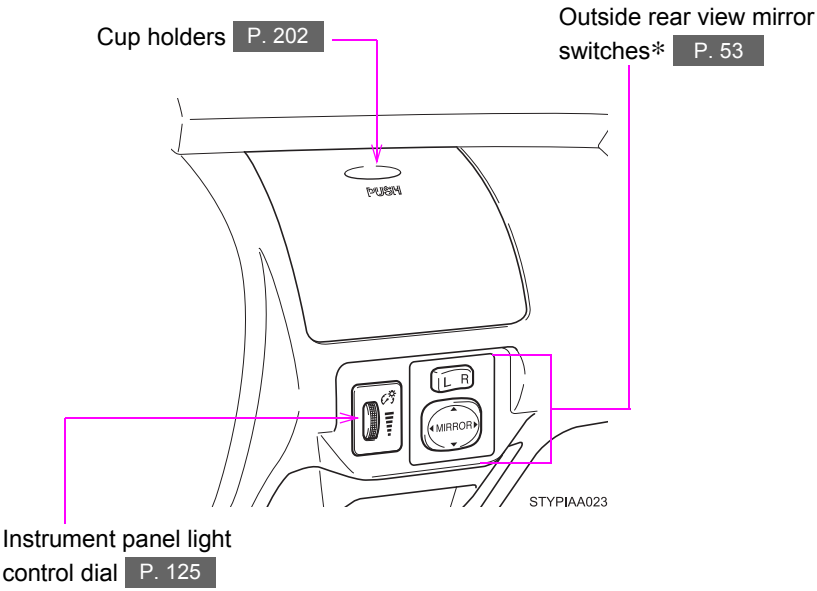
Cruise control switch* P. 136



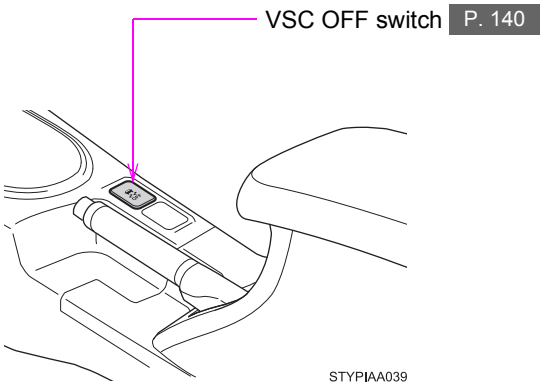
Engine (ignition) switch P. 110

*: If equipped

D


Cup holders P. 202
Outside rear view mirror switches* P. 53
PUSH
L R
MIRROR
STYPIAA023
Instrument panel light control dial P. 125

E



*: If equipped

For your information

Main Owners Manual

Please note that this manual applies to all models explains 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.

Noise from under vehicle after turning off the engine

Approximately five hours after the engine is turned off, you may hear sound coming from under the vehicle for several minutes. This is the sound of a fuel evaporation leakage check and, it does not indicate a malfunction.

Accessories, spare parts and modification of your Toyota

A wide variety of non-genuine spare parts and accessories for Toyota vehicles are currently available in the market. You should know that Toyota does not warrant these products and is not responsible for their performance, repair, or replacement, or for any damage they may cause to, or adverse effect they may have on, your Toyota vehicle.

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

Installation of a mobile two-way radio system

As the installation of a mobile two-way radio system in your vehicle could affect electronic systems such as the multiport fuel injection system/sequential multiport fuel injection system, cruise control system, anti-lock brake system, SRS airbag system and seat belt pretensioner system, be sure to check with your Toyota dealer for precautionary measures or special instructions regarding installation.

Scrapping your Toyota

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

Perchlorate Material

Special handling may apply,
See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Your vehicle has components that may contain perchlorate. These components may include airbag, seat belt pretensioners, and wireless remote control batteries.

⚠ CAUTION

n 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.

n 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.

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.

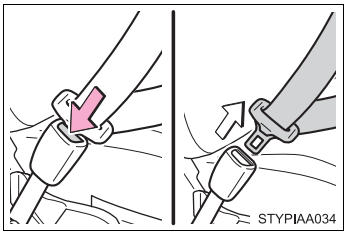
NOTICE

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”.



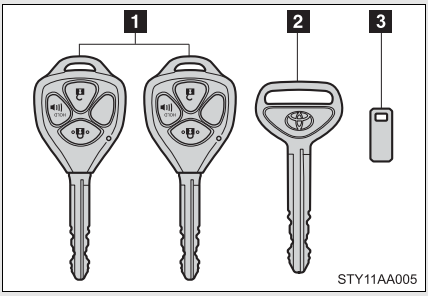
Arrows indicating operations

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

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

The following keys are provided with the vehicle.

▶ Vehicles without engine immobilizer system (type A)



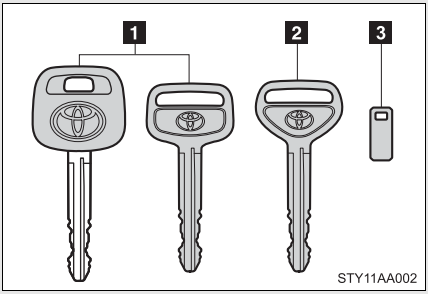
1 Master keys (with wireless remote control function)

Operating the wireless remote control function (→P. 26)

2 Valet key

3 Key number plate

▶ Vehicles without engine immobilizer system (type B)

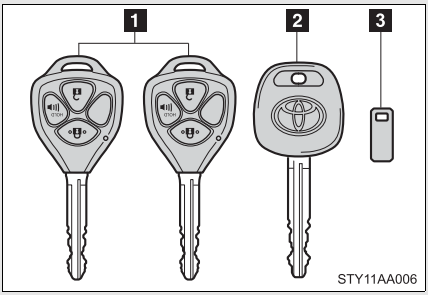


1 Master keys

2 Valet key

3 Key number plate

▶ Vehicles with engine immobilizer system (type A)



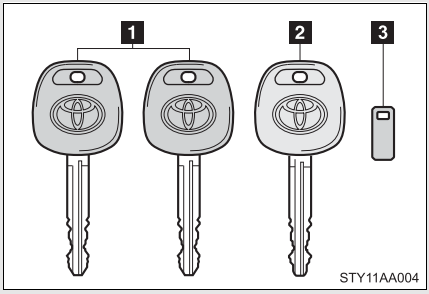
1 Master keys (with wireless remote control function)

Operating the wireless remote control function (→P. 26)

2 Valet key

3 Key number plate

▶ Vehicles with engine immobilizer system (type B)



1 Master keys
2 Valet key
3 Key number plate

n **When required to leave a key to the vehicle with a parking attendant**

Turn the luggage security system on. (→P. 34)
Carry the master key for your own use and leave the valet key only with the attendant.

n **Key number plate**

Keep the plate in a safe place such as your wallet, not in the vehicle. In the event that a key is lost, a new key can be made by your Toyota dealer using the key number plate. (→P. 321)

n **When riding in an aircraft**

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

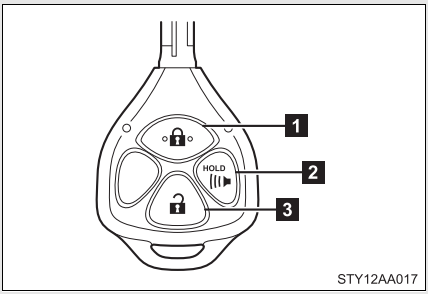
⚠ NOTICE

n **To prevent key damage (vehicles with engine immobilizer system)**

- 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.

Wireless remote control*

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



1 Locks all doors

2 Sounds alarm (push and hold)

3 Unlocks all doors

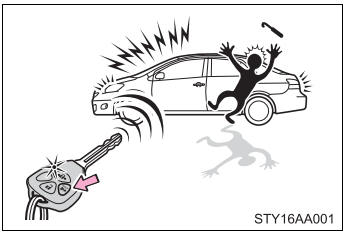
Pressing the button unlocks the driver's door. Pressing the button again within 3 seconds unlocks the other doors.

---

n **Operation signals**

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

n **Panic mode**



When HOLD is pushed for longer than about 1 second, an alarm will sound for about 60 seconds and the vehicle lights will flash to deter any person from trying to break into or damage your vehicle.

To stop the alarm, push any button on the wireless remote control.

n **Key battery depletion**

The standard battery life is 1 to 2 years. (The battery becomes depleted even if the key is not used.) If the wireless remote control function does not operate, the battery may be depleted. Replace the battery when necessary. (→P. 261)

n **Security feature**

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

*: If equipped

Conditions affecting operation

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

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

Customization that can be configured at Toyota dealer

- Settings (e.g. wireless remote control system) can be changed. (Customizable features →P. 359)

Certification for wireless remote control

▶ For vehicles sold in U.S.A.

FCC ID:MOZB41TG
FCC ID:MOZB21RG

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

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

▶ For vehicles sold in Canada

NOTE:
This device complies with RSS-210 of Industry Canada.
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

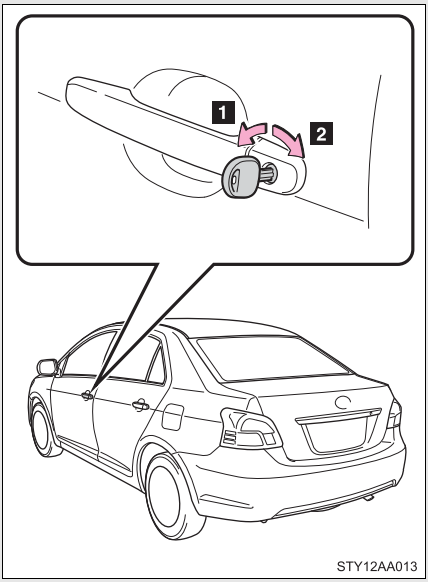
The vehicle can be locked/unlocked using the wireless remote control, key or door lock switch.

n **Wireless remote control (if equipped)**

→P. 26

n **Key**

▶Vehicles with power door lock

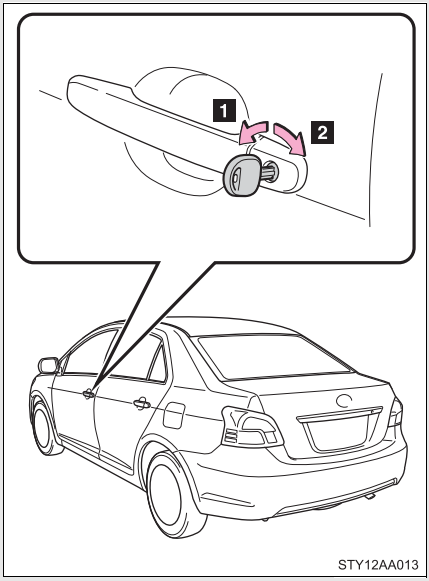


1 Locks all doors

2 Unlocks all doors

Turning the key a single time in the driver's door unlocks the driver's door, and turning the key again unlocks the other doors.

▶Vehicles without power door lock

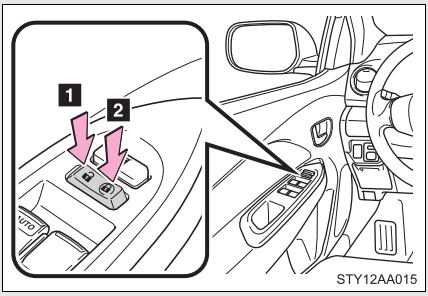


1 Locks the door

2 Unlocks the door

n Door lock switch (if equipped)

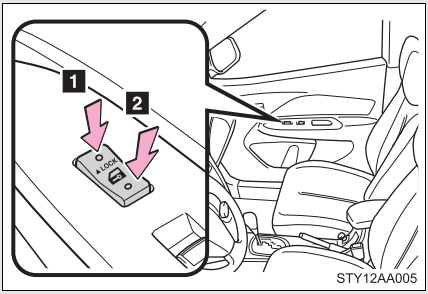
▶Driver's door lock switch



1 Unlocks all doors

2 Locks all doors

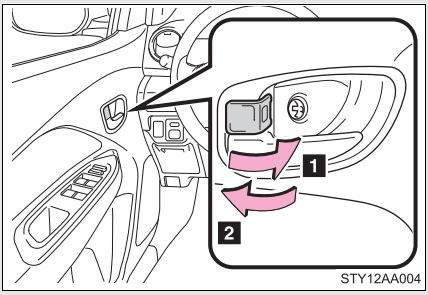
▶Passenger's door lock switch



1 Locks all doors

2 Unlocks all doors

n Inside door lock button



1 Locks the door

2 Unlocks the door

Pulling the inside handle can open the front door even if the lock button is in the lock position.

Locking the front doors from the outside without a key

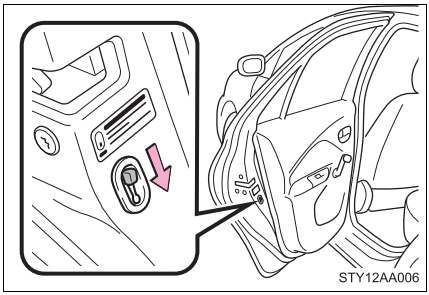
STEP 1 Move the inside door lock button to the lock position.

STEP 2 Close the door.

▶ Vehicles with power door lock

The door cannot be locked if the driver's door is open and 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.

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

---

n **Key reminder buzzer**

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

n **Customization that can be configured at Toyota dealer**

Settings (e.g. unlocking function using a key) can be changed. (Customizable features →P. 359)

CAUTION

n **To prevent an accident**

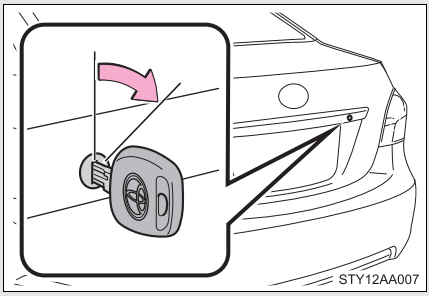
Observe the following precautions while driving the vehicle.
Failing to do so may result in a door opening and an occupant falling out, resulting in death or serious injury.

- Always use a seat belt.
- Always lock all doors.
- Ensure that all doors are properly closed.
- Do not pull the inside handle of the doors while driving.
  The doors may be opened and the passengers are thrown out of the vehicle and it may result in serious injury or death.
  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

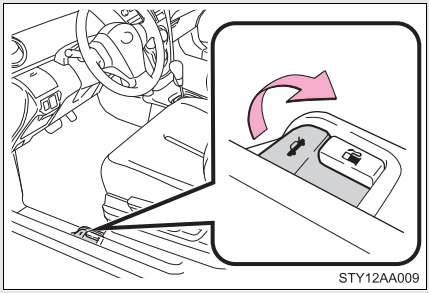
The trunk can be opened using the key or trunk opener.

n Key



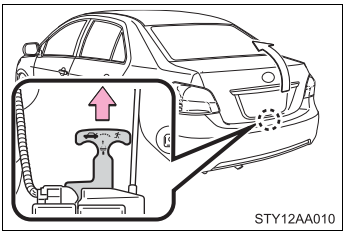
Turn the master key clockwise to release the trunk lid.

n Trunk opener



Release the trunk lid.

n Internal trunk release lever

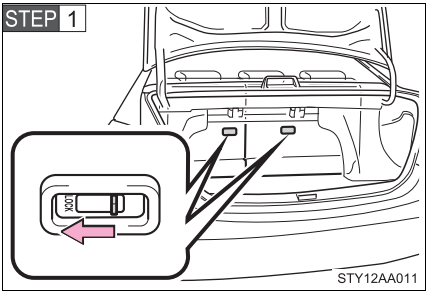


The trunk lid can be opened by pulling up on the glow-in-the-dark lever located on the inside of trunk lid.

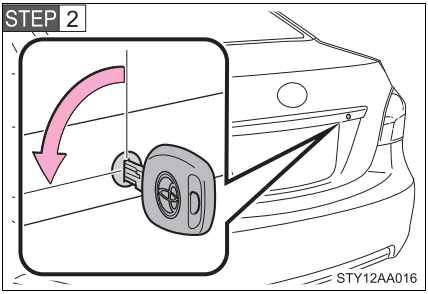
The lever will continue to glow for some time after the trunk lid is closed.

Luggage security system

To protect luggage stored in the trunk against theft, do the following procedures.



Vehicles with split rear seats: Move the security lock levers to lock the rear seatbacks.



Turn the master key counter-clockwise to lock the trunk opener feature.

CAUTION

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

When children are in the vehicle

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

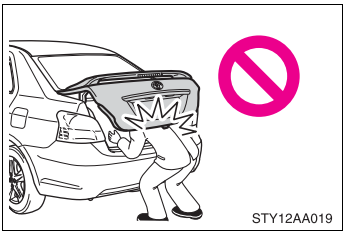
- Do not allow children to enter the trunk.
  If a child is accidentally locked in the trunk, they could have heat exhaustion or suffocate.
- Do not allow a child to open or close the trunk lid.
  Doing so may cause the trunk lid to operate unexpectedly, or cause the child's hands, head, or neck to be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

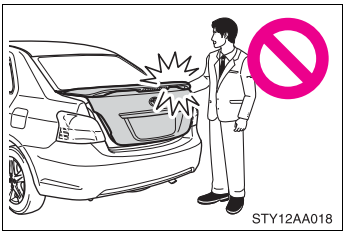
CAUTION

n Using the trunk

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

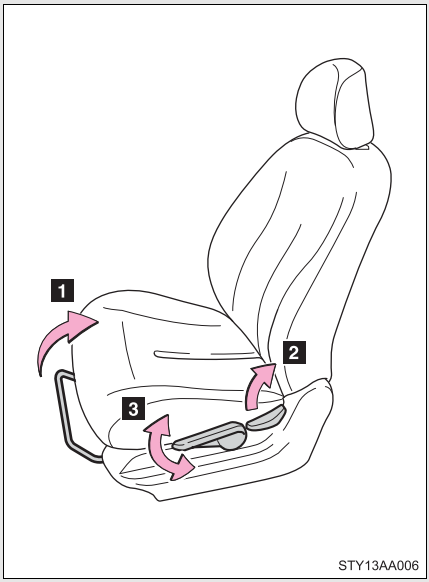
- Remove any heavy loads, such as snow and ice, from the trunk lid before opening it. Failure to do so may cause the trunk lid to fall closed again after it is opened.
- When opening or closing the trunk lid, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, 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.





- The trunk lid may fall 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 fall closed again after it is opened.

Front seats



1 Seat position adjustment lever

2 Seatback angle adjustment lever

3 Vertical height adjustment lever (driver's side only)

CAUTION

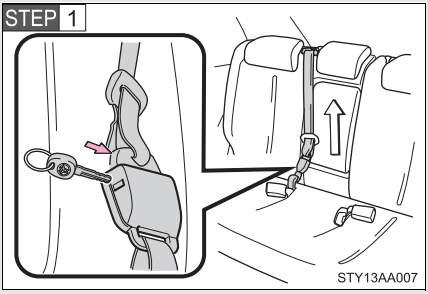
n **Seat adjustment**

l Do not recline the seat more than necessary when the vehicle is in motion to reduce the risk of sliding under the lap belt.
If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.

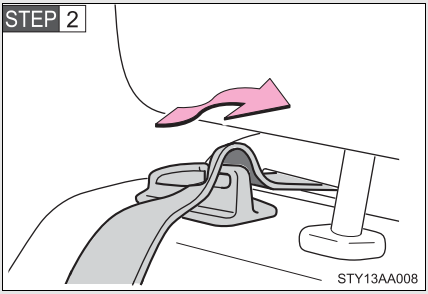
l After adjusting the seat, make sure that the seat is locked in position.

Rear seats (split rear seats only)

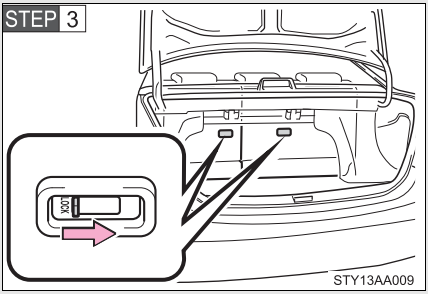
The seatbacks of the rear seats can be folded down.



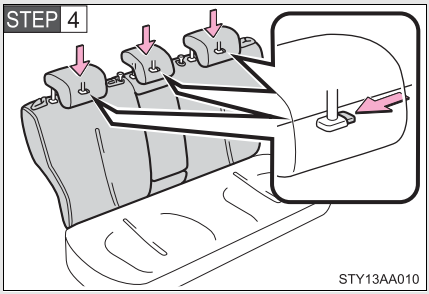
Insert the key into the hole on the center seat belt buckle to release tab (with hooked end), and allow the belt to retract.



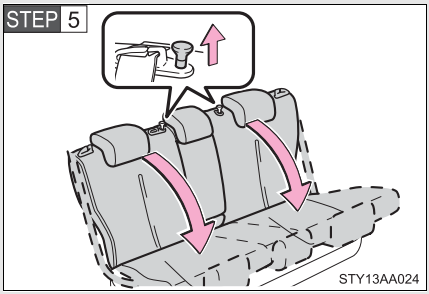
Remove the seat belts from the seat belt guides.



Check that the security lock levers in the trunk are in unlock position.

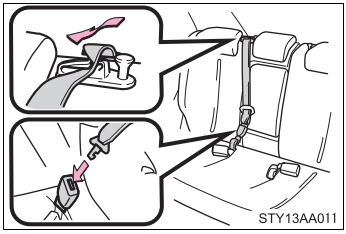


Lower each head restraints while pushing the lock release button.



Fold the seatbacks down while pulling the seatback lock release knobs.

n Returning rear seatbacks



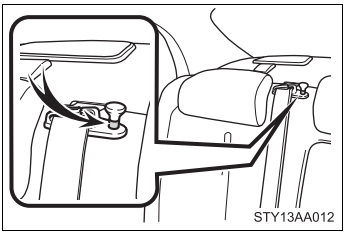
Tilt the rear seatback up until it locks, making sure that you hold the seat belt to prevent it from getting caught between the seatback and the inner side of the vehicle.

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

CAUTION

n **After returning the seatback to the upright position**

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



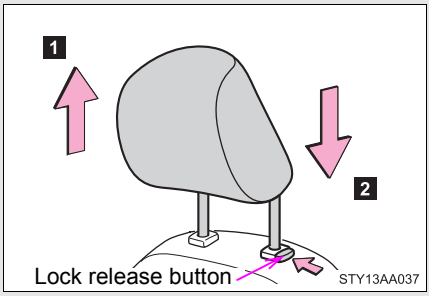
l Make sure that the seatback is securely locked in position by lightly rocking it back and forth.
If the seatback is not securely locked, the red marking will be visible on the seatback lock release knob. Make sure that the red marking is not visible.

l Check that the seat belts are not twisted or caught under the seat.

Head restraints

Head restraints are provided for all seats.

▶Front seats



Vertical adjustment

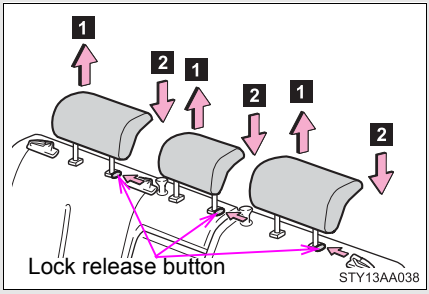
1 Up

Pull the head restraints up.

2 Down

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

▶Rear seats



Vertical adjustment

1 Up

Pull the head restraints up.

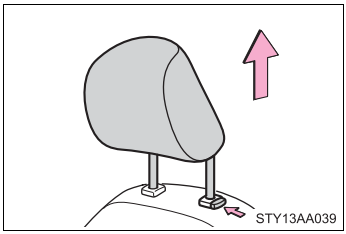
2 Down

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

---

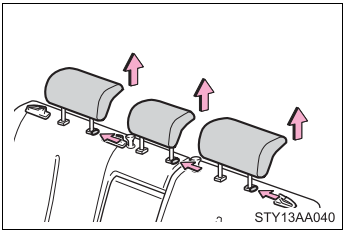
n **Removing the head restraints**

▶Front seats



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

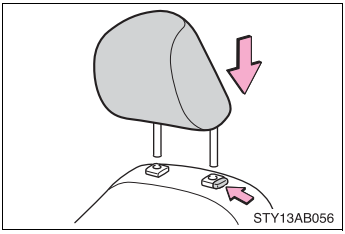
▶ Rear seats



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

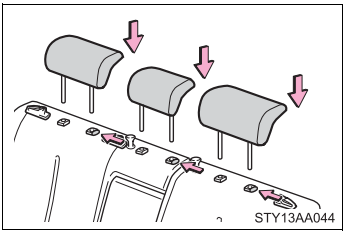
n Installing the head restraints

▶ Front seats



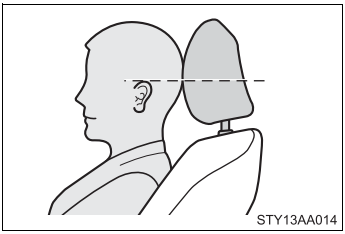
Align the head restraint with the installation holes and push it down to the lock position.
Press and hold the lock release button when lowering the head restraint.

▶ Rear seats



Align the head restraint with the installation holes and push it down to the lock position.
Press and hold the lock release button when lowering the head restraint.

n 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 restraints

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

CAUTION

Head restraint precautions

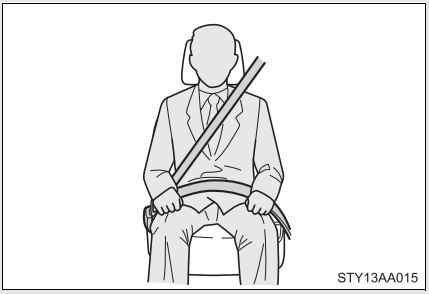
Observe the following precautions regarding the head restraints. Failure to do so may result in death or serious injury.

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

Seat belts

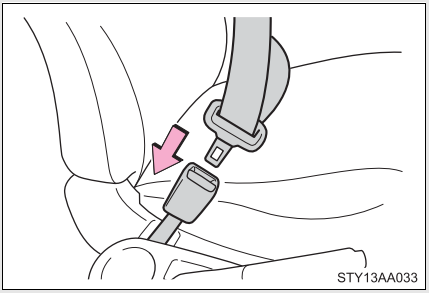
Make sure that all occupants are wearing their seat belts before driving the vehicle.

n Correct use of the seat belts



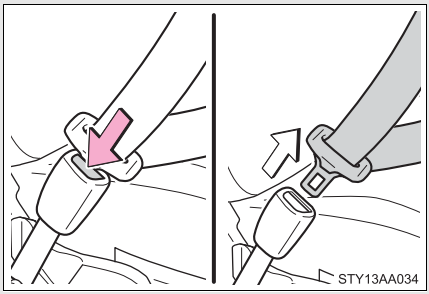
- Extend the shoulder belt so that it comes fully over the shoulder, but does not come into contact with the neck or slide off the shoulder.
- Position the lap belt as low as possible over the hips.
- Adjust the position of the seatback. Sit up straight and well back in the seat.
- Do not twist the seat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

n Fastening and releasing the seat belt



Fastening the belt

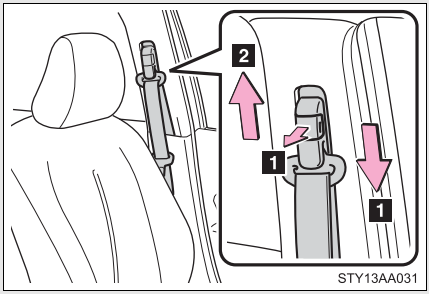
Push the tab into the buckle until a clicking sound is heard.



Releasing the belt

Press the release button.

n Adjusting the height of the belt (front seats)



1 Down

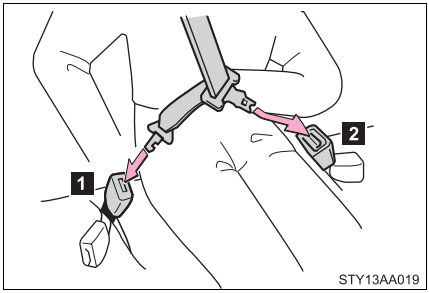
Pull the lock release knob and slide the height adjuster down.

2 Up

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

Rear center seat belt

The rear center seat belt is a 3-point type restraint with 2 buckles. Both seat belt buckles must be correctly located and securely latched for proper operation.



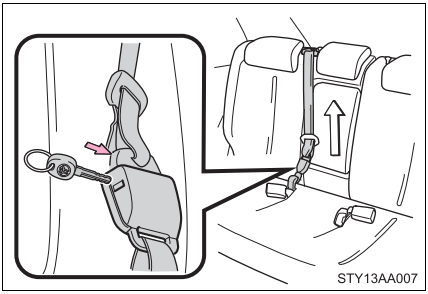
Make sure that the buckle 1 is securely latched for ready use of the center seat belt.

1 Matches the tab with the hooked end

2 Matches the tab with the concave end

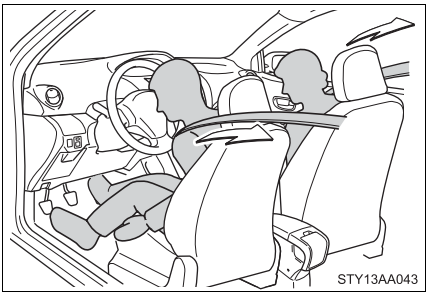
n Release method

The belt can be completely released when not required, such as when folding down the rear seat.



To release the hooked end tab, insert the vehicle's key into the hole on the buckle.

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.

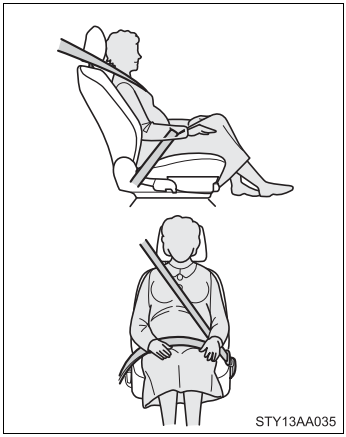
n Emergency locking retractor (ELR)

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.

n Automatic locking retractor (ALR)

When a passenger's shoulder belt is completely extended and then retracted even slightly, the belt is locked in that position and cannot be extended. This feature is used to hold the child restraint system (CRS) firmly. To free the belt again, fully retract the belt and then pull the belt out once more. (→P. 90)

n Pregnant women



Obtain medical advice and wear the seat belt in the proper way. (→P. 44)

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.

n People suffering illness

Obtain medical advice and wear the seat belt in the proper way.

n Child seat belt usage

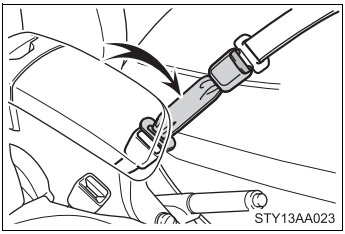
The seat belts of your vehicle were principally designed for persons of adult size.

- Use a child restraint system appropriate for the child, until the child become large enough to properly wear the vehicle's seat belt. (→P. 86)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions on P. 44 regarding seat belt usage.

n 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.

n Seat belt extender



If your seat belts cannot be fastened securely because they are not long enough, a personalized seat belt extender is available from your Toyota dealer free of charge.

CAUTION

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

n 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.

CAUTION

n Wearing a seat belt

- Do not wear the shoulder belt under your arm.
- Always wear your seat belt low and snug across your hips.

n 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 emergency braking, sudden swerving or an accident. (→P. 45)

n 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 your Toyota dealer.

n Seat belt damage and wear

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

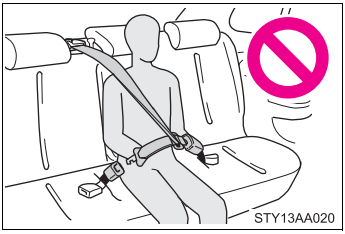
CAUTION

Child restraint lock function belt precaution

Do not allow children to play with the child restraint lock function belt. If the belt becomes twisted around a child's neck, it will not be possible to pull the belt out leading 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 using the rear center seat belt



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.

Using a seat belt extender

- Do not wear the seat belt extender, if you can fasten the seat belt without the extender.
- Do not use the seat belt extender when installing a child restraint system, because the belt will not securely hold the child restraint system, increasing the risk of death or serious injury in the event of an accident.
- The personalized extender may not be safe on another vehicle, when used by another person, or at a different seating position other than the one originally intended.

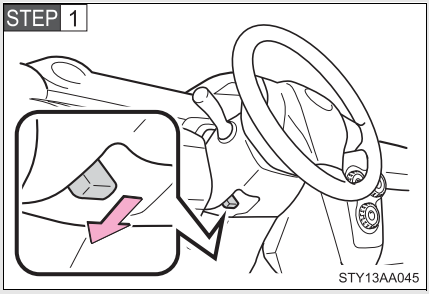
NOTICE

When using a seat belt extender

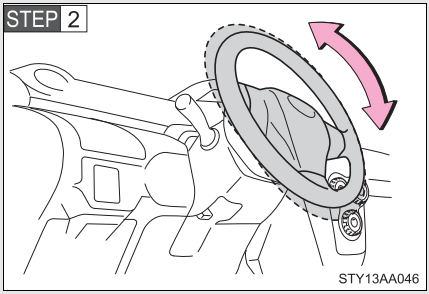
When releasing the seat belt, press on the buckle release button on the extender, not on the seat belt.
This helps prevent damage to the vehicle interior and the extender itself.

Steering wheel

The steering wheel can be adjusted to a comfortable position.



Hold the steering wheel and press the lever down.



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

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

CAUTION

n **Caution while driving**

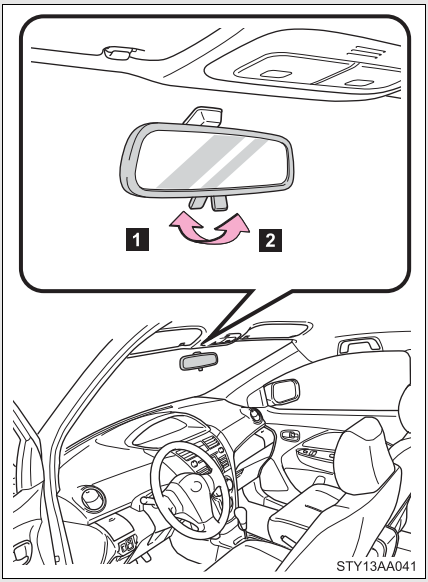
Do not adjust the steering wheel while driving.
Doing so may cause the driver to mishandle the vehicle and an accident may occur resulting in death or serious injury.

n **After adjusting the steering wheel**

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

Anti-glare inside rear view mirror

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



1 Normal position

2 Anti-glare position

CAUTION

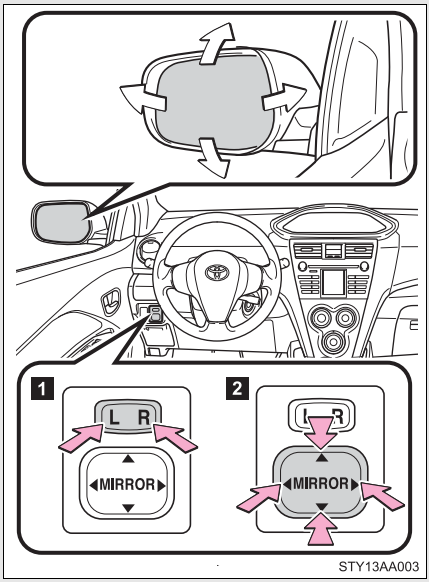
n **Caution while driving**

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

Outside rear view mirrors

Mirror angle can be adjusted using the switch or lever.

▶Power-adjustable type

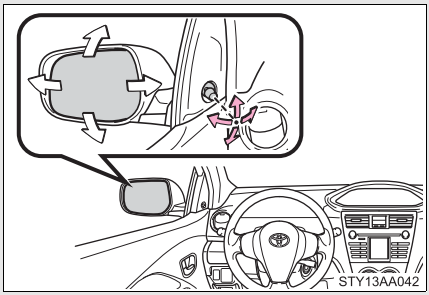


1 Select a mirror to adjust.

(L: left or R: right)

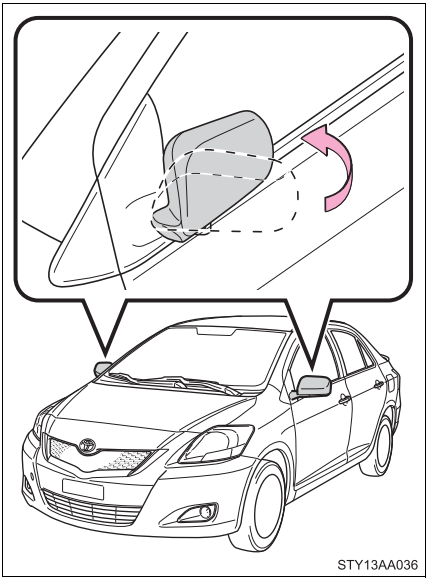
2 Adjust the mirror up, down, in or out using the switch.

▶Manually adjustable type



Adjust the mirror up, down, in or out using the lever.

Folding back the mirrors



Push backward to fold the mirrors.

n **Mirror operating conditions (with power-adjustable type only)**

The engine switch is in the ACC or ON position.

CAUTION

n **When driving the vehicle**

Observe the following precautions while driving.
Failing to do so may result in loss of control of the vehicle and cause an accident, resulting in death or serious injury.

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

NOTICE

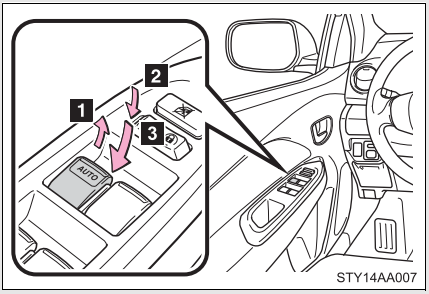
n **If ice should jam the mirror**

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/closed using the following switches.

▶Driver's power window switches



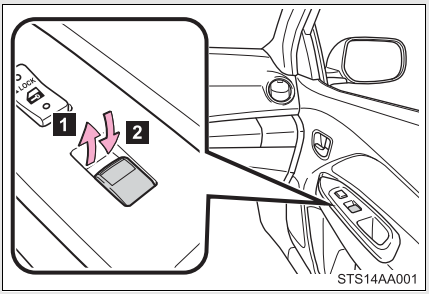
1 Closing

2 Opening

3 One-touch opening (driver's window only)*

*:Pressing the switch in the opposite direction will stop window travel partway.

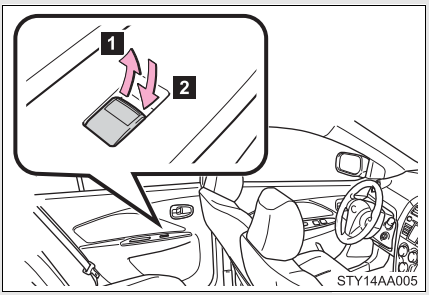
▶Front passenger's power window switch



1 Closing

2 Opening

▶Rear passenger's power window switch

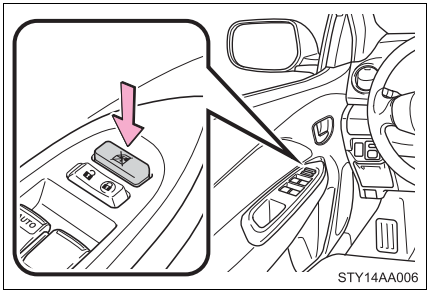


1 Closing

2 Opening

*: If equipped

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.

n **The power windows can be operated when**

The engine switch is in the ON position.

n **Operating the power windows after turning the engine switch off (driver's window only)**

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

CAUTION

n **Closing the windows**

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

l 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.

l 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.

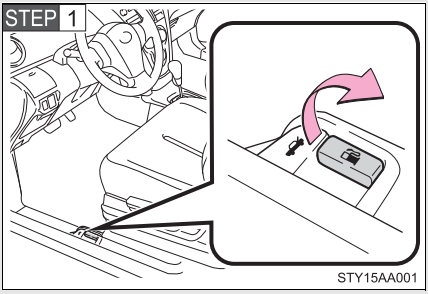
Opening the fuel tank cap

Perform the following steps to open the fuel tank cap.

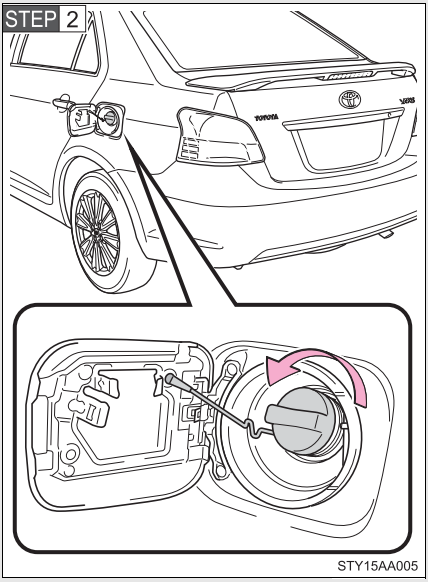
n **Before refueling the vehicle**

Turn the engine switch off and ensure that all the doors and windows are closed.

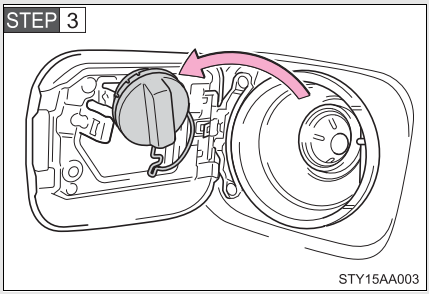
n **Opening the fuel tank cap**



Open the fuel filler door.

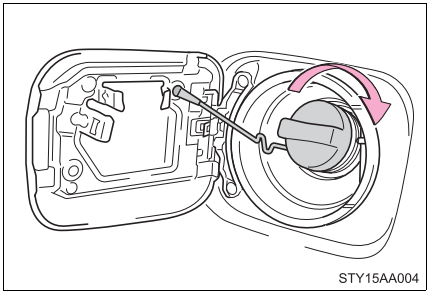


Turn the fuel tank cap slowly to open.



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.

---

n **Fuel types**

Unleaded gasoline. (Octane Rating 87 [Research Octane Number 91] or higher)

n **Fuel tank capacity**

Approximately 11.1 gal. (42.0 L, 9.2 Imp. gal.)

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.

When replacing the fuel tank cap

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

NOTICE

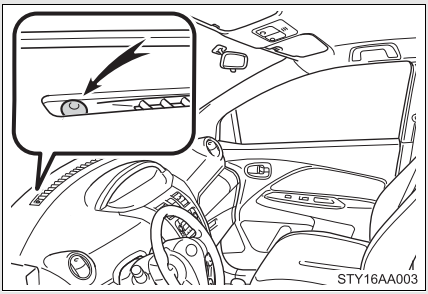
n **Refueling**

Do not spill fuel during refueling.
Doing 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.

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.



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.

---

n System maintenance

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

n 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

*: If equipped

n Certifications for the engine immobilizer system

▶For vehicles sold in U.S.A.

FCC ID: MOZRI-20BTY

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

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

▶For vehicles sold in Canada

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

⚠ NOTICE

n 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.

Alarm (Puerto Rico)

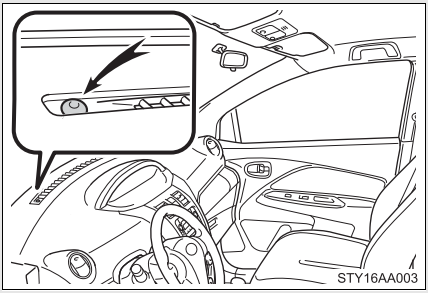
The system sounds the alarm and flashes lights when forcible entry is detected.

n Triggering of the alarm

The alarm is triggered in the following situations.

- A locked door or trunk is unlocked or opened in any way other than using the key (vehicles without wireless remote control) or wireless remote control door lock function (vehicles with wireless remote control). (The doors will lock again automatically.)
- The hood is opened while the vehicle is locked.
- The battery is reconnected.

n Setting the alarm system



Close the doors, trunk and hood, and lock all doors using the key (vehicles without wireless remote control) or wireless remote control door lock function (vehicles with wireless remote control). The system will be set automatically after 30 seconds.

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

n Deactivating or stopping the alarm

- Unlock the doors or trunk using the key (vehicles without wireless remote control) or wireless remote control door lock function (vehicles with wireless remote control).
- Turn the engine switch to the ACC or ON position or start the engine. (The alarm will be deactivated or stopped after a few seconds.)

System maintenance

The vehicle has a maintenance-free type alarm system.

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 are 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 system.)

- A person inside the vehicle opens a door, the trunk or hood.
- The battery is recharged or replaced when the vehicle is locked.

When the battery is disconnected

Be sure to deactivate the alarm system.
If the battery is discharged before deactivating the alarm system, the alarm may be triggered when the battery is reconnected.

⚠ 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.

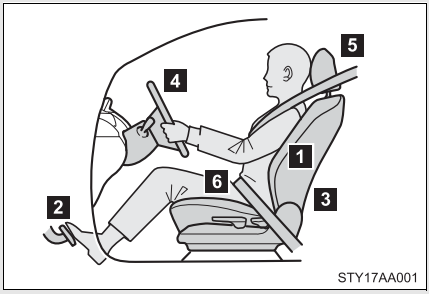
Theft prevention labels (except Canada)

STY16AA002

These labels are attached to the vehicle to reduce vehicle theft by facilitating the tracing and recovery of parts from stolen vehicles. Do not remove under penalty of law.

Correct driving posture

Drive in a good posture as follows:



1. Sit upright and well back in the seat. (→P. 37)
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. 37)
3. Adjust the seatback so that the controls are easily operable.
4. Adjust the tilt positions of the steering wheel downward so the airbag is facing your chest. (→P. 51)
5. Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 41)
6. Wear the seat belt correctly. (→P. 44)

CAUTION

While driving

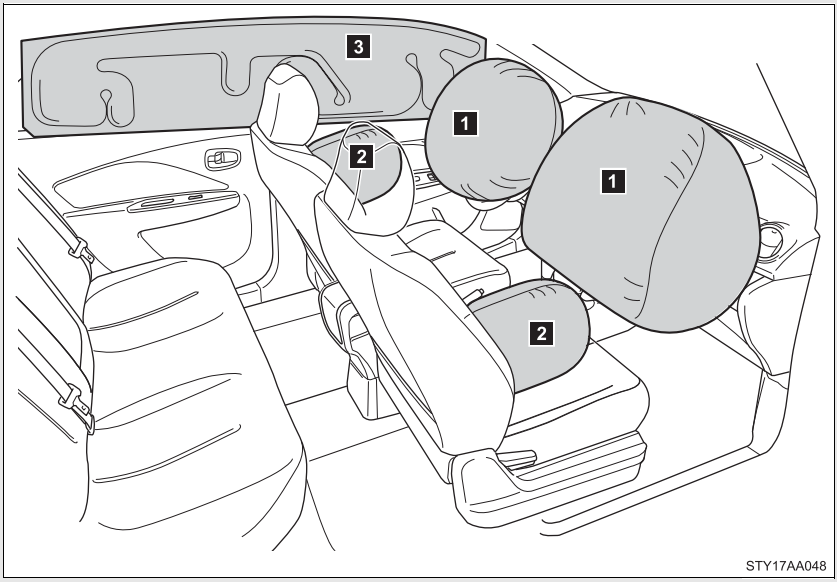
- Do not adjust the position of the driver's seat while driving.
  Doing so could cause the driver to lose control of the vehicle.
- Do not place a cushion between the driver or passenger and the seatback.
  A cushion may prevent correct posture from being achieved, and reduce the effectiveness of the seat belt and head restraint, increasing the risk of death or serious injury to the driver or passenger.
- Do not place anything under the front seats.
  Objects placed under the front seats may become jammed in the seat tracks and stop the seat from locking in place. This may lead to an accident. The adjustment mechanism may also be damaged.

Adjusting the seat position

- Take care when adjusting the seat position to ensure that other passengers are not injured by the moving seat.
- Do not put your hands under the seat or near the moving parts to avoid injury.
  Fingers or hands may become jammed in the seat mechanism.

SRS airbags

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



▶Front airbags

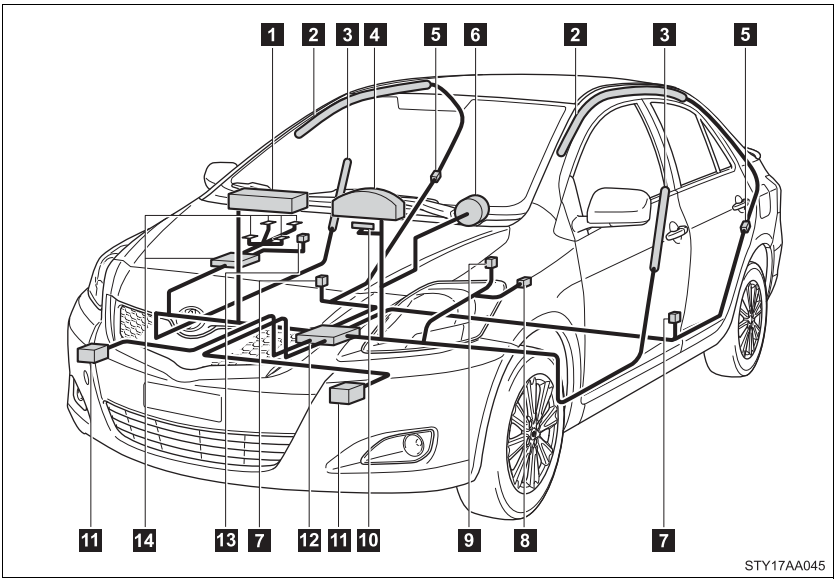
1 Driver airbag/front passenger airbag
Can help protect the head and chest of the driver and front passenger from impact with interior components.

▶Side and curtain shield airbags

2 Side airbags (if equipped)
Can help protect the torso of the front seat occupants.

3 Curtain shield airbags (if equipped)
Can help protect primarily the head of outside occupants.

Airbag system components



1 Front passenger airbag
2 Curtain shield airbags (if equipped)
3 Side airbags (if equipped)
4 SRS warning light
5 Curtain shield airbag sensors (if equipped)
6 Driver airbag
7 Side and curtain shield airbag sensors (if equipped)
8 Driver's seat position sensor
9 Driver's seat belt buckle switch
10 AIR BAG ON and AIR BAG OFF indicator lights
11 Front airbag sensors
12 Airbag sensor assembly
13 Front passenger's seat belt buckle switch
14 Occupant detection system (ECU and sensors)

Your vehicle is equipped with ADVANCED AIRBAGS designed based on US motor vehicle safety standards (FMVSS208). The airbag system controls airbag deployment power for the driver and front passenger. The driver airbag system consists of the driver seat's position sensor etc. The front passenger's airbag system consists of the front passenger occupant classification sensor etc.

The main SRS airbag system components are shown above. The SRS airbag system is controlled by the airbag sensor assembly. The airbag sensor assembly consists of a safing sensor and an airbag sensor.

In certain types of severe frontal or side impacts, the SRS airbag system triggers the airbag inflators. A chemical reaction in the inflators quickly fills the airbags with non-toxic gas to help restrain the motion of the occupants.

---

n **SRS warning light**

This warning light system monitors the airbag sensor assembly, front airbag sensors, side and curtain shield airbag sensors, curtain shield airbag sensors, driver's seat position sensor, driver's seat belt buckle switch, front passenger occupant classification system, AIR BAG ON indicator light, AIR BAG OFF indicator light, front passenger's seat belt buckle switch, seat belt pretensioner assemblies, inflators, interconnecting wiring and power sources. (→P. 298)

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

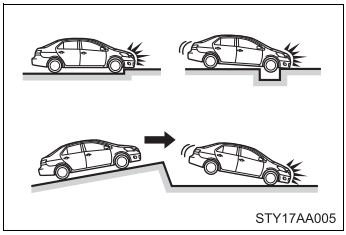
- Bruising and slight abrasions may result from contact with a deploying (inflating) SRS airbag.
- A loud noise and white powder will be emitted.
- Vehicles with side and curtain shield airbags: Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, and parts of the front and rear pillars and roof side rail, may be hot for several minutes. The airbag itself may also be hot.
- Vehicles without side and curtain shield airbags: Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats may be hot for several minutes. The airbag itself may also be hot.

- **If the SRS airbags deploy (inflate)**
  - The front 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 12-18 mph [20-30 km/h] 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.).
  - It is possible that in some collisions where the forward deceleration of the vehicle is very close to the designed threshold level, the SRS front airbags and the seat belt pretensioners may not activate together.
  - The SRS front passenger airbag will not activate if there is no passenger sitting in the front passenger seat. However, the front passenger airbag may deploy if luggage is put in the seat, even if the seat is unoccupied. (→P. 81)
- **Operating conditions (side airbags and curtain shield airbags [if equipped])**
  - The SRS side airbag & SRS curtain shield airbag 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 3307 lb. [1500 kg] vehicle colliding with the vehicle cabin from a direction perpendicular to the vehicle orientation at an approximately speed of 12-18 mph [20-30 km/h]).
  - The SRS side airbag on the passenger seat will not activate if there is no passenger sitting in the front passenger seat. However, the side airbag on the passenger seat may deploy if luggage is put in the seat, even if the seat is unoccupied. (→P. 81)

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

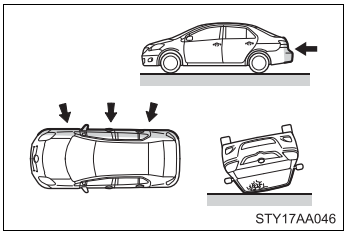
The SRS front airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.


STY17AA005

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

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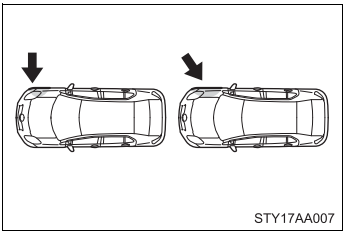
- Collision from the side
- Collision from the rear
- Vehicle rollover

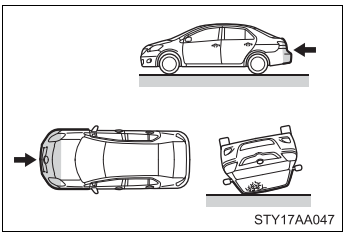
n Types of collisions that may not deploy the SRS airbag (side airbags and curtain shield airbags [if equipped])

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



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

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

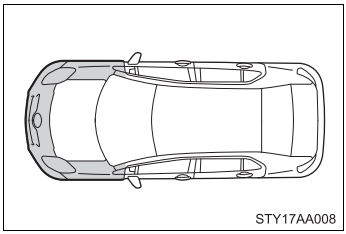


- Collision from the front
- Collision from the rear
- Vehicle rollover

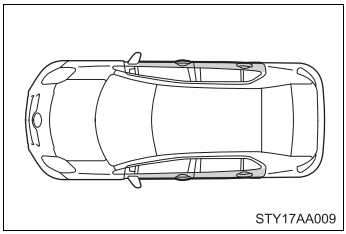
n When to contact your Toyota dealer

In the following cases, contact your Toyota dealer as soon as possible.

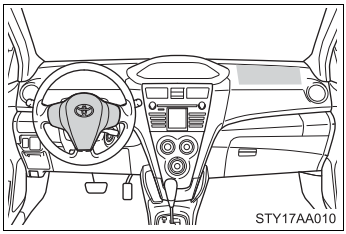
- Any of the SRS airbags have been inflated.



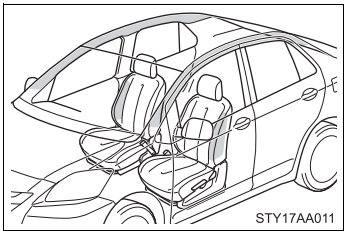
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS airbags to inflate.



- Vehicles with side airbags and curtain shield airbags: A portion of a door is damaged or deformed, or the vehicle was involved in an accident that was not severe enough to cause the SRS side airbags and curtain shield airbags to inflate.



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



- Vehicles with side airbags and curtain shield airbags: The surface of the seats with the side airbag is scratched, cracked or otherwise damaged.
- Vehicles with side airbags and curtain shield airbags: The portion of the front pillars, rear pillars or roof side rail garnishes (padding) containing the curtain shield airbags inside is scratched, cracked or otherwise damaged.

CAUTION

n **SRS airbag precautions**

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

l 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.

l 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. The National Highway Traffic Safety Administration (“NHTSA”) advises:

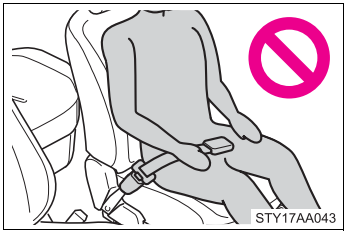
Since the risk zone for driver airbag is the first 2 - 3 in. (50 - 75 mm) of inflation, placing yourself 10 in. (250 mm) from your driver airbag provides you with a clear margin of safety. This distance is measured from the center of the steering wheel to your breastbone. If you sit less than 10 in. (250 mm) 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 10 in. (250 mm) 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 by NHTSA above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.

CAUTION

n **SRS airbag precautions**



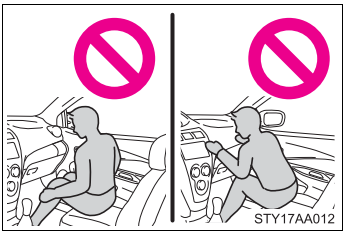
l If the seat belt extender has been connected to the driver's seat belt buckle but the seat belt extender has not also been fastened to the latch plate of the driver's seat belt, the SRS driver's airbag system will judge that the driver is wearing the seat belt even though the seat belt has not been connected. In this case, the driver's airbag may not activate correctly in a collision, resulting in death or serious injury in the event of collision. Be sure to wear the seat belt with the seat belt extender.

l 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.

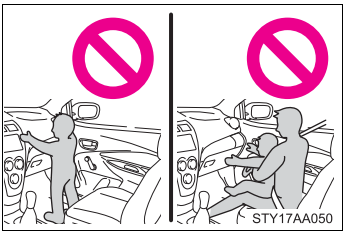
l Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. Toyota strongly recommends that all infants and children be placed in the rear seats of the vehicle and properly restrained. The rear seats are the safest for infants and children. (→P. 86)

CAUTION

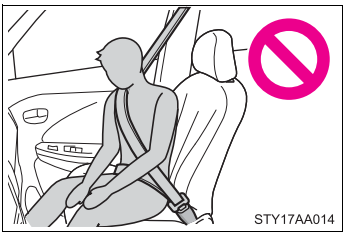
SRS airbag precautions



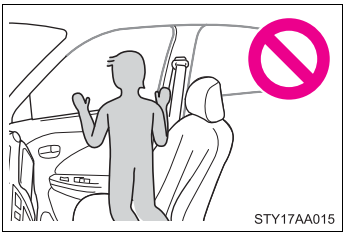
- Do not sit on the edge of the seat or lean against the dashboard.



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



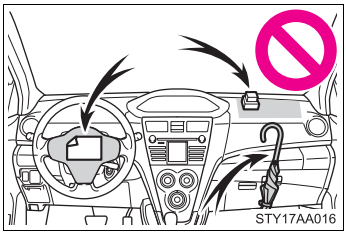
- Vehicles with side airbags and curtain shield airbags: Do not lean against the door, the roof side rail or the front, side and rear pillars.



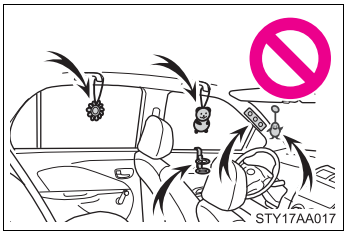
- Vehicles with side airbags and curtain shield airbags: Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle.

CAUTION

n SRS airbag precautions



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



- Vehicles with side airbags and curtain shield airbags: Do not attach anything to areas such as the door, windshield glass, side door glass, front and rear pillars, roof side rail or assist grip.
- Vehicles with side airbags and curtain shield airbags: 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 with side airbags: 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. 70.
  Doing so can cause the SRS airbags to malfunction.
- Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- If breathing becomes difficult after the SRS 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.

CAUTION

SRS airbag precautions

- Vehicles with curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillar garnishes, are damaged or cracked, have them replaced by your Toyota dealer.
- Vehicles without curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad are damaged or cracked, have them replaced by your Toyota dealer.

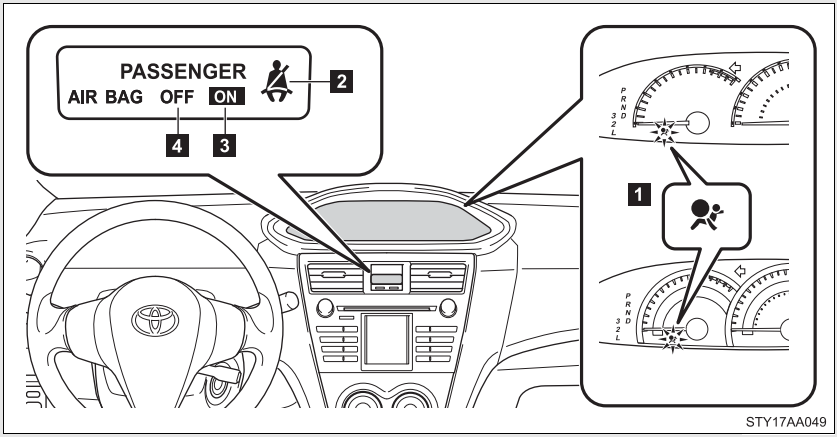
Modification and disposal of SRS airbag system components

Do not dispose of your vehicle or perform any of the following modifications without consulting your Toyota dealer.
The SRS airbags may malfunction or deploy (inflate) accidentally, causing death or serious injury.

- Installation, removal, disassembly and repair of the SRS airbags.
- Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard, seats or seat upholstery, front, side and rear pillars 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 mobile two-way radios or CD players.
- Modifications to your vehicle for a person with a physical disability.

Front passenger occupant classification system

Your vehicle is equipped with a front passenger occupant classification system. This system detects the conditions of the front passenger seat and activates or deactivates the devices for front passenger.



1 SRS warning light

2 Front passenger's seat belt reminder light

3 AIR BAG ON indicator light

4 AIR BAG OFF indicator light

Condition and operation in the front passenger occupant classification system

n Adult*1

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	AIR BAG ON
	SRS warning light	Off
	Front passenger's seat belt reminder light	Flashing*2
Devices	Front passenger airbag	Activated
	Side airbag on the front passenger seat	
	Curtain shield airbag in the front passenger side	
	Front passenger's seat belt pretensioner	

n Child*3 or child restraint system*4

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	AIR BAG OFF*5
	SRS warning light	Off
	Front passenger's seat belt reminder light	Flashing*2
Devices	Front passenger airbag	Deactivated
	Side airbag on the front passenger seat	Activated
	Curtain shield airbag in the front passenger side	
	Front passenger's seat belt pretensioner	

n Unoccupied

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	Not illuminated
	SRS warning light	Off
	Front passenger's seat belt reminder light	
Devices	Front passenger airbag	Deactivated
	Side airbag on the front passenger seat	Activated
	Curtain shield airbag in the front passenger side	
	Front passenger's seat belt pretensioner	Deactivated

n There is a malfunction in the system

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	AIR BAG OFF
	SRS warning light	On
	Front passenger's seat belt reminder light	Off
Devices	Front passenger airbag	Deactivated
	Side airbag on the front passenger seat	Activated
	Curtain shield airbag in the front passenger side	
	Front passenger's seat belt pretensioner	

*1:The system judges a person of adult size as an adult. When a smaller adult sits in the front passenger seat, the system may recognize him/her as a child depending on his/her physique and posture.

*2:In the event the front passenger does not wear a seat belt.

*3:When a larger child who has outgrown a child restraint system sits in the front passenger seat, the system may recognize him/her as an adult depending on his/her physique or posture.

*4:Never install a rear-facing child restraint system on the front passenger seat. A forward-facing child restraint system should only be installed on the front passenger seat when it is unavoidable. (→P. 86)

*5:In case the indicator is not illuminated, consult this manual as for installing the child restraint system properly. (→P. 90)

CAUTION

n **Front passenger occupant classification system precautions**

Observe the following precautions regarding front passenger occupant classification system.
Failure to do so may cause death or serious injury.

- Wear the seat belt properly.
- Make sure the front passenger's seat belt tab has not been left inserted into the buckle before someone sits in the front passenger seat.
- Make sure the AIR BAG OFF indicator light is not illuminated when using the seat belt extender for the front passenger seat. If the AIR BAG OFF indicator light is illuminated, disconnect the extender tongue from the seat belt buckle, then reconnect the seat belt. Reconnect the seat belt extender after making sure the AIR BAG ON indicator light is illuminated. If you use the seat belt extender while the AIR BAG OFF indicator light is illuminated, the front passenger airbag and side airbag on the front passenger side may not activate correctly, which could cause death or serious injury in the event of collision.
- Do not apply a heavy load to the front passenger seat or equipment.
- Do not put weight on the front passenger seat by putting your hands or feet on the front passenger seat seatback from the rear passenger seat.
- Do not let a rear passenger lift the front passenger seat with their feet or press on the seatback with their legs.
- Do not put objects under the front passenger seat.
- Do not recline the front passenger seatback so far that it touches a rear seat. This may cause the AIR BAG OFF indicator light to be illuminated, which indicates that the passenger's airbags will not deploy in the event of a severe accident. If the seatback touches the rear seat, return the seatback to a position where it does not touch the rear seat. Keep the front passenger seatback as upright as possible when the vehicle is moving. Reclining the seatback excessively may lessen the effectiveness of the seat belt system.

CAUTION

n Front passenger occupant classification system precautions

- If an adult sits in the front passenger seat, the AIR BAG ON indicator light is illuminated. If the AIR BAG OFF indicator is illuminated, ask the passenger to sit up straight, well back in the seat, feet on the floor, and with the seat belt worn correctly. If the AIR BAG OFF indicator still remain illuminated, either ask the passenger to move to the rear seat, or if that is not possible, move the front passenger seat fully rearward.
- When it is unavoidable to install the forward-facing child restraint system on the front passenger seat, install the child restraint system on the front passenger seat in the proper order. (→P. 90)
- Do not modify or remove the front seats.
- Do not kick the front passenger seat or subject it to severe impact. Otherwise, the SRS warning light may come on to indicate a malfunction of the detection system. In this case, contact your Toyota dealer immediately.
- Child restraint systems installed on the rear seat should not contact the front seatbacks.

Child restraint systems

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

The laws of all 50 states of the U.S.A. and Canada now require the use of child restraint systems.

Points to remember

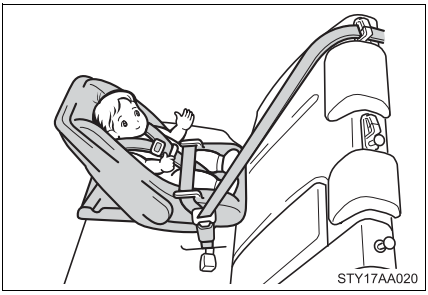
Studies have shown that installing a child restraint on a rear seat is much safer than installing one to the front passenger seat.

- Choose a child restraint system that suits your vehicle and is 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. 90)

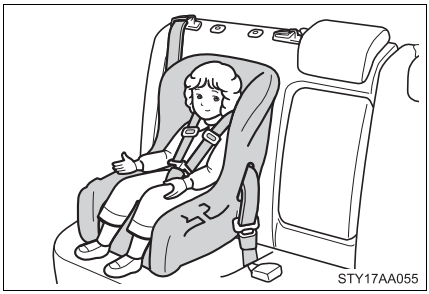
Types of child restraints

Child restraint systems are classified into the following 3 types according to the age and size of the child.

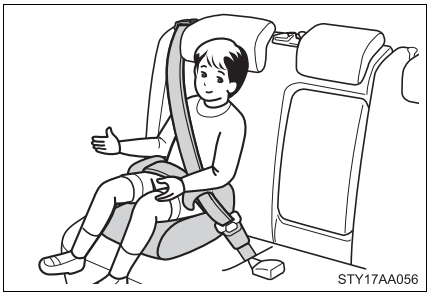
▶ Rear facing — Infant seat/convertible seat



▶Forward facing — Convertible seat



▶Booster seat



n **Selecting an appropriate child restraint system**

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

l 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. 44)

CAUTION

n **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 even if AIR BAG OFF indicator light is illuminated. In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child if the rear-facing child restraint system is installed on the front passenger seat.
- A forward-facing child restraint system may be installed on the front passenger seat only when it is unavoidable. A child restraint system that requires a top tether strap should not be used in the front passenger seat since there is no top tether strap anchor for the front passenger seat. Adjust the seatback as upright as possible and always move the seat as far back as possible even if the AIR BAG OFF indicator light is illuminated, because the front passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.
- Do not use the seat belt extender when installing a child restraint system on the front or rear passenger seat. If installing a child restraint system with the seat belt extender connected to the seat belt, the seat belt will not securely hold the child restraint system, which could cause death or serious injury to the child or other passengers in the event of emergency braking, sudden swerving or an accident.
- Vehicles with side airbags and curtain shield airbags: Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front and rear pillars or roof side rail from which the side airbags or curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.

CAUTION

Child restraint precautions

- 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 emergency braking, sudden swerving or an accident.

Child restraint lock function belt precaution

Do not allow children to play with the child restraint lock function belt. If the belt becomes twisted around a child's neck, it will not be possible to pull the belt out leading 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.

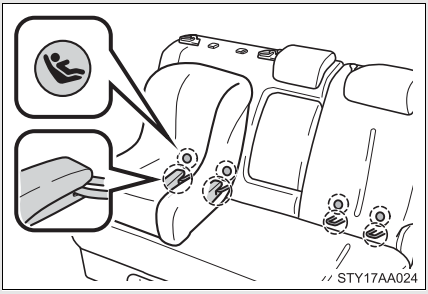
When the child restraint system is not in use

- 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. This will prevent it from injuring passengers in the event of emergency braking, sudden swerving or an accident.

Installing child restraints

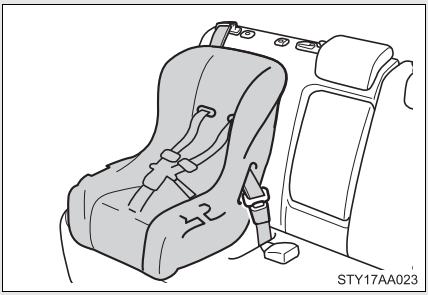
Follow the child restraint system manufacturer's instructions. Firmly secure child restraints to the rear seats using the LATCH anchors or a seat belt. Attach the top tether strap when installing a child restraint.

The lap/shoulder belt can be used if your child restraint system is not compatible with the LATCH (Lower Anchors and Tethers for Children) system.

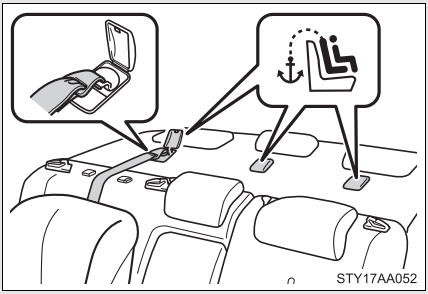


Child restraint LATCH anchors

LATCH anchors are provided for the outside rear seats. (Buttons displaying the location of the anchors are attached to the seats.)



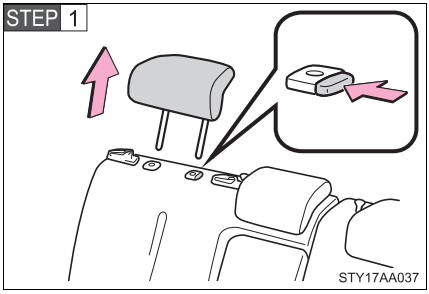
Seat belts equipped with a child restraint locking mechanism (ALR/ELR belts except driver's seat belt) (→P. 44)



Anchor bracket (for top tether strap)

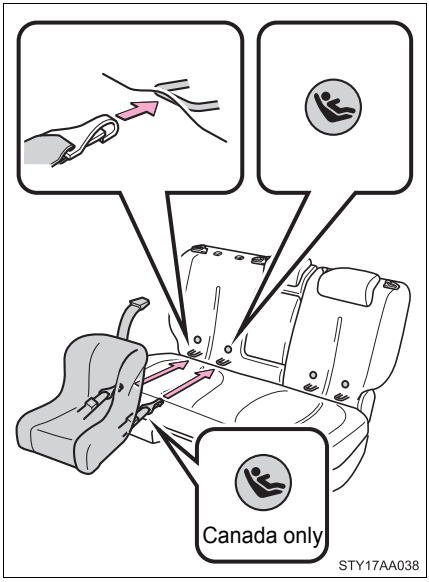
Anchor brackets are provided for all rear seats.

Installation with LATCH system



Remove the head restraint.

►Type A



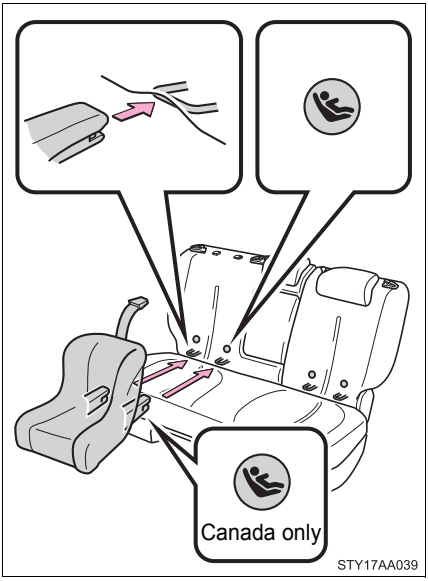
STEP 2 Widen the gap between the seat cushion and seatback slightly.

STEP 3 Latch the hooks of the lower straps onto the LATCH anchors and tighten the lower straps.

STEP 4 If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor. (→P. 96)

For owners in Canada:
The symbol on a child restraint system indicates the presence of a lower connector system.

▶Type B



STEP 2 Widen the gap between the seat cushion and seatback slightly.

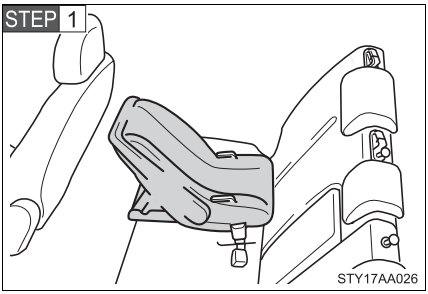
STEP 3 Latch the buckles onto the LATCH anchors.

STEP 4 If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor. (→P. 96)

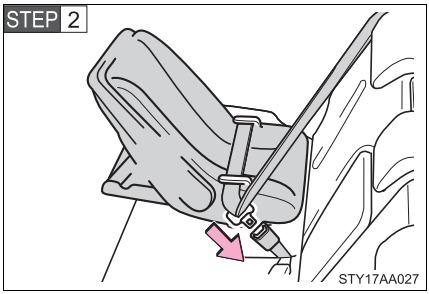
For owners in Canada:
The symbol on a child restraint system indicates the presence of a lower connector system.

Installing child restraints using a seat belt (child restraint lock function belt)

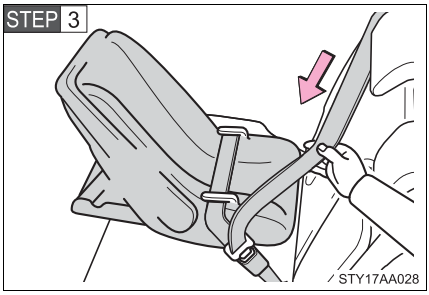
n Rear facing — Infant seat/convertible seat



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

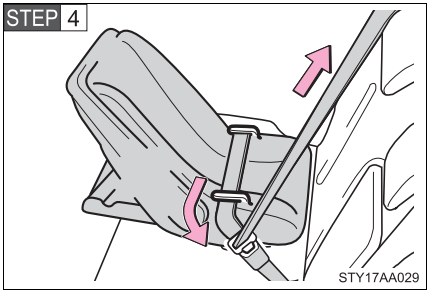


Run the seat belt through the child seat and insert the plate into the buckle. Make sure that the belt is not twisted.



Fully extend the shoulder belt and then allow it to retract slightly in order to activate the ALR lock mode.

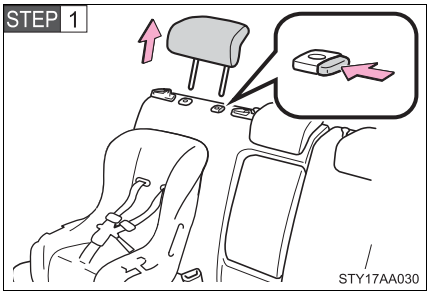
Lock mode allows the seat belt to retract only.



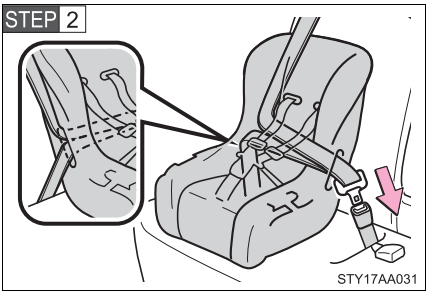
While pushing the child seat down into the rear seat, allow the shoulder belt to retract until the child seat is securely in place.

After the shoulder belt has retracted to a point where there is no slack in the belt, pull the belt to check that it cannot be extended.

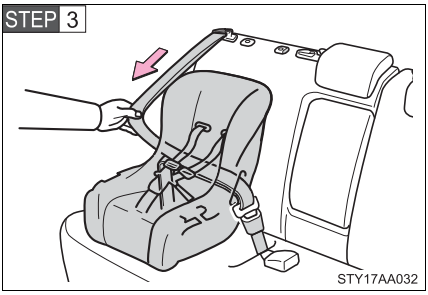
n Forward facing — Convertible seat



Remove the head restraint. Place the child seat on the seat facing the front of the vehicle.

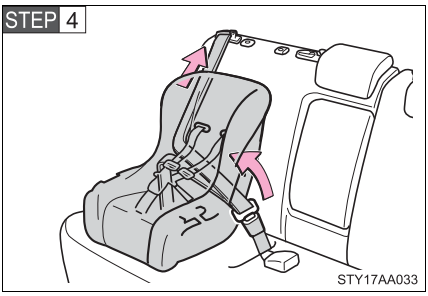


Run the seat belt through the child seat and insert the plate into the buckle. Make sure that the belt is not twisted.



Fully extend the shoulder belt and then allow it to retract slightly into the ALR lock mode.

Lock mode allows the seat belt to retract only.

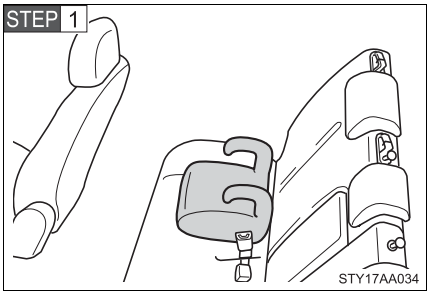


While pushing the child seat into the rear seat, allow the shoulder belt to retract until the child seat is securely in place.

After the shoulder belt has retracted to a point where there is no slack in the belt, pull the belt to check that it cannot be extended.

STEP 5 If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor. (→P. 96)

n Booster seat

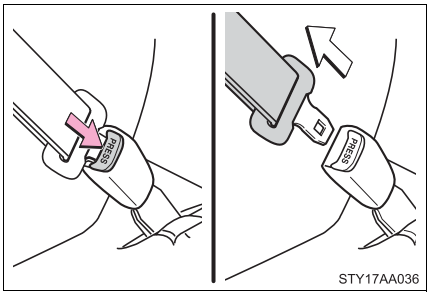


Place the booster seat on the seat facing the front of the vehicle.

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

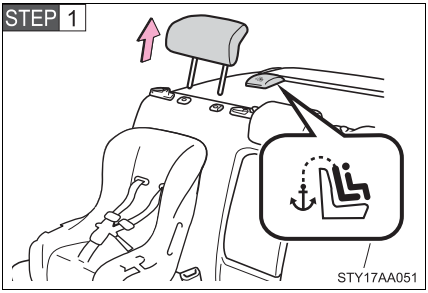
Check that the shoulder belt is correctly positioned over the child's shoulder, and that the lap belt is as low as possible.
(→P. 44)

Removing a child restraint installed with a seat belt

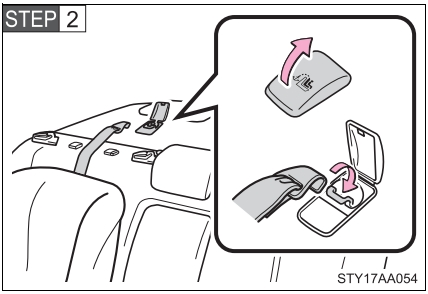


Push the buckle release button and fully retract the seat belt.

Child restraint systems with a top tether strap



Remove the head restraint.



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

Make sure the top tether strap is securely latched.

---

n **Laws and regulations pertaining to anchorages**

The LATCH system conforms to FMVSS225 or CMVSS210.2.
Child restraint systems conforming to FMVSS213 or CMVSS213 specifications can be used.
This vehicle is designed to conform to the SAE J1819.

CAUTION

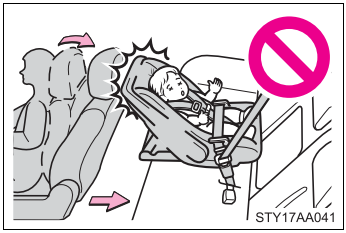
When installing a booster seat

Do not fully extend the shoulder belt to prevent the belt from going to ALR lock mode. (→P. 47)

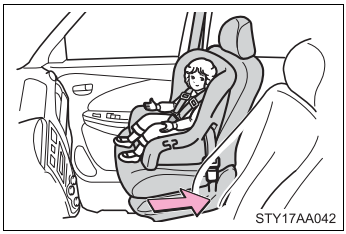
In ALR lock mode the belt is locked in that position and cannot be extended, which could cause injury or discomfort to the child seated in the booster seat.

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



- Only put a forward-facing or booster child seat on the front seat when unavoidable. When installing a forward-facing or booster child seat on the front passenger seat, move the seat as far back as possible even if AIR BAG OFF indicator light is illuminated. Failing to do so may result in death or serious injury if the airbags deploy (inflate).

- When a booster seat is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder. Failing to do so may result in death or serious injury in the event of emergency braking, sudden swerving or an accident.

CAUTION

n **When installing a child restraint system**

- Ensure that the belt and tab are securely locked and the seat belt is not twisted.
- Push and pull the child restraint system from side to side and forward to be sure it is secure.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.
- When a child restraint system with a top tether strap is installed, do not install the head restraint. The head restraint may interfere with the top tether strap preventing secure installation of the child restraint system.
- Make sure to properly store the removed head restraint in a secure place when you use the child restraint system on the rear seat.

n **Do not use a seat belt extender**

If a seat belt extender is used when installing a child restraint system, the seat belt will not securely hold the child restraint system, which could cause death or serious injury to the child or other passengers in the event of emergency braking, sudden swerving or an accident.

n **To correctly attach a child restraint system to the anchors**

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

Driving the vehicle

The following procedures should be observed to ensure safe driving.

n Starting the engine (→ P. 110)

n Driving

▶Automatic transmission

STEP 1 With the brake pedal depressed, shift the shift lever to D. (→P. 114)

STEP 2 Release the parking brake. (→P. 118)

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. 116)

STEP 2 Release the parking brake. (→P. 118)

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

n Stopping

▶Automatic transmission

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

STEP 2 If necessary, set the parking brake.

When the vehicle is stopped for an extended period of time, shift the shift lever to P or N. (→P. 114)

▶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. 116)

n Parking the vehicle

▶Automatic transmission

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

STEP 2 Set the parking brake. (→P. 118)

STEP 3 Shift the shift lever to P. (→P. 114)

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

STEP 4 Turn the engine switch off to 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. 118)

STEP 3 Shift the shift lever to N. (→P. 116)

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

STEP 4 Turn the engine switch off to stop the engine.

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

Starting on a steep uphill

▶Automatic transmission

STEP 1 With the brake pedal depressed, firmly set the parking brake and shift the shift lever to D.

STEP 2 Gently depress the accelerator pedal.

STEP 3 Release the parking brake.

▶Manual transmission

STEP 1 With the parking brake firmly 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 Release the parking brake.

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n 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.

n Breaking in your new Toyota

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

- For the first 200 miles (300 km):
  Avoid sudden stops.
- For the first 500 miles (800 km):
  Do not tow a trailer.
- For the first 1000 miles (1600 km):
  - 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.

n Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 335)

⚠ CAUTION

n When starting the vehicle

Vehicles with an automatic transmission, always keep your foot on the brake pedal while stopped with the engine running. This prevents the vehicle from creeping.

CAUTION

n When driving the vehicle

l Do not drive if you are unfamiliar with the location of the clutch, 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.

l 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.

l Vehicles with an 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 and steering performance, resulting in an accident or damage to the vehicle.

l If the smell of exhaust is noticed inside the vehicle, open the windows and check that the trunk 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 your Toyota dealer immediately.

l On vehicles with an 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.

l 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.

CAUTION

- Do not shift the shift lever to D (vehicles with an 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. 297
- 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. 114,116)
- 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.
- Do not drive in excess of the speed limit. Even if the legal speed limit permits it, do not drive over 85 mph (140 km/h) unless your vehicle has high-speed capability tires. Driving over 85 mph (140 km/h) may result in tire failure, loss of control and possible injury. Be sure to consult a tire dealer to determine whether the tires on your vehicle are high-speed capability tires or not before driving at such speeds.

CAUTION

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.

When driving on slippery road surfaces

- Sudden changes in engine speed, such as engine braking caused by up-shifting or down-shifting, may 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.

When shifting the shift lever

Vehicles with an 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 gear other than P (automatic transmission only) 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 an 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.

CAUTION

- Avoid revving or racing the engine. Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

When the vehicle is parked

- Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun.
  Doing so may result in the following.
  - Gas may leak from a cigarette lighter or spray can, and may lead to a fire.
  - The temperature inside the vehicle may cause the plastic lenses and plastic material of eye glasses to deform or crack.
  - Soft drink cans may 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 (automatic transmission only), 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.

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.

CAUTION

- The exhaust should be checked occasionally. If there is a hole or crack caused by corrosion, damage to a joint or abnormal exhaust noise, be sure to have the vehicle inspected and repaired by your Toyota dealer. Failure to do so may allow exhaust gases to enter the vehicle, resulting in death or a serious health hazard.

When taking a nap in the vehicle

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

When braking the vehicle

- When the brakes are wet, drive more cautiously.
  Braking distance increases when the brakes are wet, and may cause one side of the vehicle to brake differently than the other side. Also the parking brake may not securely hold the vehicle.
- If the 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 brake pedal uses up the reserve for the power-assisted brakes.
- The brake system consists of 2 individual hydraulic systems: If one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and 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

▶ Vehicles with a manual transmission

- Do not rest your foot on the clutch pedal while driving.
  Doing so may cause clutch trouble.
- Do not use any gears other than the first gear when starting off and moving forward.
  Doing so may damage the clutch.
- Do not use the clutch to hold the vehicle when stopping on an uphill grade.
  Doing so may damage the clutch.

▶ Vehicles with an automatic transmission

- Do not use the accelerator pedal or depress accelerator and brake pedals together to hold the vehicle on a hill.

When parking the vehicle

Vehicles with an 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.

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.

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

Have the brake pads checked and replaced by your Toyota dealer as soon as possible.
The rotor damage can result if the pads are not replaced when needed.

It is dangerous to drive the vehicle when the wear limits of the brake pads and/or that of the brake discs are exceeded.

NOTICE

If you get a flat tire while driving

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

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

Replace a flat tire with a new one. (→P. 310)

When encountering flooded roads

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

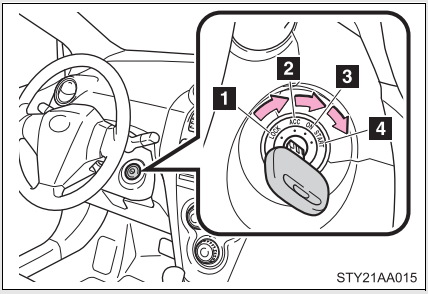
- Engine stalling
- Short in electrical components
- Engine damage caused by water immersion

In the event that you drive on a flooded road and the vehicle is flooded, be sure to have your Toyota dealer check the following.

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

Engine (ignition) switch

n Engine switch



1 LOCK

The steering wheel is locked and the key can be removed. (Vehicles with an 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.

n Starting the engine

►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.

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

The engine will crank until it starts or for up to 20 seconds, whichever is less.
Continue depressing the brake pedal until the engine is completely started.

▶Manual transmission

STEP 1 Check that the parking brake is set.

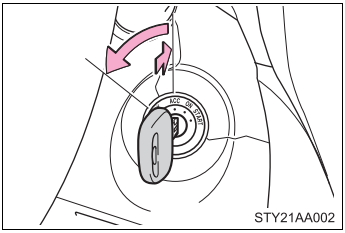
STEP 2 Check that the shift lever is set in N.

STEP 3 Firmly depress the brake pedal and clutch pedal.

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

The engine will crank until it starts or for up to 20 seconds, whichever is less.
Continue depressing the brake pedal and clutch pedal until the engine is completely started.

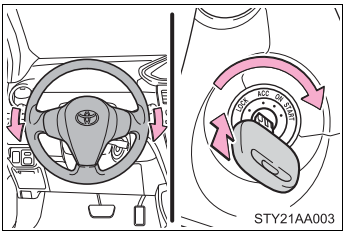
n Turning the key from ACC to LOCK



STEP 1 Shift the shift lever to P (automatic transmission) or N (manual transmission). (→P. 114, 116)

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

n Steering lock release



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

n If the engine does not start (vehicles with engine immobilizer system)

The engine immobilizer system may not have been deactivated. (→P. 62)

n Key reminder function

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

CAUTION

n When starting the engine

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

CAUTION

Caution while driving

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

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.

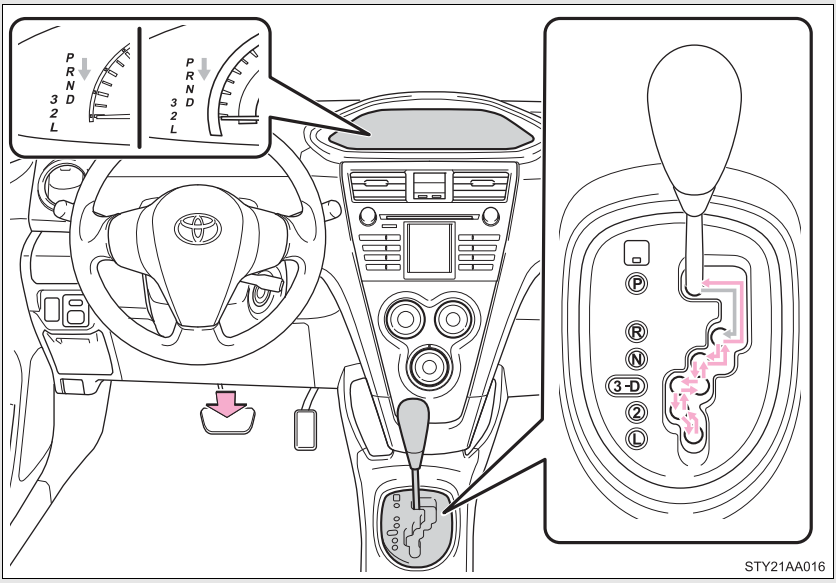
When starting the engine

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

Automatic Transmission*

Select a shift position appropriate for the driving conditions.

n Shifting the shift lever



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

*: If equipped

n Shift position uses

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

*: 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.

n Downshifting restrictions

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

mph (km/h)

Downshifting	Tire size	Maximum speed
3→2	175/65R14	53 (86)
	185/60R15	54 (88)
2→L	175/65R14	26 (43)
	185/60R15	27 (44)

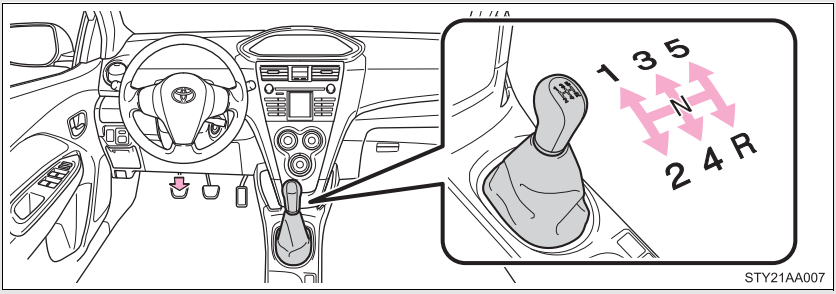
n When driving with the cruise control system

The engine brake will not operate when downshifting from D to 3.(→P. 136)

n If the shift lever cannot be shifted from P (→P. 320)

Manual Transmission*

n Shifting the shift lever



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

n Maximum allowable speeds

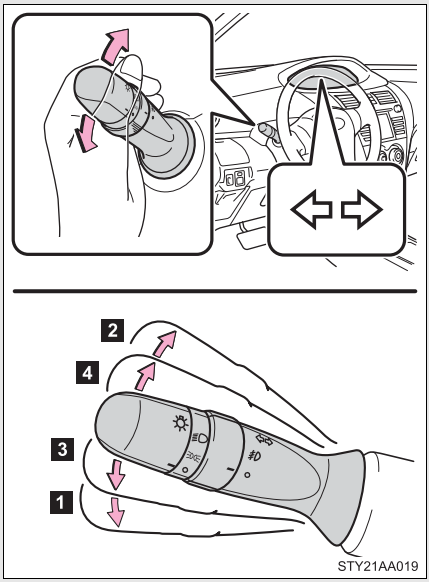
Observe the following maximum allowable speeds in each gear when maximum acceleration is necessary.

mph (km/h)

Shift position	Maximum speed
1	31 (51)
2	59 (95)
3	86 (139)

*: If equipped

Turn signal lever



1 Left turn

2 Right turn

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

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

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

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

n Turn signals can be operated when

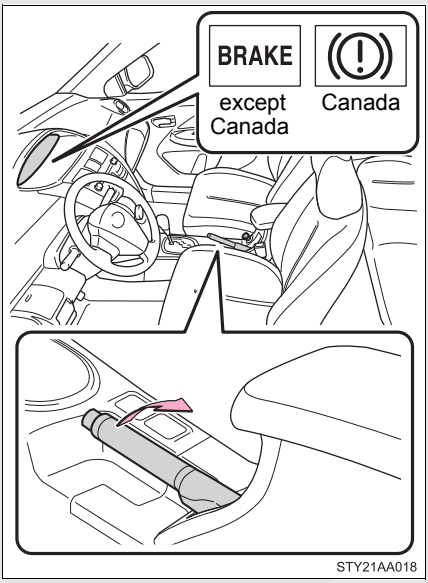
The engine switch is in the ON position.

n 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

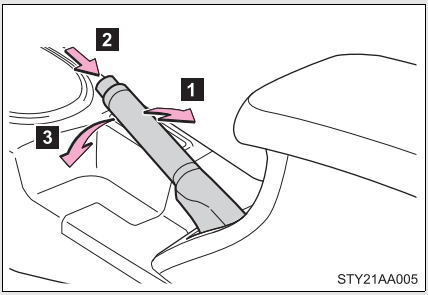
n Set the parking brake



Fully set the parking brake while depressing the brake pedal.

At this time, the indicator will come on.

n Release the parking brake



1 Slightly raise the lever

2 Press the button

3 Lower it completely

n Usage in winter time

See “Winter driving tips” for parking brake usage in winter time. (→P. 148)

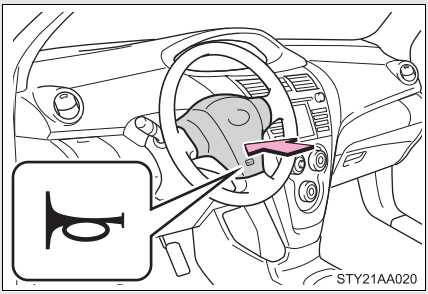
⚠ NOTICE

n Before driving

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

l Parking brake engaged warning buzzer (→P. 297)

Horn

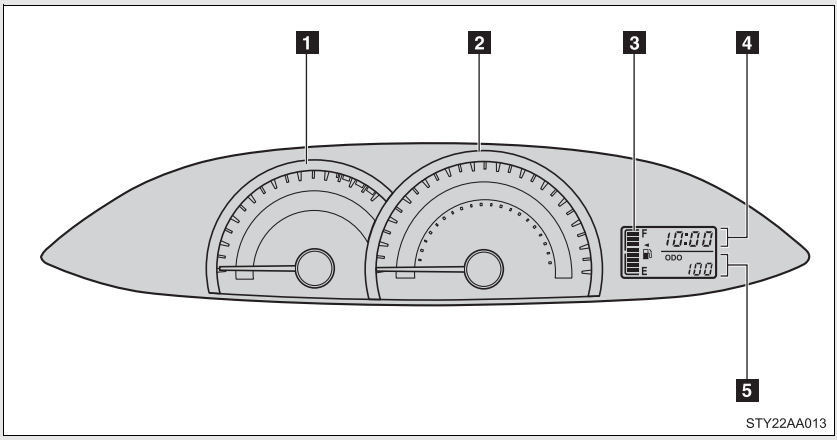


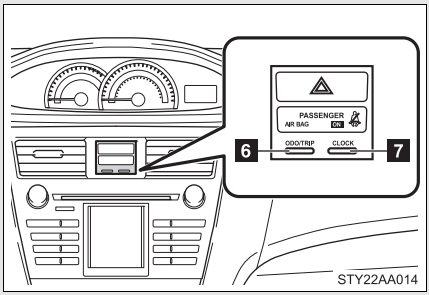
To sound the horn, press on or close to the mark.

n After adjusting the steering wheel

Make sure that the steering wheel is securely locked.
The horn may not sound if the steering wheel is not securely locked.
(→P. 51)

▶ Vehicles with Optitron type meters





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

1 Tachometer

Displays the engine speed in revolutions per minute.

2 Speedometer

Displays the vehicle speed.

3 Fuel gauge

Displays the quantity of fuel remaining in the tank.

4 Clock

Indicates the time.

5 Odometer/trip meter

Odometer:
Displays the total distance the vehicle has been driven.

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

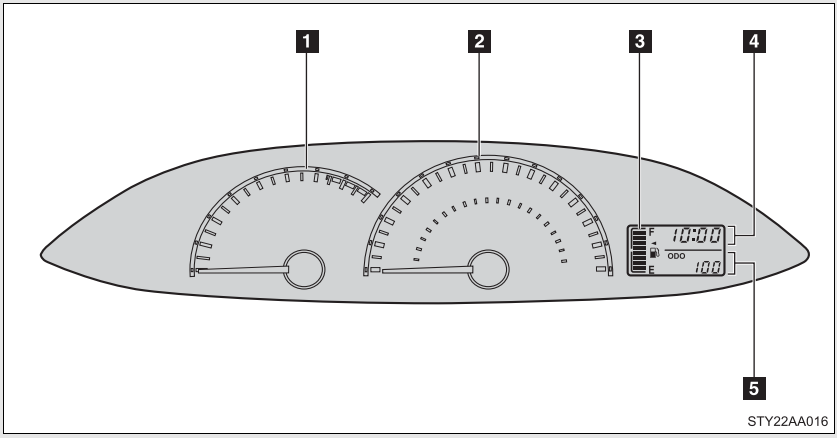
6 ODO/TRIP button

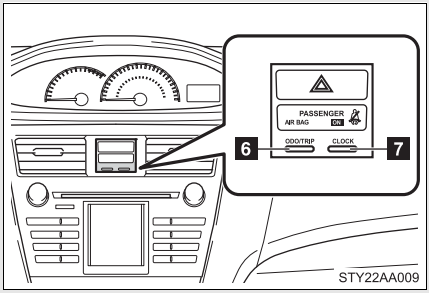
Switches between odometer and trip meter displays. Pushing and holding the button will reset the trip meter when the trip meter is being displayed.

7 CLOCK button

Adjusts the time. (→P. 208)

▶Vehicles without Optitron type meters





1 Tachometer

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6 ODO/TRIP button

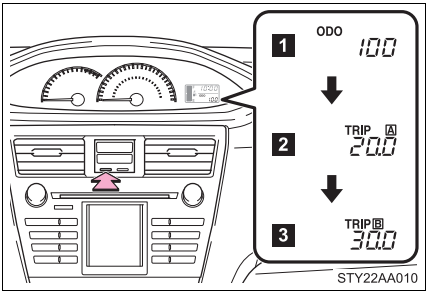
Switches between odometer and trip meter displays. Pushing and holding the button will reset the trip meter when the trip meter is being displayed.

7 CLOCK button

Adjusts the time. (→P. 208)

Odometer and trip meter display button

Pressing this button switches between odometer and trip meter displays.



1 Odometer

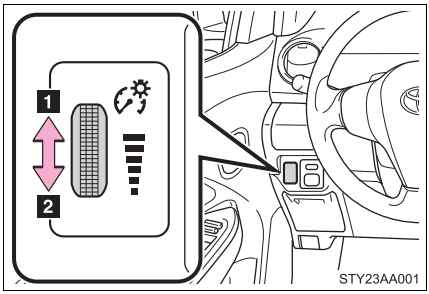
2 Trip meter A*

3 Trip meter B*

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

Instrument panel light control

The brightness of the instrument panel lights can be adjusted.



1 Brighter

2 Darker

With the dial turned fully up, the intensity of the instrument panel lights will not be reduced even when the tail lights/headlights are turned on.

NOTICE

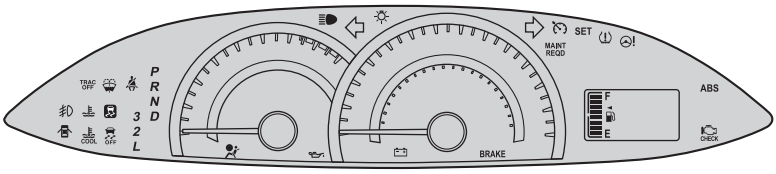
n **To prevent damage to the engine and its components**

- 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 high engine coolant temperature warning light comes on. In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P. 325)

Indicators and warning lights

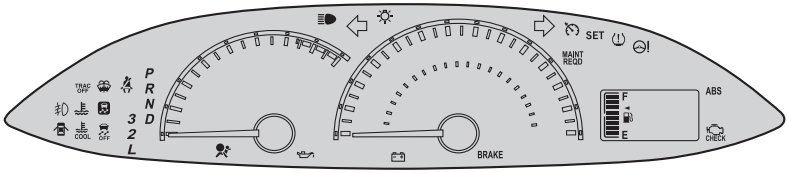
The indicator and warning lights on the instrument cluster and center panel inform the driver of the status of the vehicle's various systems.

►Instrument cluster (vehicles with Optitron type meters)



STY22AA017

►Instrument cluster (vehicles without Optitron type meters)



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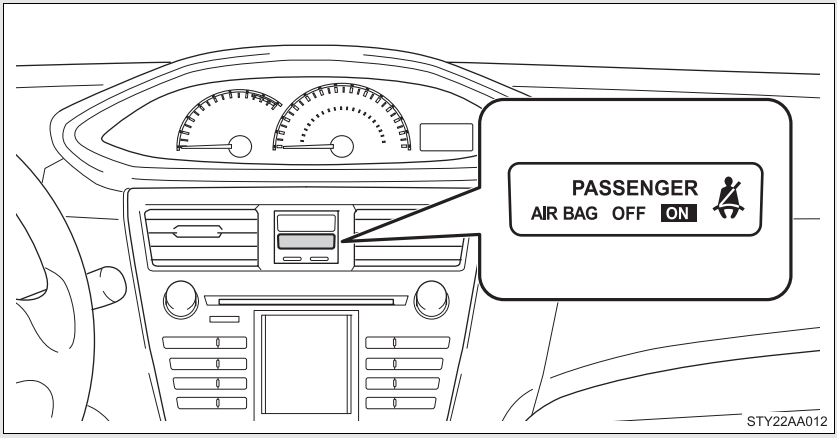
▶Center panel



n Indicators

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

Turn signal indicator (→P. 117)

Headlight high beam indicator (→P. 130)

(except Canada)

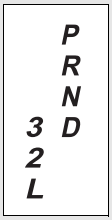
Headlight indicator (→P. 130)

(Canada)

Tail light indicator (→P. 130)

(if equipped)

Front fog light indicator (→P. 132)



(Automatic transmission vehicles)
Shift position and shift range indicators (→P. 114)

Low engine coolant temperature indicator

Indicates the engine coolant temperature is cool.

(if equipped)

Cruise control indicator (→P. 136)

(if equipped)

Cruise control set indicator (→P. 136)

*1,2

(if equipped)

Slip indicator (→P. 139)

*1

(if equipped)

VSC OFF indicator (→P. 140)

(if equipped)

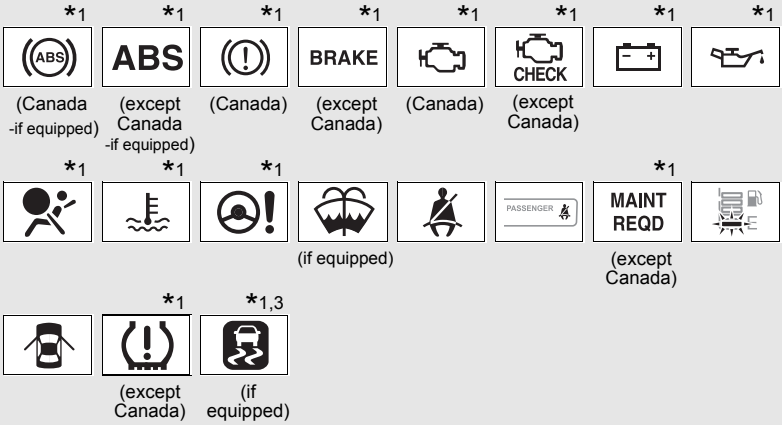
TRAC OFF indicator (→P. 140)

AIR BAG ON indicator (→P. 81)

AIR BAG OFF indicator (→P. 81)

n Warning lights

Warning lights inform the driver of malfunctions in any of the vehicle's systems. (→P. 297)



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

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

*3: The indicator comes on to indicate a malfunction.

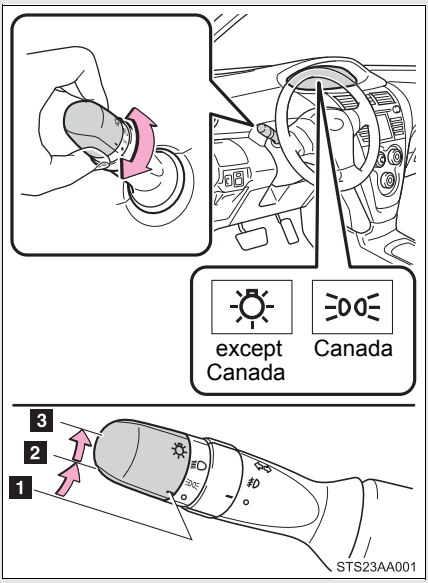
CAUTION

n If a safety system warning light does not come on

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

Headlight switch

The headlights can be operated manually.

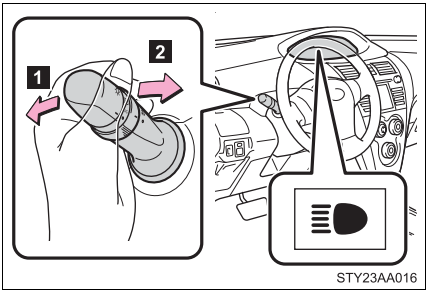


1 The daytime running lights turn on. (if equipped)

2 The side marker, parking, tail, license plate, daytime running lights (if equipped) and instrument panel lights turn on.

3 The headlights and all lights listed above turn on.

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.

n Daytime running light system (if equipped)

- To make your vehicle more visible to other drivers, the headlights 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.
- Compared to turning on the headlights, the daytime running light system offers greater durability and consumes less electricity, so it can help improve fuel economy.

n Light reminder buzzer

A buzzer sounds when the key is removed and the driver's door is opened while the lights are turned on.

NOTICE

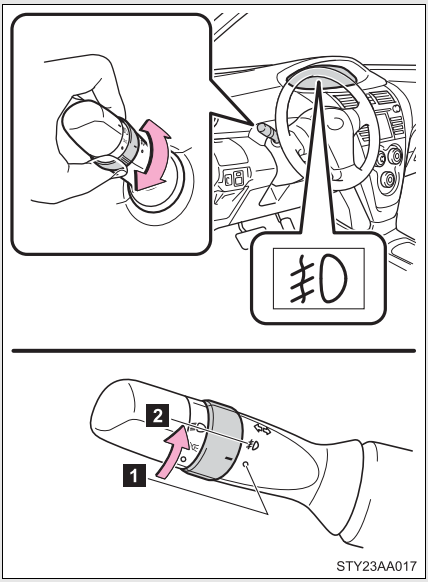
n To prevent battery discharge

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

Fog light switch*

The fog lights improve visibility in difficult driving conditions, such as in rain or fog. They can be turned on only when the headlights are on low beam.

n Front fog light switch

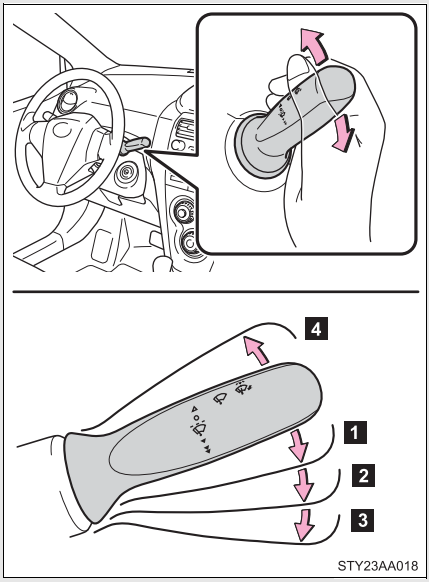


1 OFF

2 Front fog lights ON

*: If equipped

n Intermittent wiper without interval adjuster

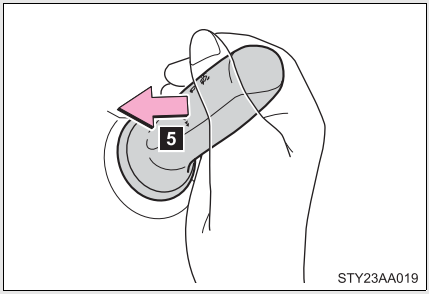


1 Intermittent windshield wiper operation

2 Low speed windshield wiper operation

3 High speed windshield wiper operation

4 Temporary operation

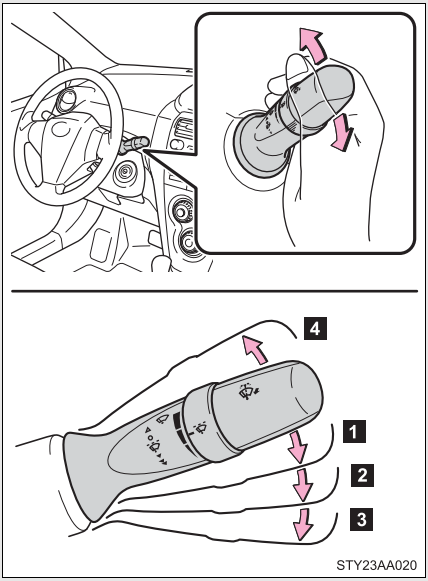


5 Washer/wiper dual operation

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

n Intermittent wiper with interval adjuster

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

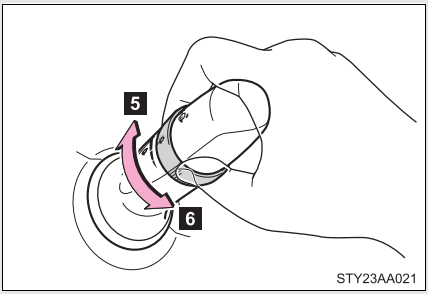


1 Intermittent windshield wiper operation

2 Low speed windshield wiper operation

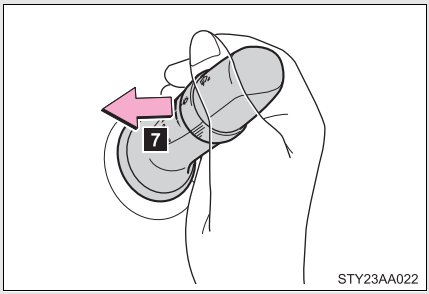
3 High speed windshield wiper operation

4 Temporary operation



5 Increases the intermittent windshield wiper frequency

6 Decreases the intermittent windshield wiper frequency



7 Washer/wiper dual operation

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

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

The engine switch must be in the ON position.

n **If no windshield washer fluid sprays**

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

⚠ NOTICE

n **When the windshield is dry**

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

n **When there is no washer fluid spray from the nozzle**

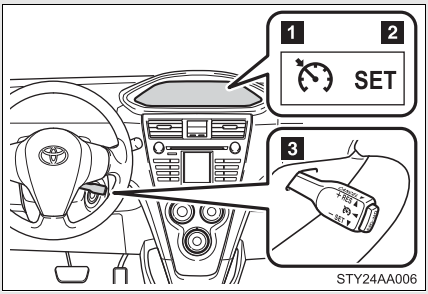
Damage to the washer fluid pump may be caused if the lever is pulled toward you and held continually.

n **When a nozzle becomes block**

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

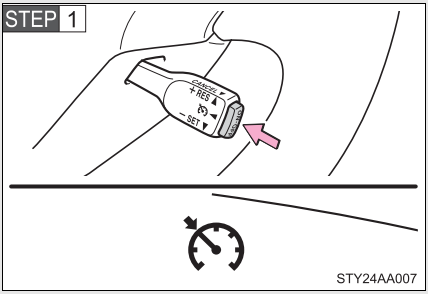
Cruise control*

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



1 Cruise control indicator
2 Cruise control set indicator
3 Cruise control switch

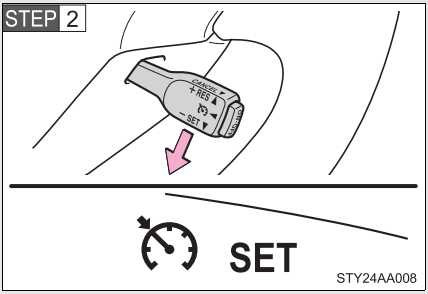
n Set the vehicle speed



Press the ON-OFF button to turn the cruise control on.

At this time, the cruise control indicator will come on.

Press the button once more to deactivate the cruise control.

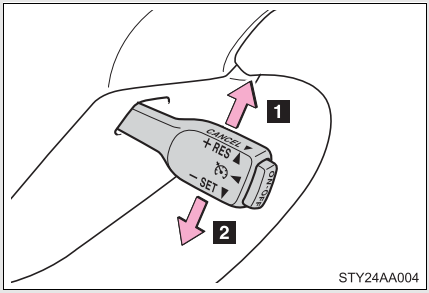


Accelerate or decelerate to the desired speed and push the lever down to set the cruise control speed.

At this time, the cruise control set indicator will come on.

*: If equipped

n Adjusting the speed setting



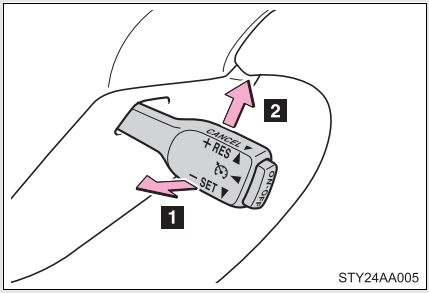
1 Increase speed

2 Decrease speed

Hold the lever until the desired speed setting is obtained.

Fine adjustment of the set speed (approximately 1.0 mph [1.6 km/h]) can be made by lightly pushing the lever up or down and releasing it.

n Canceling and resuming regular acceleration



1 Cancel

Push the lever towards you to cancel cruise control.

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

2 Resume

To resume cruise control and return to the set speed, push the lever up.

---

n Cruise control can be set when

- The shift lever is in D or 3 (vehicles with an automatic transmission).
- Vehicle speed is above approximately 25 mph (40 km/h).

n Accelerating

The vehicle can be accelerated normally. After acceleration, the set speed resumes.

Automatic cruise control cancelation

The set speed is automatically cancelled in any of the following situations.

- Actual vehicle speed falls more than 10 mph (16 km/h) below the preset vehicle speed.
  At this time, the memorized set speed is not retained.
- Actual vehicle speed is below 25 mph (40 km/h).
- VSC is activated.

If the cruise control indicator flashes

Press the ON-OFF button to turn the cruise control off, and then reactivate the system.
If the cruise control speed cannot be set or if the cruise control cancels immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by your Toyota dealer.

CAUTION

To avoid operating the cruise control by mistake

Keep the ON-OFF button off 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 control of the vehicle being lost 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 towing a trailer or emergency towing

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.

n **ABS (Anti-lock Brake System) (if equipped)**

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

n **Brake Assist**

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

n **VSC (Vehicle Stability Control) (if equipped)**

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

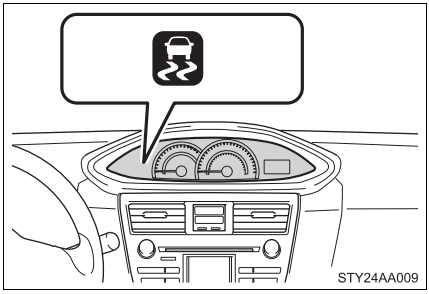
n **TRAC (Traction Control) (if equipped)**

Maintains drive power and prevent the rear wheels from spinning when starting the vehicle or accelerating on slippery roads.

n **EPS (Electric Power Steering)**

Employs an electric motor to reduce the amount of effort needed to turn the steering wheel.

When the VSC/TRAC are operating



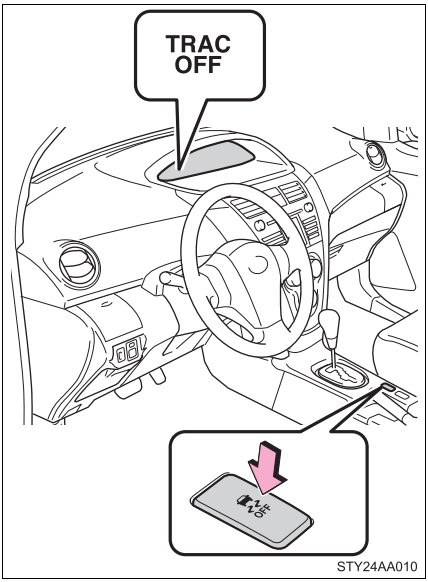
If the vehicle is in danger of slipping or the front wheels spin, the indicator flashes to indicate that VSC/TRAC have been engaged.

A buzzer (intermittent) sounds to indicate that VSC is operating.

To disable TRAC and/or VSC

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

n TRAC OFF mode



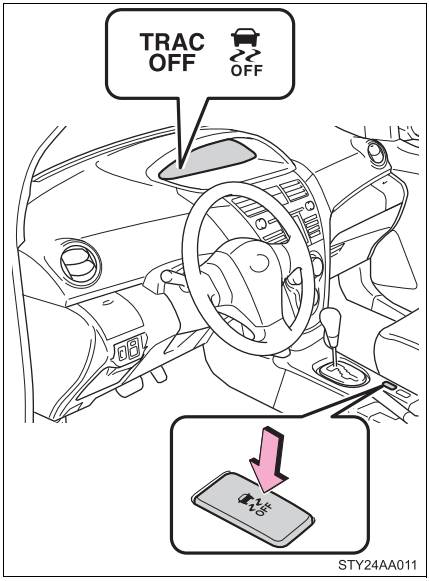
Press the VSC OFF switch briefly.

The TRAC OFF indicator will come on.

The system is in TRAC off and VSC on mode.

Push the switch again to turn the system back on.

n VSC OFF mode



Stop the vehicle completely, and press the VSC OFF switch for more than 3 seconds.

The TRAC OFF and VSC OFF indicators will come on.

The system is in TRAC off and VSC off mode.

n Sounds and vibrations caused by the ABS, TRAC, VSC and brake assist system

l 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

l 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.

n If the brake system overheats

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

Automatic reactivation of TRAC and VSC

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

Automatic TRAC reactivation

If only the TRAC system is turned off, the TRAC system will turn on when vehicle speed increases.

Automatic TRAC and VSC reactivation

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

If the slip indicator light up

There is a malfunction in the TRAC and VSC systems. Contact your Toyota dealer and have your Toyota inspected.

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 within 10 minutes.

CAUTION

The ABS does not operate effectively when

- Tires with inadequate gripping ability are used (such as excessively worn tires on a snow covered road).
- The vehicle hydroplanes while driving at high speed on the wet or slick road.

CAUTION

n **Stopping distance when the ABS is operating on the wet or slick roads**

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 uneven roads

n **When VSC is activated**

The slip indicator flashes and a warning buzzer sounds. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator flashes and a buzzer sounds.

n **TRAC may not operate effectively when**

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

n **Replacing tires**

Make sure that all tires are of the same size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the appropriate tire pressure level.

The ABS and VSC will not function correctly if different tires are fitted on the vehicle.

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

n **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.

Cargo and luggage

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

- Stow cargo and luggage in the trunk 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.

Capacity and distribution

Cargo capacity depends on the total weight of the occupants.

(Cargo capacity) = (Total load capacity) – (Total weight of occupants)

Steps for Determining Correct Load Limit—

(1) Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.” on your vehicle’s placard.

(2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.

(3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.

(4) The resulting figure equals the available amount of cargo and luggage load capacity.

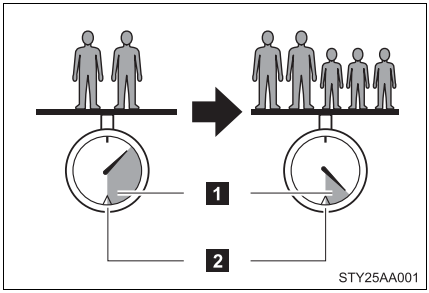
For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400 – 750 (5 × 150) = 650 lbs.)

(5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Except Canada:
Toyota does not recommend towing a trailer with your vehicle. Your vehicle is not designed for trailer towing.

Example on your vehicle



1 Cargo capacity

2 Total load capacity

When 2 people with the combined weight of 366 lb. (166 kg) are riding in your vehicle, which has a total load capacity of 845 lb. (383 kg), the available amount of cargo and luggage load capacity will be as follows:

845 lb. – 366 lb. = 479 lb. (383 kg – 166 kg = 217 kg)

In this condition, if 3 more passengers with the combined weight of 388 lb. (176 kg) get on, the available cargo and luggage load will be reduced as follows:

479 lb. – 388 lb. = 91 lb. (217 kg – 176 kg = 41 kg)

As shown in the above example, if the number of occupants increases, the cargo and luggage load will be reduced by an amount that equals the increased weight due to the additional occupants. In other words, if an increase in the number of occupants causes an excess of the total load capacity (combined weight of occupants plus cargo and luggage load), you must reduce the cargo and luggage on your vehicle.

CAUTION

Things that must not be carried in the trunk

The following things may cause a fire if loaded in the trunk.

- Receptacles containing gasoline
- Aerosol cans

Storage precautions

Observe the following precautions.
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
  - 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 emergency braking, sudden swerving or an accident.
- Never allow anyone to ride in the enlarged trunk. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened. Otherwise, they are much more likely to suffer death or serious bodily injury, in the event of emergency braking, sudden swerving or an accident.

Capacity and distribution

- Do not exceed the maximum axle weight rating or the total vehicle weight rating.
- Even if the total load of occupant's weight and the cargo load is less than the total load capacity, do not apply the load unevenly. Improper loading may cause deterioration of steering or braking control which may cause death or serious injury.

Vehicle load limits

Vehicle load limits include total load capacity, seating capacity, towing capacity and cargo capacity.

n **Total load capacity: 845 lb. (383 kg)**

Total load capacity means the combined weight of occupants, cargo and luggage.

n **Seating capacity: 5 occupants (Front 2, Rear 3)**

Seating capacity means the maximum number of occupants whose estimated average weight is 150 lb. (68 kg) per person.

Even if the number of occupants are within the seating capacity, do not exceed the total load capacity.

n **Towing capacity (Canada): 700 lb. (318 kg)**

Towing capacity means the maximum gross trailer weight (trailer weight plus its cargo weight) that your vehicle is able to tow.

n **Towing capacity (except Canada):**

Toyota does not recommend towing a trailer with your vehicle.

n **Cargo capacity**

Cargo capacity may increase or decrease depending on the weight and the number of occupants.

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n **Total load capacity and seating capacity**

These details are also described on the tire and loading information label. (→P. 252)

CAUTION

n **Overloading the vehicle**

Do not overload the vehicle.
It may not only cause damage to the tires, but also degrade steering and braking ability, resulting in 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, scrape an outside rear view mirror surface or move a wiper or outside rear view mirror that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.
- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- Remove any ice that has accumulated on the vehicle chassis.
- Periodically check for and remove any excess ice or snow that may have accumulated in the wheel well or on the brakes.

n **When driving the vehicle**

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

n **When parking the vehicle**

Park the vehicle and move the shift lever to P (automatic transmission) or to 1 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.

Regulations on the use of snow chains

l Regulations regarding the use of tire chains vary according to location and type of road. Always check local regulations before installing chains.

l Use SAE Class “S” type radial tire chains, with the exception of radial cable chains or V-bar type chains.

- Install the chains on the front tires.
- Refer to the explanation that comes with the tire chains for installation instructions.

l Retighten the chains after driving 1/4 - 1/2 mile (0.5 - 1.0 km).

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n **Snow chain installation**

Observe the following precautions when installing and removing chains.

l Install and remove tire chains in a safe location.

l Install tire chains on the front tires only. Do not install tire chains on the rear tires.

l Install the tire chains on front tires as tightly as possible.

l Install tire chains following the instructions provided in the accompanying instructions.

l If wheel ornaments are used, they will be scratched by the chain band, so remove the ornaments before putting on the chains. (→P. 310)

CAUTION

Driving with snow tires

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

- Use tires of the size specified for your vehicle.
- Maintain the recommended level of air pressure.
- Do not drive in excess of 75 mph (120 km/h) regardless of the type of snow tires being used.
- Snow tires should be installed on all wheels.

Driving with snow chains

Observe the following precautions to reduce the risk of accidents.
Failing to do so may result in the vehicle being unable to be driven safely, and may cause death or serious injury.

- Do not drive in excess of the speed limit specified for the tire chains being used or 30 mph (50 km/h), whichever is lower.
- Avoid driving on bumpy road surfaces or over potholes.
- Avoid sudden turns and braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.

NOTICE

Repairing or replacing snow tires

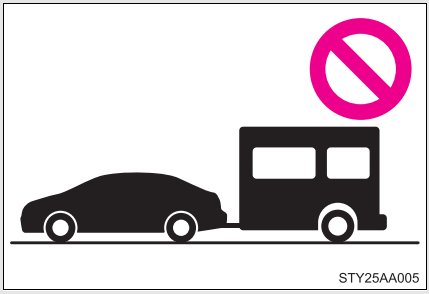
Request repairs of and obtain replacement snow tires from Toyota dealers or legitimate tire retailers.
This is because the removal and attachment of snow tires affects the operation of the tire pressure warning valves and transmitters.

Fitting tire chains

The tire pressure warning valves and transmitters may not function correctly when tire chains are fitted.

Trailer towing (except Canada)

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



Trailer towing (Canada)

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

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

n Weight limits

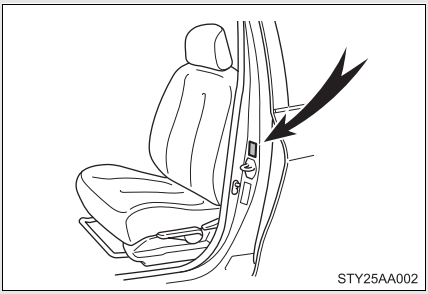
Confirm the total trailer weight, gross vehicle weight, gross axle weight and trailer tongue load are all within the limits.

n Gross vehicle weight

The gross vehicle weight must not exceed the Gross Vehicle Weight Rating (GVWR) indicated on the Certification Label. The gross vehicle weight is the sum of weights of the unloaded vehicle, driver, passengers, luggage, hitch, and the trailer tongue load. It also includes the weight of any special equipment installed on your vehicle.

n Gross axle weight

The load on either the front or rear axle resulting from distribution of the gross vehicle weight on both axles must not exceed the Gross Axle Weight Rating (GAWR) listed on the Certification Label.

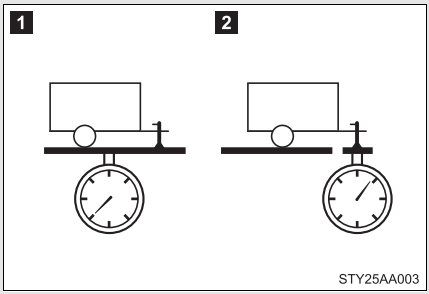


Certification label

n **Trailer tongue load**

The trailer cargo load should be distributed so that the tongue load is 9 to 11% of the total trailer weight, not exceeding the maximum 70 lb. (32 kg) (Tongue load / Total trailer weight × 100 = 9 to 11%)

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



1 Total trailer weight

2 Tongue load

Towing a trailer

Consult your Toyota dealer for further information about additional requirements such as a towing kits, etc.

Before towing

Check that the following conditions are met:

- Ensure that your vehicle's tires are properly inflated. (→P. 341)
- Trailer tires should be inflated according to the trailer manufacturer's recommendation.
- All trailer lights work to be legal.
- Confirm all lights work each time you connect them.
- Check that your vehicle remains level when a loaded or unloaded trailer is hitched. Do not drive if the vehicle is not level, and check for improper tongue load, overloading, worn suspension, or other possible causes.
- Make sure the trailer cargo is securely loaded.
- Check that your rear view mirrors conform to any federal, state/provincial or local regulations. If they do not, install rear view mirrors appropriate for towing purposes.

Break-in schedule

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

Maintenance

- If you tow a trailer, your vehicle will require more frequent maintenance due to the additional load. (See "Scheduled Maintenance Guide" or "Owner's Manual Supplement".)
- Retighten the fixing bolts of the towing ball and bracket after approximately 600 miles (1000 km).

CAUTION

n **To avoid accident or injury**

- The total trailer weight (trailer weight plus the weight of cargo) must not exceed 700 lb. (318 kg)
- Do not exceed the trailer hitch assembly weight, gross vehicle weight, gross axle weight and trailer tongue load capacities.

n **Hitches**

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

- If you wish to install a trailer hitch, your Toyota dealer should be consulted.
- Use only a hitch that conforms to the total trailer weight requirement.
- Follow the directions supplied by the hitch manufacturer.
- Lubricate the hitch ball with a light coat of grease.
- Remove the trailer hitch whenever you are not towing a trailer to reduce the possibility of additional damage caused by the hitch if your vehicle is struck from behind.

n **When towing a trailer**

- Never tap into your vehicle's hydraulic system, as this will lower the vehicle's braking effectiveness.
- Never tow a trailer without using a safety chain securely attached to both the trailer and the vehicle. If damage occurs to the coupling unit or hitch ball, there is danger of the trailer wandering into another lane.

NOTICE

n **When installing a trailer hitch**

Use only the position recommended by your Toyota dealer. Do not install the trailer hitch on the bumper; this may cause body damage.

n **Brakes**

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

n **Safety chain**

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

n **Do not directly splice trailer lights**

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

Trailer towing tips

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

l Before starting out, check the trailer's light and the vehicle-trailer connections. Recheck after driving a short distance.

l Practice turning, stopping and reversing with the trailer attached in an area away from traffic until you become accustomed to the feel of the vehicle.

- Reversing with a trailer attached is difficult and requires practice. Grip the bottom of the steering wheel and move your hand to the left to move the trailer to the left. Move your hand to the right to move the trailer to the right. (This is generally opposite to reversing without a trailer attached.) Avoid sharp or prolonged turning. Have someone guide you when reversing to reduce the risk of an accident.
- As stopping distance is increased when towing a trailer, vehicle-to-vehicle distance should be increased. For each 10 mph (16 km/h) of speed, allow at least one vehicle and trailer length.
- Avoid sudden braking as you may skid, resulting in jackknifing and loss of control. This is especially true on wet or slippery surfaces.
- Avoid jerky starts or sudden acceleration. Vehicles with a manual transmission, prevent excessive clutch slippage by keeping engine rpm low and not racing the engine. Always start out in first gear.
- Avoid jerky steering and sharp turns, and slow down before making a turn.
- Note that when making a turn, the trailer wheels will be closer than the vehicle wheels to the inside of the turn. Compensate by making a larger than normal turning radius.
- Crosswinds and rough roads will adversely affect handling of your vehicle and trailer, causing sway. Periodically check the rear to prepare for being passed by large trucks or buses, which may cause your vehicle and trailer to sway. If swaying occurs, firmly grip the steering wheel, reduce speed immediately but gradually, and steer straight ahead. Never increase speed. If you make no extreme correction with the steering or brakes, your vehicle and trailer will stabilize.
- Take care when passing other vehicles. Passing requires considerable distance. After passing a vehicle, do not forget the length of your trailer, and be sure you have plenty of room before changing lanes.

- In order to maintain engine braking efficiency, do not use the transmission in D (automatic transmission) or 5 (manual transmission).
- Due to the added load of the trailer, your vehicle's engine may overheat on hot days (at temperatures over 85°F [30°C]) when driving up a long or steep grade. If the engine coolant temperature gauge indicates overheating, immediately turn off the air conditioning (if in use), pull your vehicle off the road and stop in a safe spot. (→P. 325)
- Always place wheel blocks under both the vehicle and the trailer wheels when parking. Apply the parking brake firmly, and put the transmission in P (automatic transmission) or in 1 or R (manual transmission). Avoid parking on a slope, but if unavoidable, do so only after performing the following:

STEP 1 Apply the brakes and keep them applied.

STEP 2 Have someone place wheel blocks under both the vehicle and trailer wheels.

STEP 3 When the wheel blocks are in place, release the brakes slowly until the blocks absorb the load.

STEP 4 Apply the parking brake firmly.

STEP 5 Shift into 1 or R (manual transmission) or P (automatic transmission) and turn off the engine.

- When restarting after parking on a slope:

STEP 1 With the transmission in P (automatic transmission) or the clutch pedal (manual transmission) depressed, start the engine. On vehicles with an automatic transmission, be sure to keep the brake pedal pressed.

STEP 2 Shift into a forward gear. If reversing, shift into R.

STEP 3 Release the parking brake (also brake pedal on vehicles with an automatic transmission), and slowly pull or back away from the wheel blocks. Stop and apply the brakes.

STEP 4 Have someone retrieve the blocks.

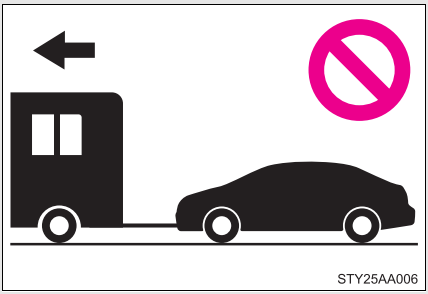
CAUTION

n **To avoid an accident**

- Do not exceed 45 mph (72 km/h) or posted towing speed limit, whichever is lower. As instability (swaying) of the towing vehicle-trailer combination increases as speed increases, exceeding 45 mph (72 km/h) may cause loss of control.
- Slow down and downshift before descending steep or long downhill grades. Do not make sudden downshifts.
- Avoid holding the brake pedal down too long or too frequently. This could cause the brakes to overheat and result in reduced braking efficiency.

Dinghy towing (vehicles with an automatic transmission)

Your vehicle is not designed to be dinghy towed (with 4 wheels on the ground) behind a motor home.



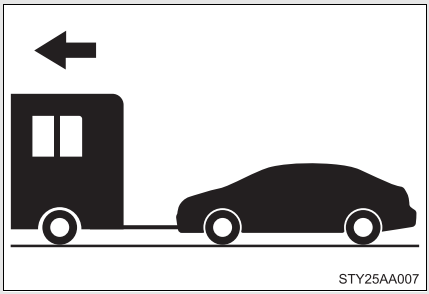
NOTICE

n **To avoid serious damage to your vehicle**

Do not tow your vehicle with four wheels on the ground.

Dinghy towing (vehicles with a manual transmission)

Your vehicle can be dinghy towed in a forward direction (with 4 wheels on the ground) behind a motor home.



Dinghy towing does not eliminate the possibility of damage to your vehicle.

Towing your vehicle with 4 wheels on the ground

To prevent damage to your vehicle, perform the following procedures before towing.

STEP 1 Shift the shift lever to N.

STEP 2 Turn the engine switch to the ACC position.

Ensure that the audio system and other powered devices have been turned off.

STEP 3 Release the parking brake.

After towing, leave the engine in idle for at least 3 minutes before driving the vehicle.

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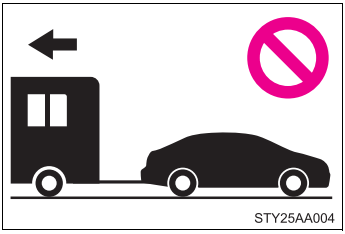
n **Necessary equipment and accessories**

Specialized equipment and accessories are required for dinghy towing. Contact the service branch of the motor home manufacturer regarding recommended equipment.

NOTICE

n **Dinghy towing direction**

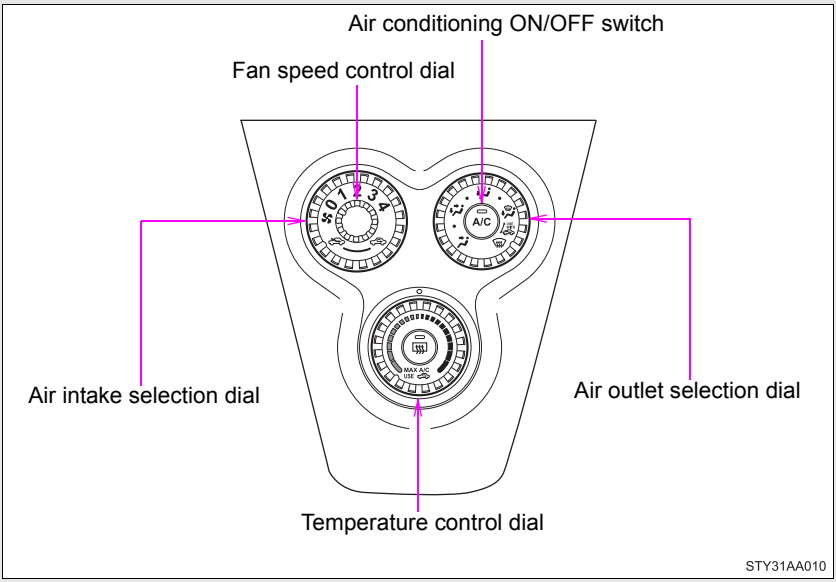


Do not tow the vehicle backwards.

Doing so may cause serious damage.

n **To prevent the steering from locking**

Ensure the engine switch is in the ACC position.



Adjusting the settings

n Adjusting the temperature setting

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

If A/C is not pressed, the system will blow ambient temperature air or heated air.

For quick cooling, turn the temperature control dial to the “MAX A/C” position and set the air intake selection dial to (recirculated air) mode.

n Adjusting the fan speed

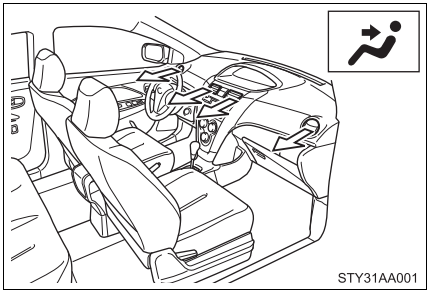
Turn the fan speed control dial clockwise (increase) or counter-clockwise (decrease).

Set the dial to “0” to turn the fan off.

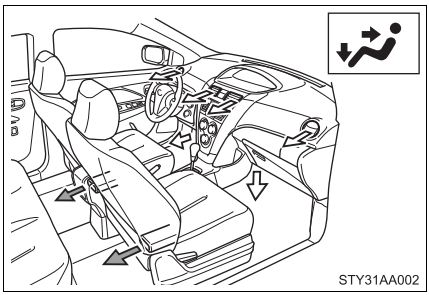
n Selecting the air outlets

Set the air outlet selection dial to an appropriate position.

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

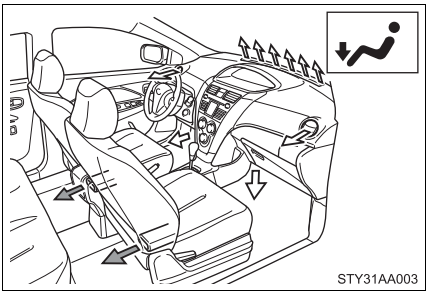


When the dial is set to , air flows to the upper body.



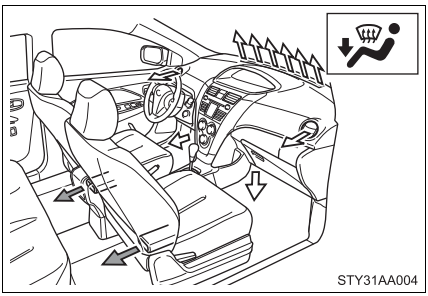
When the dial is set to , air flows to the upper body and feet.

: Some models



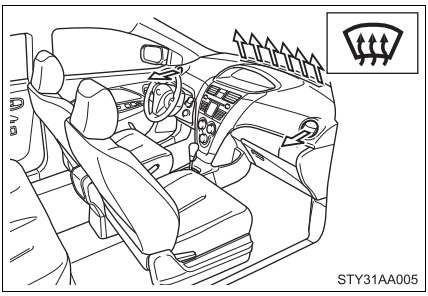
When the dial is set to , mainly air flows to the feet.

: Some models



When the dial is set to , air flows to the feet and the windshield defogger operates.

: Some models



When the dial is set to , air flows to the windshield and side windows to defog them.

Set the air intake selection dial to (outside air) mode.

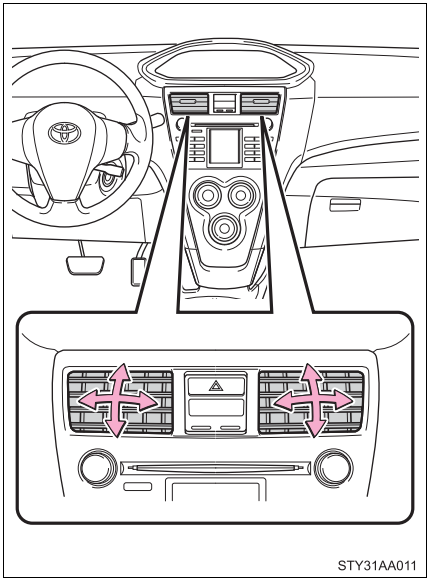
Pressing A/C to turn the air conditioning on clears the windshield and side windows faster.

n Selecting the air intake modes

Set the air intake selection dial to (outside air) mode or (recirculated air) mode.

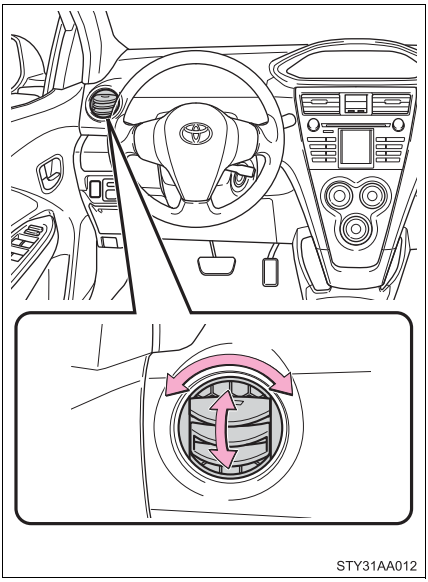
Adjusting the position of the air outlets

▶Center outlets



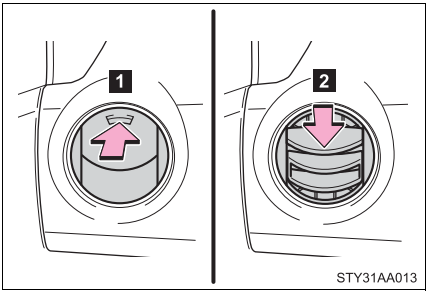
Direct air flow to the left or right, up or down.

▶Right and left side outlets



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

Opening and closing the right and left side outlets



1 Open the vent.

2 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 32°F (0°C)

The air conditioning system may not operate even when A/C is pressed.

When is selected for the air outlets used

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

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 set the air outlet selection dial to 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.

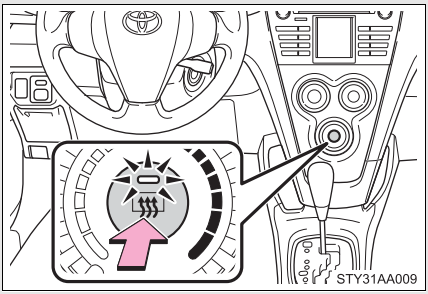
NOTICE

To prevent battery discharge

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

Rear window and outside rear view mirror defoggers*

These features are used to defog the rear window, and to remove raindrops, dew and frost from the outside rear view mirrors.



On/off

Press the button to turn on the rear window defogger. The indicator light will come on. Pressing the button again also turns the defoggers off.

Vehicles with timer: The defoggers will automatically turn off after approximately 15 minutes.

---

n **The rear window and outside rear view mirror defoggers can be operated when**

The engine switch is in the ON position.

n **Outside rear view mirror defoggers (vehicles with outside rear view mirror defoggers)**

Turning the rear window defogger on will turn the outside rear view mirror defoggers on.

CAUTION

n **When the outside rear view mirror defoggers are on (vehicles with outside rear view mirror defoggers)**

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

*: If equipped

NOTICE

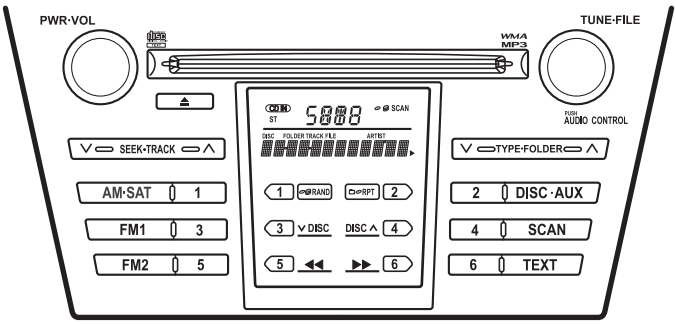
n **To prevent battery discharge**

Do not leave the rear window defogger on longer than necessary when the engine is stopped.

Audio system types

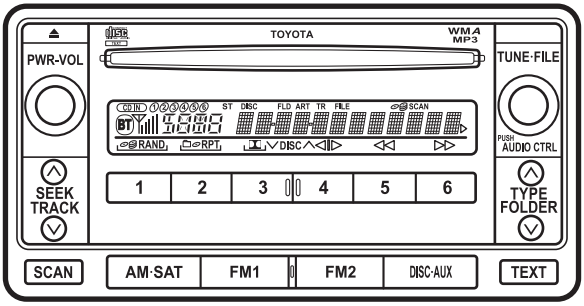
CD player with external CD changer controller and AM/FM radio.

▶Type A



STY32AA011

▶Type B



STY32AA012

Title	Page
Using the radio	P. 175
Using the CD player	P. 181
Playing back MP3 and WMA discs	P. 187
Optimal use of the audio system	P. 194
Using the AUX adapter	P. 196

n 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.

CAUTION

n For vehicles sold in U.S.A. and Canada

l Part 15 of the FCC Rules

FCC Warning:
Any unauthorized changes or modifications to this equipment will void the user's authority to operate this device.

l Laser products

- Do not take this unit apart or attempt to make any changes yourself.
  This is an intricate unit that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

l CAUTION

- This product utilizes a laser.
  Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

NOTICE

n **To prevent battery discharge**

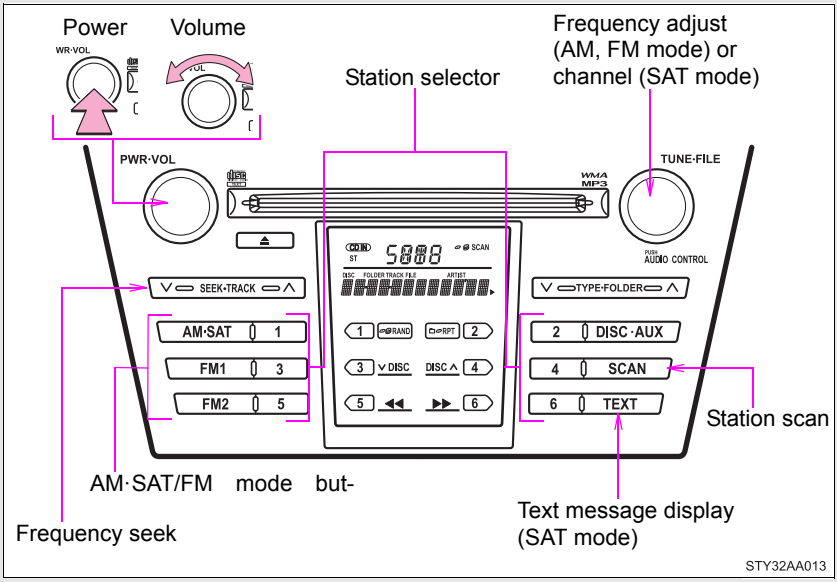
Do not leave the audio system on longer than necessary with the engine off.

n **To avoid damaging the audio system**

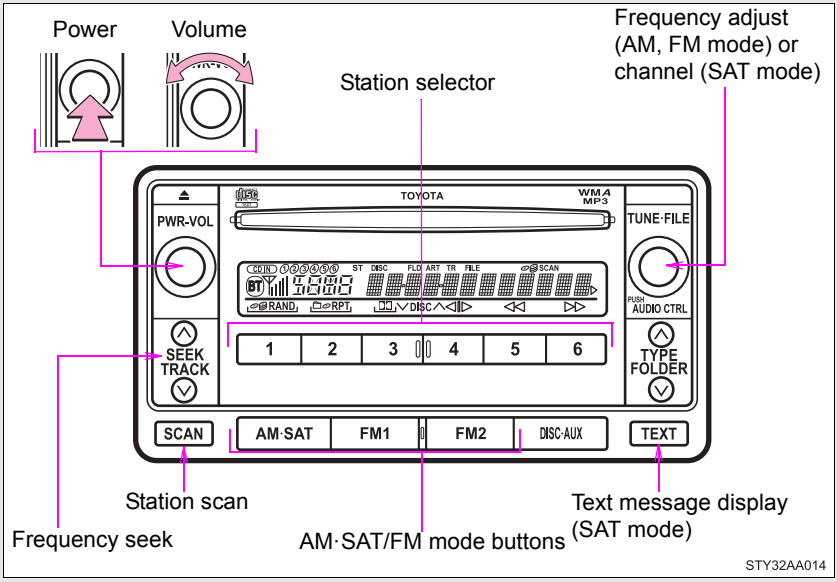
Take care not to spill drinks or other fluids over the audio system.

Using the radio

▶Type A



▶Type B



Setting station presets (excluding XM® Satellite Radio)

STEP 1 Search for desired stations by turning TUNE·FILE or TUNE·FILE or pressing "∧" or "∨" on SEEK·TRACK or SEEK TRACK .

STEP 2 Press and hold the button (from 1 or 1 to 6 or 6) that the station is to be set to until you hear a beep.

Scanning radio stations (excluding XM® Satellite Radio)

Scanning the preset radio stations

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

Preset stations will be played for 5 seconds each.

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

Scanning all radio stations within range

STEP 1 Press SCAN or SCAN .

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

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

XM® Satellite Radio* (if equipped)

Receiving XM® Satellite Radio

STEP 1 Press AM·SAT or AM·SAT and select the XM® band.

The display changes as follows each time AM·SAT or AM·SAT is pressed.

AM → SAT1 → SAT2 → SAT3

STEP 2 Turn TUNE-FILE or TUNE-FILE to select the desired channel in the all categories or press "∧" or "∨" on SEEK-TRACK or SEEK TRACK to select the desired channel in the current category.

n **Setting XM® Satellite Radio channel presets**

Select the desired channel. Press and hold the button (from 1 or 1 to 6 or 6) that the channel is to be set to until you hear a beep.

n **Changing the channel category**

Press "∧" or "∨" on the TYPE-FOLDER or TYPE FOLDER .

n **Scanning XM® Satellite Radio channels**

l Scanning channels in the current category

STEP 1 Press SCAN or SCAN .

STEP 2 When the desired channel is reached, press SCAN or SCAN again.

l Scanning preset channels

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

STEP 2 When the desired channel is reached, press SCAN or SCAN again.

n **Displaying text information**

Press TEXT or TEXT .

The display will show up to 10 characters.

The display changes as follows each time the button is pressed.

l CH NAME

l TITLE (SONG/PROGRAM TITLE)

l NAME (ARTIST NAME/FEATURE)

l CH NUMBER

*: Use of XM® Satellite Radio requires XM® tuner and service. Contact your Toyota dealer.

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.
- 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.

XM® Satellite Radio

An XM® Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous states and 10 Canadian provinces.

- XM® subscriptions
  For detailed information about XM® Satellite Radio or to subscribe:

  U.S.A.—
  Visit on the web at www.xmradio.com or call 1-800-967-2346.

  Canada—
  Visit on the web at www.xmradio.ca or call 1-877-438-9677.
- Radio ID
  You will need the radio ID when activating XM® service or reporting a problem. Select “CH000” using

  or

  , and the receiver’s 8-character ID number will appear.
- Satellite tuner
  The tuner supports only Audio Services (Music and Talk) and the accompanying Text Information of XM® Satellite Radio.

n If the satellite radio does not operate normally

If a problem occurs with the XM® tuner, a message will appear on the display. Refer to the table below to identify the problem, and take the suggested corrective action.

ANTENNA	The XM® antenna is not connected. Check whether the XM® antenna cable is attached securely.
	There is a short-circuit in the antenna or the surrounding antenna cable. See a Toyota certified dealer.
UPDATING	You have not subscribed to the XM® Satellite Radio. The radio is being updated with the latest encryption code. Contact the XM® Satellite Radio for subscription information. When a contract is canceled, you can choose the “CH000” and all free-to-air channels.
	The premium channel you selected is not authorized. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel. If you want to listen to the premium channel, contact the XM® Satellite Radio.
NO SIGNAL	The XM® signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
LOADING	The unit is acquiring audio or program information. Wait until the unit has received the information.
OFF AIR	The channel you selected is not broadcasting any programming. Select another channel.
-----	There is no song/program title or artist name/feature associated with the channel at that time. No action needed.

---	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel.

Contact the XM® Listener Care Center at 1-800-967-2346 (U.S.A.) or 1-877-438-9677 (Canada).

n Certifications for the radio tuner

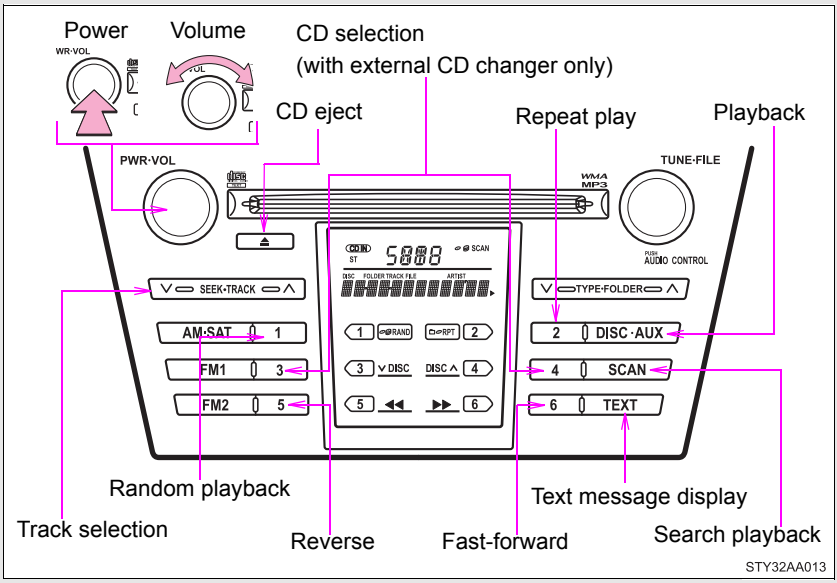
This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by trying one or more of the following:

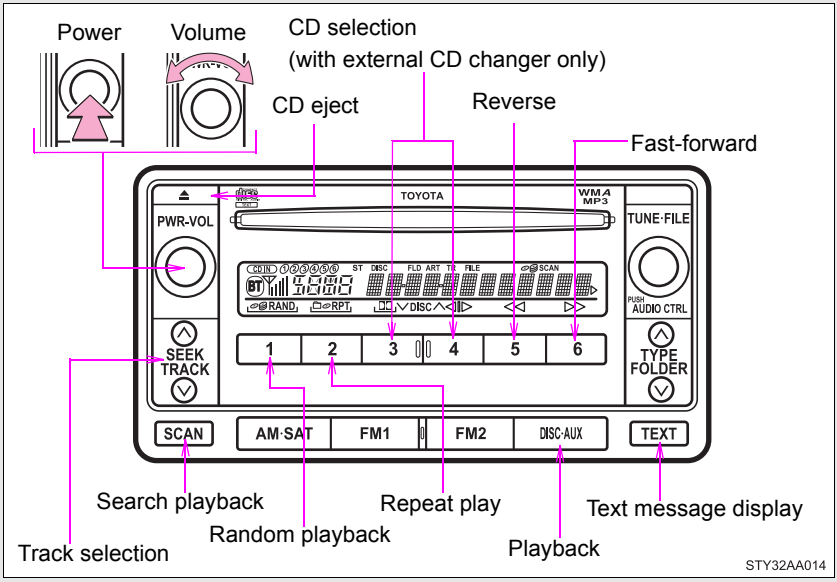
- Reorienting or relocate the receiving antenna.
- Increasing the separation between the equipment and receiver.
- Connecting the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consulting the dealer or an experienced radio/TV technician for help.

Using the CD player

▶Type A



▶Type B



Loading a CD

Insert a CD.

Ejecting a CD

Press ⏏ or ⏏ and remove the CD.

Selecting and scanning a track

n Selecting a track

Press "∧" to move up or "∨" to move down using ∨ SEEK-TRACK ∧ or SEEK TRACK until the desired track number is displayed.

n Scanning tracks

STEP 1 Press SCAN or SCAN .

The first 10 seconds of each track will be played.

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

Fast-forwarding and reversing tracks

To fast-forward or reverse.

Type A: Press and hold 6 (▶▶) or 5 (◀◀).

Type B: Press and hold 6 (▶▶) or 5 (◀◀).

Selecting a CD (with external CD changer only)

n Selecting the desired CD

Type A: Press 3 (∨) or 4 (∧).

Type B: Press 3 (∨) or 4 (∧).

n Scanning loaded CDs

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

The first 10 seconds of the first track on each CD will be played.

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

Repeat play

n Repeating a track

Press 2 (RPT) or 2 (RPT).

n Repeating all of the tracks on a CD (with external CD changer only)

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

Random playback

n Current CD

Press 1 (RAND) or 1 (RAND).

Tracks are played in a random order until the button is pressed once more.

n All CDs (with external CD changer only)

Press and hold 1 (RAND) or 1 (RAND) until you hear a beep.

Tracks on all loaded CDs are played in a random order until the button is pressed once more.

Switching the display

Press TEXT or TEXT .

Each time the switch is pressed, the display changes in the order of Track no./Elapsed time→CD title→Track name.

n **Display**

Up to 12 characters can be displayed at a time.

If there are 13 characters or more, pressing and holding TEXT or TEXT for 1 second or more will display the remaining characters.
A maximum of 24 characters can be displayed.

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

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

n **Canceling random playback**

Press 1 (RAND) or 1 (RAND) again.

n **Canceling repeat play**

Press 2 (RPT) or 2 (RPT) again.

n **Error messages**

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

n **Discs that can be used**

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

CDs with copy-protect features may not be used.

n **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.

n **If CDs are left inside the CD player or in the ejected position for extended periods**

CDs may be damaged and may not play properly.

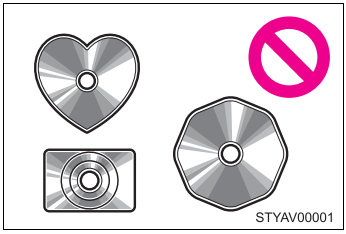
n **Lens cleaners**

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

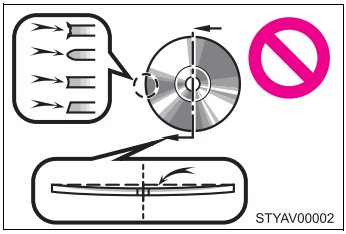
NOTICE

CDs and adapters that cannot be used

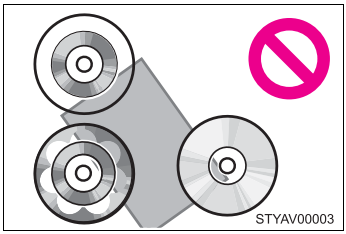
Do not use the following types of CDs or 3 in. (8 cm) CD adapters or Dual Disc.
Doing so may damage the CD player and/or the CD insert/eject function.



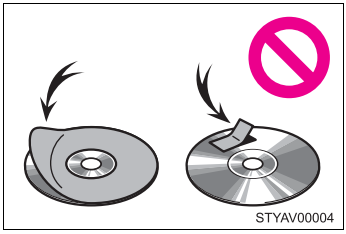
- CDs that have a diameter that is not 4.7 in. (12 cm)



- Low-quality and deformed CDs



- CDs with a transparent or translucent recording area



- CDs that have had tape, stickers or CD-R labels attached to them, or that have had the label peeled off

NOTICE

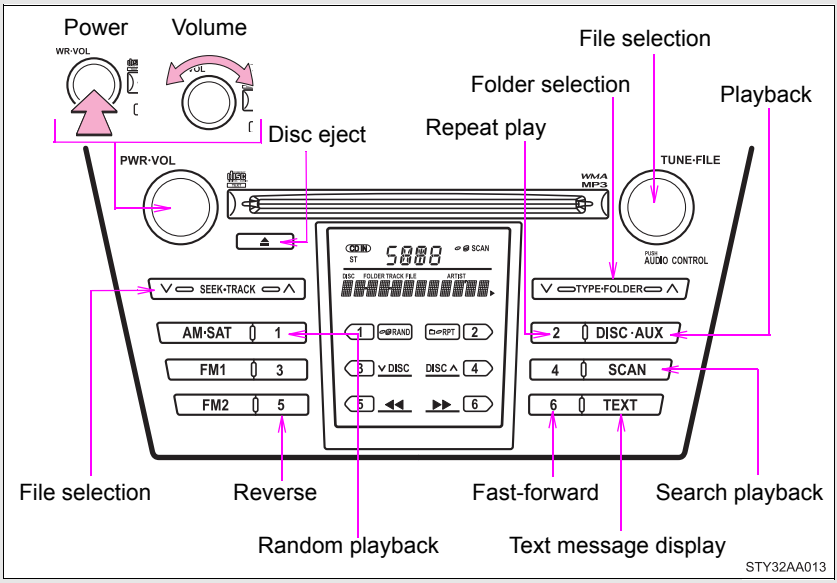
n **CD player precautions**

Failure to follow the precautions below may result in serious damage to the CDs or the player itself.

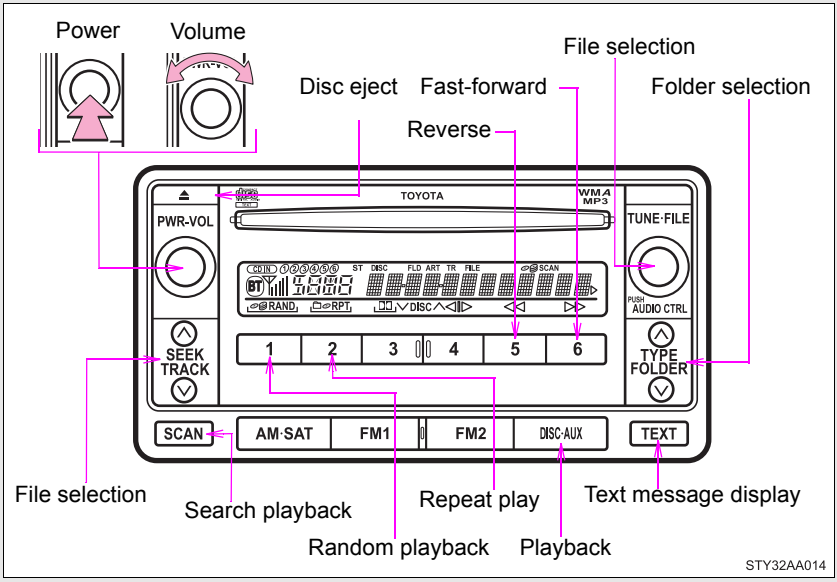
- Do not insert anything other than CDs into the CD slot.
- Do not apply oil to the CD player.
- Store CDs away from direct sunlight.
- Never try to disassemble any part of the CD player.

Playing back MP3 and WMA discs

▶Type A



▶Type B



Loading MP3 and WMA disc

Insert a disc.

Ejecting MP3 and WMA disc

Press ⏏ or ⏏ and remove the disc.

Selecting a folder

n Selecting folders one at a time

To select the desired folder, press "∧" or "∨" on ∨ TYPE·FOLDER ∧ or TYPE FOLDER.

n Selecting the desired folder by cueing the first file of each folder

Press and hold SCAN or SCAN until you hear a beep.

The first 10 seconds of the first file in the each folder will be played.

When the desired folder is reached, press the switch once again.

n Returning to the first folder

Press and hold "∨" on ∨ TYPE·FOLDER ∧ or TYPE FOLDER until you hear a beep.

Selecting and scanning files

n Selecting one file at a time

To select the desired file, turn TUNE·FILE or TUNE·FILE AUDIO CTRL or press "∧" or "∨" on ∨ SEEK·TRACK ∧ or SEEK TRACK.

Scanning the desired file by cueing the files in the folder

Press SCAN or SCAN .

The first 10 seconds of all files in the folder will be played.

When the desired file is reached, press the switch once again.

Fast-forwarding and reversing files

To fast-forward or reverse.

Type A: Press and hold 6 (▶▶) or 5 (◀◀).

Type B: Press and hold 6 (▶▶) or 5 (◀◀).

Repeat play

Repeating a track

Press 2 (RPT) or 2 (RPT).

Repeating all of the files in the folder

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

Random playback

To play files from a particular folder in random order

Press 1 (RAND) or 1 (RAND).

To play all of the files on a disc in random order

Press and hold 1 (RAND) or 1 (RAND) until you hear a beep.

Switching the display

Press TEXT or TEXT .

Each time the switch is pressed, the display changes in the order of Folder no./File no./Elapsed time→Folder name→File name→Album title (MP3 only)→Track title→Artist name.

n Display

Up to 12 characters can be displayed at a time.

If there are 13 characters or more, pressing and holding TEXT or TEXT for 1 second or more will display the remaining characters.
A maximum of 24 characters can be displayed.

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

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

n Canceling random playback

Press 1 (RAND) or 1 (RAND) again.

n Canceling repeat play

Press 2 (RPT) or 2 (RPT) again.

n Error messages

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

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

n 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.

n 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.

n If CDs are left inside the CD player or in the ejected position for extended periods

CDs may be damaged and may not play properly.

n Lens cleaners

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

n 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 TM 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.

l 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

l 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)

l 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 and 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.

l 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.

l 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.

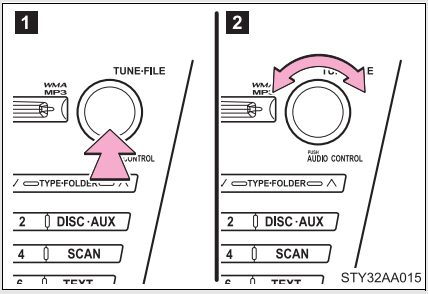
NOTICE

n **CDs and adapters that cannot be used (→P. 185)**

n **CD player precautions (→P. 186)**

Optimal use of the audio system

▶Type A



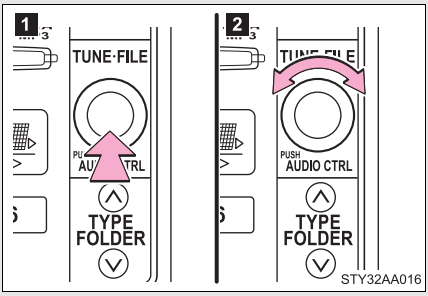
1 Displays the current mode

2 Changes the following setting

Sound quality and volume balance (→P. 195)

The sound quality and balance setting can be changed to produce the best sound.

▶Type B



Using the AUDIO CONTROL function

n Changing sound quality modes

Pressing or selects the mode to be changed in the following order.

BAS → TRE → FAD → BAL → ASL*

*: Type B only

n Adjusting sound quality

Turning

or

adjusts the level.

Sound quality mode	Mode displayed	Level	Turn to the left	Turn to the right
Bass	BAS	-5 to 5	Low	High
Treble	TRE	-5 to 5		
Front/rear volume balance	FAD	R7 to F7	Shifts to rear	Shifts to front
Left/right volume balance	BAL	L7 to R7	Shifts to left	Shifts to right

n Adjusting the Automatic Sound Levelizer (ASL) (Type B only)

When “ASL” is selected, turning

to the right changes the “ASL” level 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.

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n Trademark owned by SRS Labs, Inc.

The audio systems utilize SRS FOCUS® and SRS TruBass® audio enhancement technologies, under license from SRS Labs, Inc., in all modes except AM radio mode.

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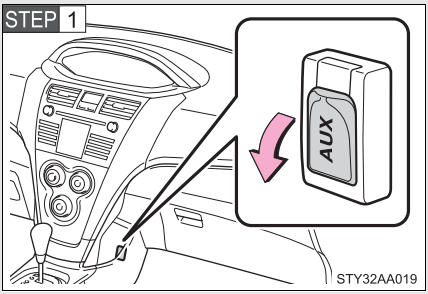
FOCUS and TruBass technologies are incorporated under license from SRS Labs, Inc.

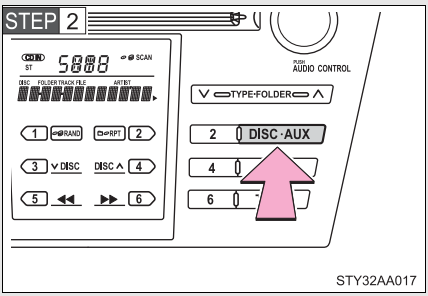
Using the AUX adapter*

This adapter can be used to connect a portable audio device and listen to it through the vehicle's speakers.



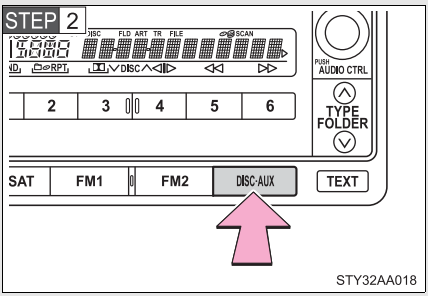
Connect the portable audio device.

▶Type A



Press DISC·AUX.

▶Type B



Press DISC·AUX.

*: If equipped

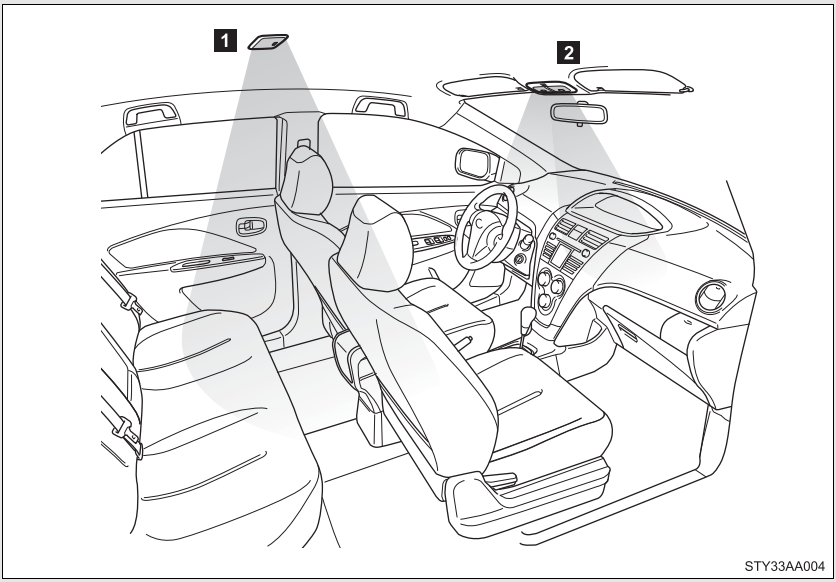
n Operating portable audio devices connected to the audio system

The volume can be adjusted using the vehicle's audio controls. All other adjustments must be made on the portable audio device itself.

n When using a portable audio device connected to the power outlet or cigarette lighter

Noise may occur during playback. Use the power source of the portable audio device.

Interior lights list



1 Interior light (→P. 199)

2 Personal lights (→P. 199)

n **Illuminated entry system**

When the interior light switch is in the DOOR position, the interior light automatically turns on/off according to whether the doors are locked/unlocked and whether the doors are open/closed and the engine switch position.

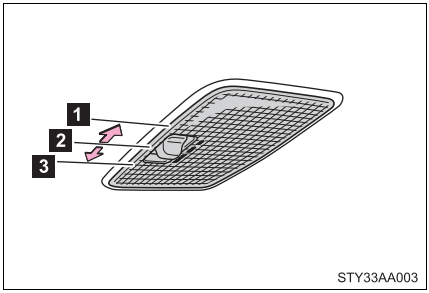
n **To prevent the battery from being discharged**

If the interior light remains on when the door is not fully closed and the interior light switch is in the DOOR position, the light will go off automatically after 20 minutes.

n **Customization that can be configured at Toyota dealer**

Settings (e.g. The time elapsed before lights turn off) can be changed. (Customizable features →P. 359)

Interior light

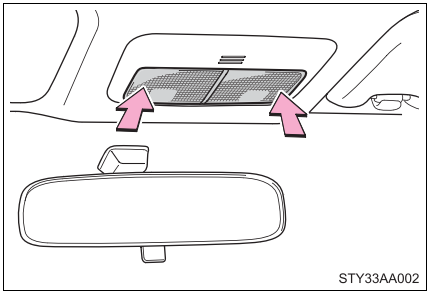


1 ON

2 OFF

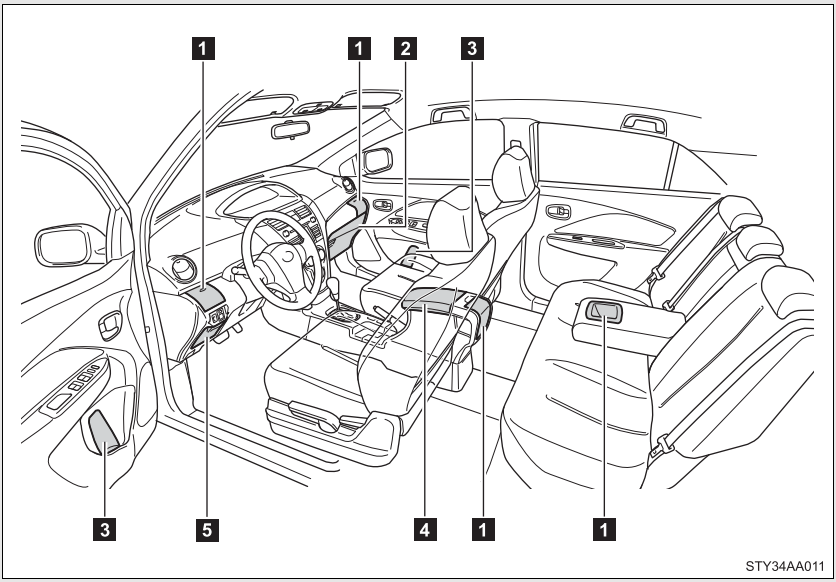
3 DOOR position

Personal lights



On/off

List of storage features



1 Cup holders

2 Glove box

3 Bottle holders

4 Console box

5 Auxiliary box

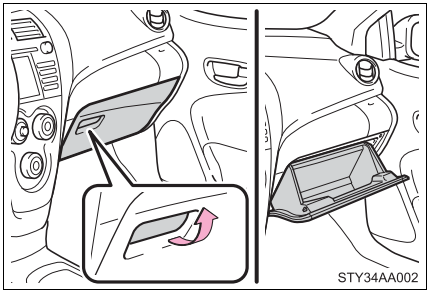
CAUTION

n Items that should not be left in the storage spaces

Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:

- Glasses may be deformed by heat or cracked if they come into contact with other stored items.
- Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.

Glove box



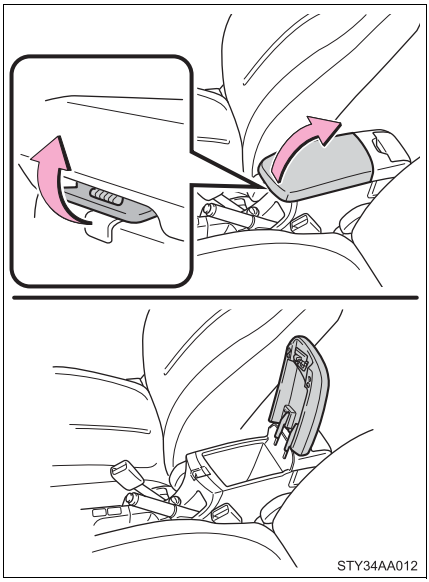
Pull up the lever.

CAUTION

n Caution while driving

Keep the glove box closed.
Injuries may result in the event of an accident or sudden braking.

Console box



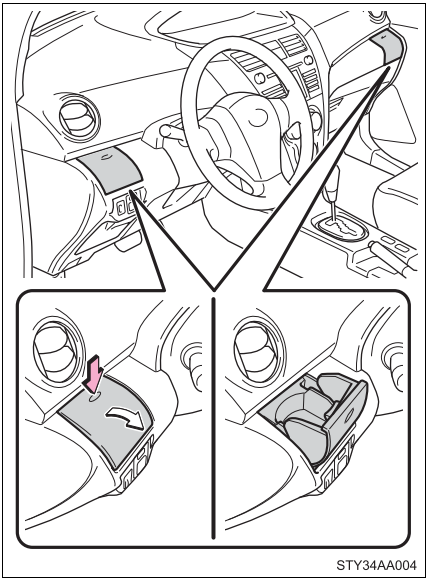
Lift the lid while pulling the lever.

CAUTION

n Caution while driving

Keep the console box closed.
Injuries may result in the event of an accident or sudden braking.

Cup holders (front)



Push on the lid.

CAUTION

n Items unsuitable for the cup holder

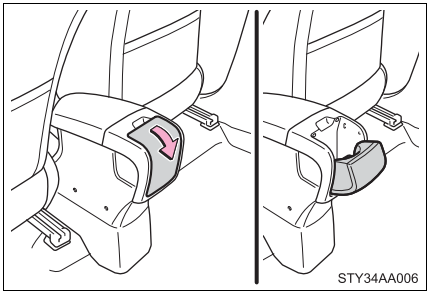
Do not place anything other than cups or aluminum cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

n When not in use

Keep the cup holders closed.
Injuries may result in the event of an accident or sudden braking.

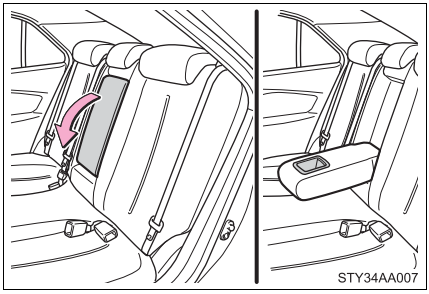
Cup holders (rear)

▶Type A



Pull the lid down.

▶Type B (if equipped)



Pull the armrest down.

⚠ CAUTION

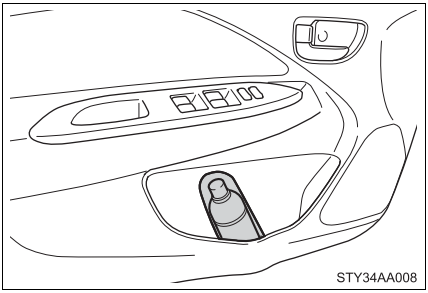
n Items unsuitable for the cup holder

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.

n When not in use

Keep the cup holders closed.
Injuries may result in the event of an accident or sudden braking.

Bottle holders



n **Bottle holders**

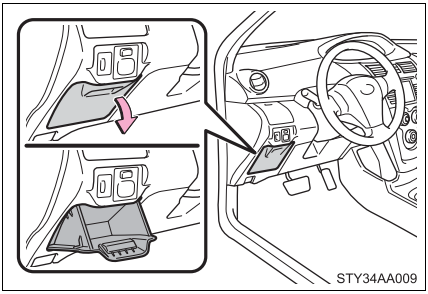
Depending on their size or shape, some bottles may not fit in the holders.

NOTICE

n **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.

Auxiliary box



Pull the lid down.

CAUTION

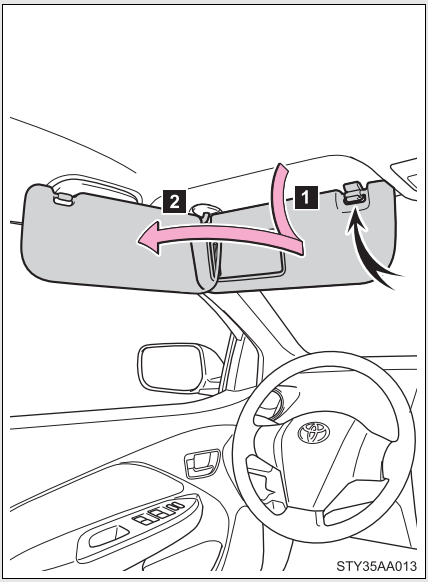
n Caution while driving

Keep the auxiliary box closed.
Injuries may result in the event of an accident or sudden braking.

n When use the auxiliary box

Do not use the auxiliary box as an ashtray.

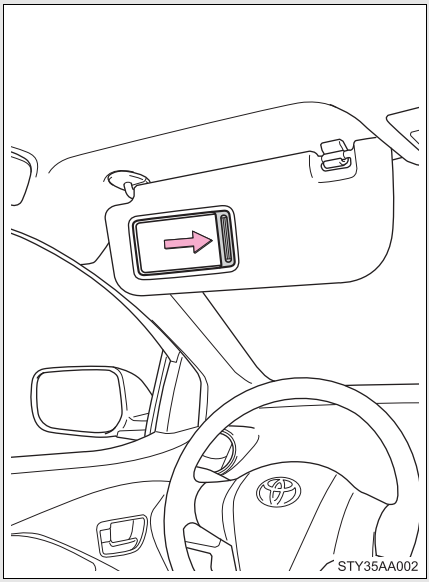
Sun visors



1 Forward position:
Flip down.

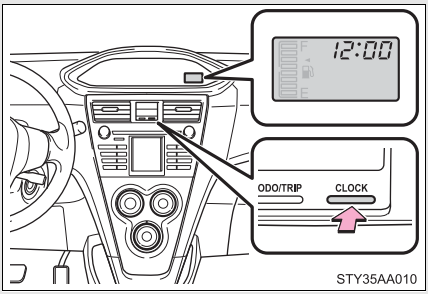
2 Side position:
Flip down, unhook, and swing to the side.

Vanity mirrors



Slide the cover.

Clock



STEP 1 Press and hold the CLOCK button to enter the adjustment mode for the clock.

STEP 2 Press the CLOCK button to adjust the hours.

After adjusting the hours, wait 5 seconds to allow the hours to be automatically input.

STEP 3 Press the CLOCK button to adjust the minutes.

After adjusting the minutes, wait 5 seconds to allow the minutes to be automatically input and then return to normal mode.

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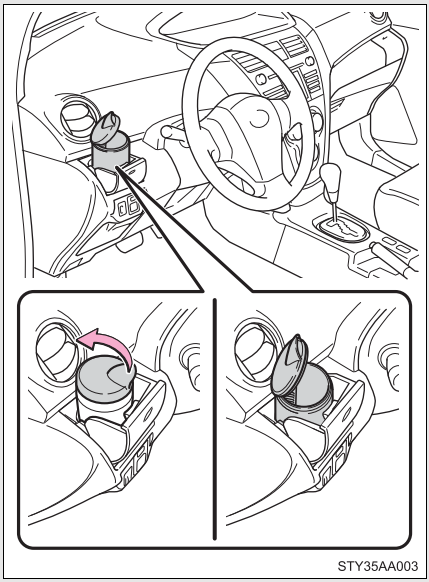
n **The clock is displayed when**

The engine switch is in the ON position.

n **When disconnecting and reconnecting battery terminals**

The time display will automatically be set to 1:00.

Portable ashtray*



The ashtray can be installed in a cup holder. (→P. 202)

CAUTION

n When not in use

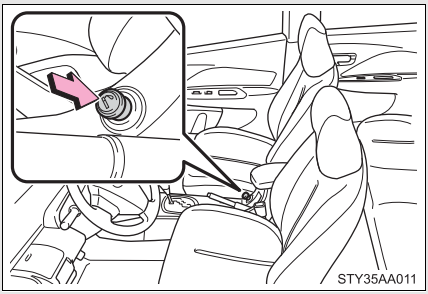
Keep the ashtray closed.
Injuries may result in the event of emergency braking, sudden swerving or an accident.

n 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.

*: If equipped

Cigarette lighter*



Push the cigarette lighter down.

The cigarette lighter will pop up when it is ready for use.

n **The cigarette lighter can be used when**

The engine switch is in the ACC or ON position.

CAUTION

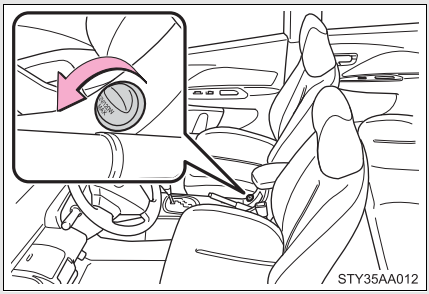
n **To avoid burns or fires**

- 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.

*: If equipped

Power outlet*

The power outlet can be used for 12 V accessories that run on less than 10 A.



n **The power outlet can be used when**

The engine switch is in the ACC or ON position.

NOTICE

n **To avoid damaging the power outlet**

Close the power outlet lid when the power outlet is not in use.
Foreign objects or liquids that enter the power outlet may cause a short circuit.

n **To prevent the fuse from being blown**

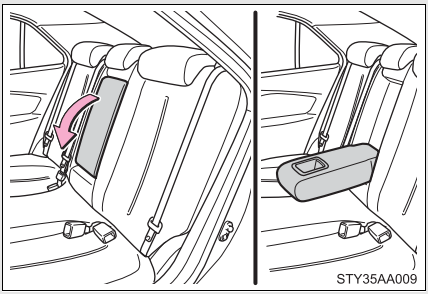
Do not use an accessory that uses more than 12 V 10 A.

n **To prevent the battery from being discharged**

Do not use the power outlet longer than necessary when the engine is not running.

*: If equipped

Armrest*



Pull the armrest down for use.

NOTICE

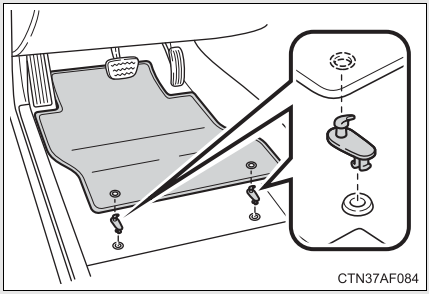
n **To prevent damage to the armrest**

Do not place too much strain on the armrest.

*: If equipped

Floor mat

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



Fix the floor mat in place using the retaining hooks (clips) provided.

For details, refer to the floor mat retention clip installation instructions supplied with the clips.

CAUTION

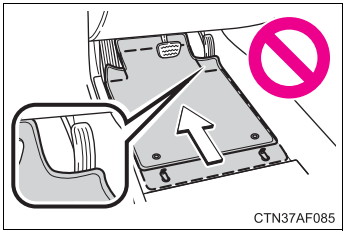
Observe the following precautions.
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle, leading to a serious accident.

n 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.

CAUTION

n Before driving



- Check that the floor mat is securely fixed in the right 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 (automatic transmission) or N (manual transmission), fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

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 back before washing the vehicle.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.

High pressure car washes

Do not allow the nozzles of the car wash to come within close proximity of the windows. Before entering an automatic car wash, check that the fuel filler door on your vehicle is closed properly.

Aluminum wheels (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.

NOTICE

To prevent paint deterioration and corrosion on the body and components (aluminum wheels etc.)

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If you see coal tar or tree sap on the paint surface
  - If you see dead insects 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.

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.

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 and ventilated area.

n 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.

n Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not apply water. The excellent results are obtained when keeping the carpet as dry as possible.

n 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

n Water in the vehicle

- Do not splash or spill liquid in the vehicle. Doing so may cause the electrical components etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P. 70)

  Electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or severe injury.

n 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

- Do not use glass cleaner to clean the rear window, as this may cause damage to the rear window defogger heater wires or antenna. Use a cloth dampened with lukewarm water to gently wipe the window clean. Wipe the window in strokes running parallel to the heater wires or antenna.
- Be careful not to scratch or damage the heater wires or antenna.

Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance is essential. It is the owner's responsibility to perform regular checks. Toyota recommends the following maintenance.

n General maintenance

Should be performed on a daily basis. This can be done by yourself or by a Toyota dealer.

n Scheduled maintenance

Should be performed at specified intervals according to the maintenance schedule.

For details about maintenance items and schedules, refer to the "Scheduled Maintenance Guide" or "Owner's Manual Supplement".

n Do-it-yourself maintenance

You can perform some maintenance procedures yourself.
Please be aware that do-it-yourself maintenance may affect warranty coverage.

The use of Toyota Repair Manuals is recommended.

For details about warranty coverage, see the separate "Owner's Warranty Information Booklet", "Owner's Manual Supplement".

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n Repair and replacement

It is recommended that genuine Toyota parts be used for repair to ensure performance of each system. If non-Toyota parts are used in replacement or if a repair shop other than Toyota dealer performs repairs, confirm the warranty coverage.

n Allow inspection and repairs to be performed by a Toyota dealer

- Toyota technicians are well-trained specialists and are kept up to date with the latest service information. They are well informed about the operations of all systems on your vehicle.
- Keep a copy of the repair order. It proves that the maintenance that has been performed is under warranty coverage. If any problem should arise while your vehicle is under warranty, your Toyota dealer will promptly take care of it.

CAUTION

n Warning in handling of battery

- Engine exhaust, some of its constituents, and a wide variety of automobile components contain or emit chemicals known to the State of California to cause cancer and birth defects and other reproductive harm. Work in a well ventilated area.
- Oils, fuels and fluids contained in vehicles as well as waste produced by component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Avoid exposure and wash any affected area immediately.
- Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 242)

General maintenance

Listed below are the general maintenance items that should be performed at the intervals specified in the "Scheduled Maintenance Guide" or "Owner's Manual Supplement". It is recommended that any problem you notice should be brought to the attention of your Toyota dealer or qualified service shop for advice.

Engine compartment

Items	Check points
Battery	Maintenance-free. (→P. 242)
Brake fluid	At the correct level? (→P. 240)
Engine coolant	At the correct level? (→P. 239)
Engine oil	At the correct level? (→P. 235)
Exhaust system	No fumes or strange sounds?
Radiator/condenser/hoses	Not blocked with foreign matter? (→P. 240)
Washer fluid	At the correct level? (→P. 244)

Vehicle interior

Items	Check points
Accelerator pedal	• Moves smoothly (without uneven pedal effort or catching)?
Automatic transmission “Park” mechanism	• Can the vehicle be hold securely on an incline with the shift lever in P?
Brake pedal	• Moves smoothly? • Does it have appropriate clearance and correct amount of free play?
Brakes	• Not pull to one side when applied? • Loss of brake effectiveness? • Spongy feeling brake pedal? • Pedal almost touches floor?
Clutch pedal	• Moves smoothly? • Does it have correct amount of free play?
Head restraints	• Move smoothly and lock securely?
Indicators/buzzers	• Function properly?
Lights	• Do all the lights come on? • Headlights aimed correctly?
Parking brake	• Moves smoothly? • Can hold the vehicle securely on an incline?
Seat belts	• Does the seat belt system operate smoothly? • Are the belts undamaged?
Seats	• Do the seat controls operate properly?

Items	Check points
Steering wheel	• Moves smoothly? • Has correct free play? • No strange noises?

Vehicle exterior

Items	Check points
Doors/trunk	• Operate smoothly?
Engine hood	• The lock system works properly?
Fluid leaks	• Is there any leakage after parking?
Tire	• Inflation pressure is correct? • Tire surfaces not worn or damaged? • Tires rotated according to the maintenance schedule? • Wheel nuts are not loose?

CAUTION

n **If the engine is running**

Turn the engine off and ensure that there is adequate ventilation before performing maintenance checks.

Emission inspection and maintenance (I/M) programs

Some states have vehicle emission inspection programs which include OBD (On Board Diagnostics) checks. The OBD system monitors the operation of the emission control system.

- **If the malfunction indicator lamp comes on**

  The OBD system determines that a problem exists somewhere in the emission control system. Your vehicle may not pass the I/M test and may need to be repaired. Contact your Toyota dealer to service the vehicle.

- **Your vehicle may not pass the I/M test:**

  - When the battery is disconnected or discharged

    Readiness codes that are set during ordinary driving are erased.
    Also, depending on your driving habits, the readiness codes may not be completely set.

  - When the fuel tank cap is loose

    The malfunction indicator lamp comes on as a temporary malfunction and your vehicle may not pass the I/M test.

- **When the malfunction indicator lamp goes off after several driving trips**

  The error code in the OBD system will not be cleared unless the vehicle is driven 40 or more times.

- **If your vehicle does not pass the I/M test**

  Contact your Toyota dealer to prepare the vehicle for re-testing.

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. 242)	• Warm water • Baking soda • Grease • Conventional wrench (for terminal clamp bolts)
Brake fluid level (→P. 240)	• FMVSS No.116 DOT 3 or SAE J1703 brake fluid • Rag or paper towel
Engine coolant level (→P. 239)	• “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. Except Canada: “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. Canada: “Toyota Super Long Life Coolant” is pre-mixed with 55% coolant and 45% deionized water. • Funnel (used only for adding engine coolant)
Engine oil level (→P. 235)	• Toyota Genuine Motor Oil or equivalent • Rag or paper towel • Funnel (used only for adding oil)
Fuses (→P. 263)	• Fuse with same amperage rating as original

Items	Parts and tools
Light bulbs (→P. 274)	• Bulb with same number and wattage rating as original • Flathead screw driver
Radiator and condenser (→P. 240)	—
Tire inflation pressure (→P. 252)	• Tire pressure gauge • Compressed air source
Washer fluid (→P. 244)	• Water • Washer fluid containing antifreeze (for winter use) • Funnel (used only for adding washer fluid)

CAUTION

The engine compartment contains many mechanisms and fluids that may move suddenly, become hot, or become electrically energized. To avoid death or serious injury observe the following precautions.

When working on the engine compartment

- Keep hands, clothing, and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper or rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.
- Be extremely cautious when working on the battery. It contains poisonous and corrosive sulfuric acid.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces.
  If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.

  If you still experience discomfort, see a doctor.

When working near the electric cooling fan or radiator grille

Be sure the engine switch is off.
With the engine switch on, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high.

Safety glasses

Wear safety glasses to prevent flying or falling material, fluid spray, etc. from getting in the eyes.

NOTICE

n **If you remove the air cleaner**

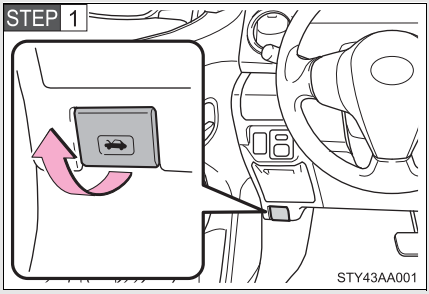
Driving with the air cleaner removed may cause excessive engine wear due to dirt in the air. Also a backfire could cause a fire in the engine compartment.

n **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.

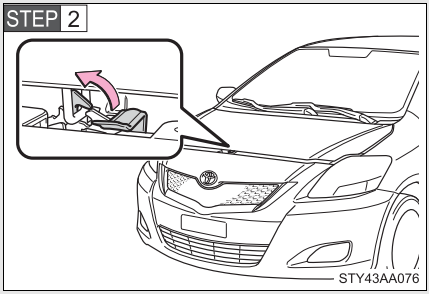
Hood

Release the lock from the inside of the vehicle to open the hood.

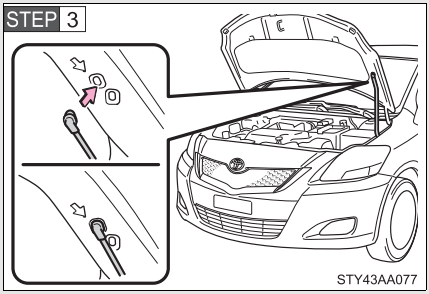


Pull the hood release lever.

The hood will pop up slightly.



Pull up the hood catch lever and lift the hood.



Hold the hood open by inserting the supporting rod into the slot.

CAUTION

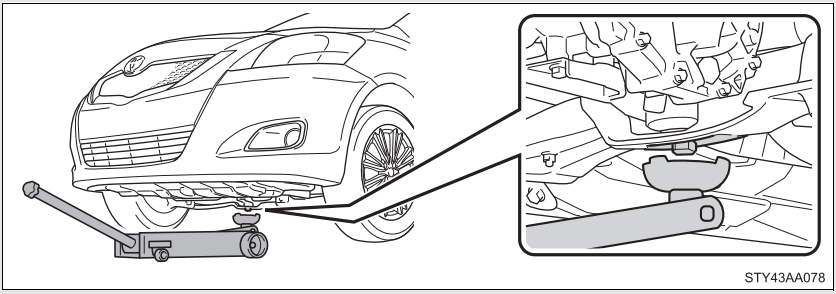
n **Pre-driving check**

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.

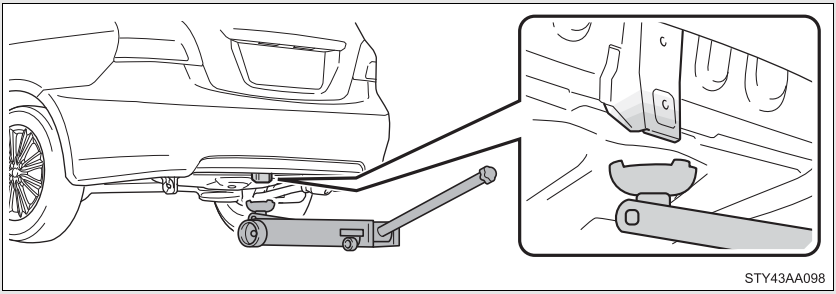
Positioning a floor jack

When raising your vehicle with a floor jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

n Front



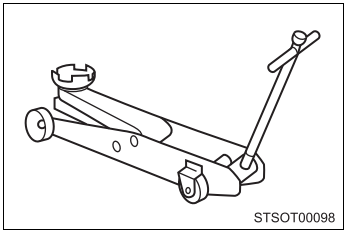
n Rear



CAUTION

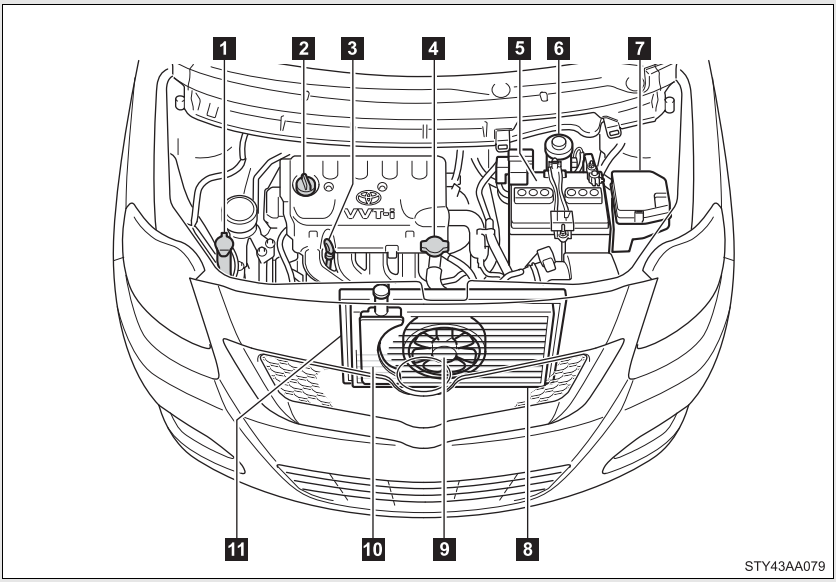
When raising your vehicle

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 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 (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



1 Washer fluid tank (→P. 244)

2 Engine oil filler cap (→P. 235)

3 Engine oil level dipstick (→P. 235)

4 Radiator cap

5 Battery (→P. 242)

6 Brake fluid reservoir (→P. 240)

7 Fuse box (→P. 263)

8 Condenser (→P. 240)

9 Electric cooling fan

10 Engine coolant reservoir (→P. 239)

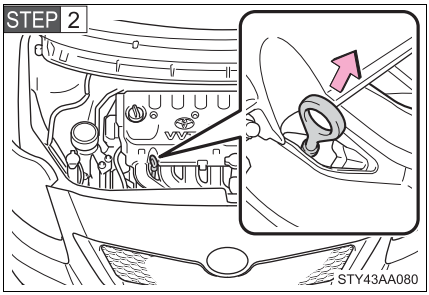
11 Radiator (→P. 240)

Engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

n Checking the engine oil

STEP 1 Park the vehicle on level ground. After turning off the engine, wait more than 5 minutes for the oil to drain back into the bottom of the engine.



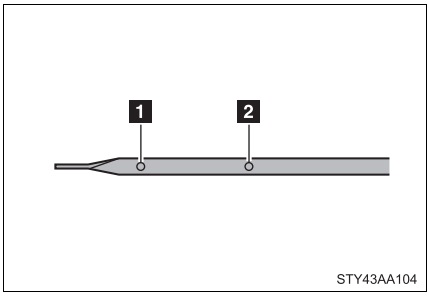
Hold a rag under the end and pull the dipstick out.

STEP 3 Wipe the dipstick clean.

STEP 4 Reinsert the dipstick fully.

STEP 5 Holding a rag under the end, pull the dipstick out and check the oil level.

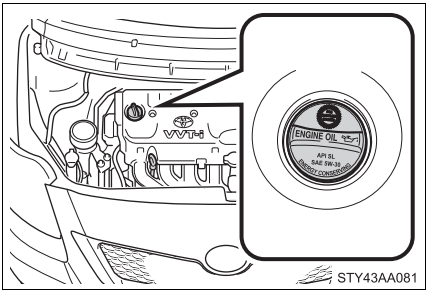
STEP 6 Wipe the dipstick and reinsert it fully.



1 Low

2 Full

n 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. 336
Items	Clean funnel

STEP 1 Remove the oil filler cap, turning it counterclockwise.

STEP 2 Add engine oil slowly.

STEP 3 Checking the dipstick.

STEP 4 Reinstall the filler cap, turning it clockwise.

The approximate quantity of oil needed to raise the level between low and full on the dipstick is indicated as follows:

1.6 qt. (1.5 L, 1.3 Imp. qt.)

Engine oil consumption

- The amount of engine oil consumed depends on the oil viscosity, the quality of the oil and the way the vehicle is driven.
- More oil is consumed under driving conditions such as high speeds and frequent acceleration and deceleration.
- A new engine consumes more oil.
- When judging the amount of oil consumption, keep in mind that the oil may have become diluted, making it difficult to judge the true level accurately.
- Oil consumption: Max. 1.1 qt./600 miles, 0.9 Imp.qt./600 miles (1.0 L per 1000 km)
- If you consume more than 1.1 qt. (1.0 L, 0.9 Imp.qt.) every 600 miles (1000 km), contact your Toyota dealer.

After changing the engine oil (except Canada)

The oil change system should be reset. Perform the following procedures:

STEP 1 Turn the engine switch off with the Trip A reading shown.(→P. 121)

STEP 2 Turn the engine switch to the ON position while holding down the ODO/TRIP button.

STEP 3 Continue to press and hold the button until the trip meter displays 000000.

If the system fails to reset, the light will continue flashing.

CAUTION

Used engine oil

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation or skin cancer, so care should be taken to avoid prolonged and repeated contact. To remove used engine oil from your skin, wash thoroughly with soap and water.
- Dispose of used oil and filters only in a safe and acceptable manner. Do not dispose of used oil and filters in household trash, in sewers or onto the ground. Call your Toyota dealer, service station or auto parts store for information concerning recycling or disposal.
- Do not leave used engine oil within the reach of children.

NOTICE

To prevent serious engine damage

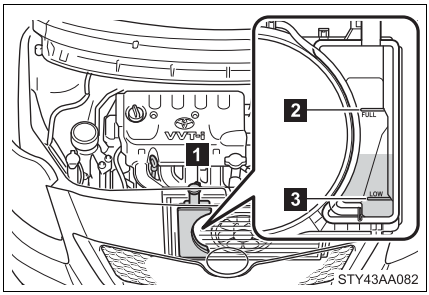
Check the oil level on regular basis.

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.



1 Reservoir cap

2 FULL

3 LOW

If the level is on or below the LOW line, add coolant up to the FULL line.

n **If the coolant level drops within a short time after replenishing**

Visually check the radiator, hoses, reservoir cap, radiator cap, drain cock and water pump.
If you cannot find a leak, have your Toyota dealer pressure test the cap and check for leaks in the cooling system.

n **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.

Except Canada: “Toyota Super Long Life Coolant” is a mixture of 50% coolant and 50% deionized water. (Enabled: -31°F [-35°C])

Canada: “Toyota Super Long Life Coolant” is a mixture of 55% coolant and 45% deionized water. (Enabled: -44°F [-42°C])

For more details about engine coolant, contact your Toyota dealer.

⚠ CAUTION

n **When the engine is hot**

Do not remove the radiator cap.
The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing burns or other injuries.

NOTICE

n **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.

n **If you spill coolant**

Be sure to wash it off with water to prevent damage to parts or paint.

Radiator and condenser

Check the radiator and condenser and clear any foreign objects.
If either of the above parts are extremely dirty or you are not sure of their condition, have your vehicle checked by your Toyota dealer.

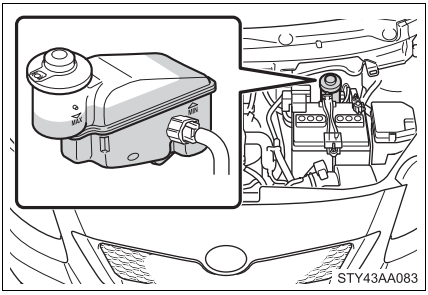
CAUTION

n **When the engine is hot**

Do not touch the radiator or condenser as they may be hot and may cause burns.

Brake fluid

n Checking fluid level



The brake fluid level should be between the MAX and MIN lines on the reservoir.

n Adding fluid

Make sure to check the fluid type and prepare the necessary items.

Fluid type	FMVSS No.116 DOT 3 or SAE J1703 brake fluid

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n Brake fluid can absorb moisture from the air

Excess moisture in the fluid can cause a dangerous loss of braking efficiency. Use only newly opened brake fluid.

CAUTION

n When filling the reservoir

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.

NOTICE

n If the fluid level is low or high

It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.
If the reservoir needs frequent refilling, it may indicate a serious problem.

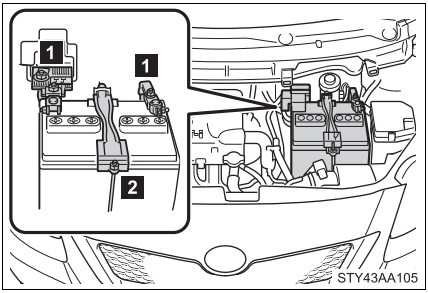
n If you spill fluid

Be sure to wash it off with water to prevent damage to parts or paint.

Battery

n 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

n Before recharging

When recharging, the battery produces hydrogen gas which is flammable and explosive. Therefore, before recharging:

- If recharging with the battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the battery.

CAUTION

Chemicals in the battery

A battery contains poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near battery:

- Do not cause sparks by touching the battery terminals with tools.
- Do not smoke or light a match near the battery.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the battery.
- Keep children away from the battery.

Where to safety charge the battery

Always charge the battery in an open area. Do not charge the battery in a garage or closed room where there is not sufficient ventilation.

How to recharge the battery

Only perform a slow charge (5A or less).
The battery may explode if charged at a quicker rate.

Emergency measures regarding electrolyte

- If electrolyte gets in your eyes
  Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.
- If electrolyte gets on your skin
  Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
  It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
  Drink a large quantity of water or milk. Follow with milk of magnesia, beaten raw egg or vegetable oil. Get emergency medical attention immediately.

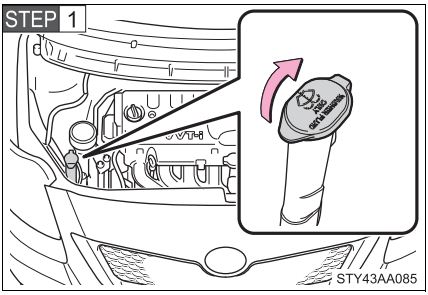
NOTICE

n **When recharging the battery**

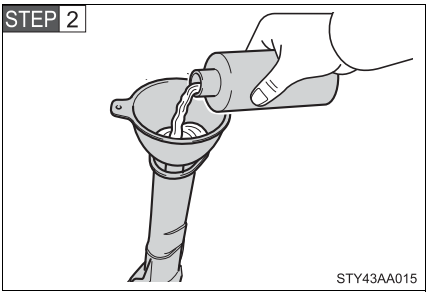
Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

Washer fluid

If any washer does not work or the low washer fluid warning light comes on (if equipped), the washer tank may be empty.



Open the lid.



Add washer fluid.

CAUTION

n **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

n **Do not use any fluid other than washer fluid**

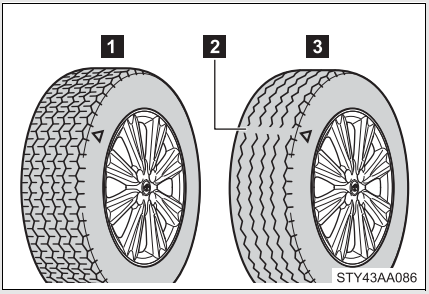
Do not use soapy water or engine antifreeze instead of washer fluid.
Doing so may cause streaking on the vehicle's painted surfaces.

n **Diluting washer fluid**

Dilute washer fluid with water as necessary.
Refer to the freezing temperatures listed on the washer fluid tank.

Replace or rotate tires in accordance with maintenance schedules and treadwear.

n Checking tires



1 New tread

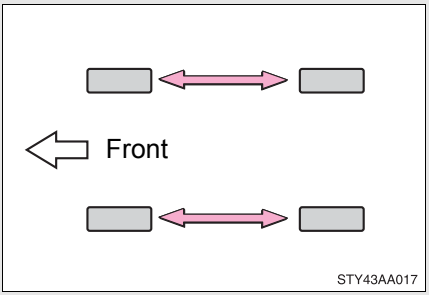
2 Treadwear indicator

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.

n Tire rotation



Rotate the tires in the order shown.

To equalize tire wear and extend tire life, Toyota recommends that tire rotation is carried out at the same interval as tire inspection.

n The tire pressure warning system

Your Toyota is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise.
(→P. 300)

Installing tire pressure warning valves and transmitters

When replacing tires or wheels, tire pressure warning valves and transmitters must also be installed.

When new tire pressure warning valves and transmitters are installed, new tire pressure warning valve and transmitter ID codes must be registered in the tire pressure warning computer and tire pressure warning system must be initialized. Have tire pressure warning valve and transmitter ID codes registered by your Toyota dealer.

Registering ID codes

The tire pressure warning valve and transmitter is equipped with a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID code of tire pressure warning valve and transmitter. Have the ID code registered by your Toyota dealer.

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n **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 your Toyota dealer.

n **Replacing tires and wheels**

If the ID code of the tire pressure warning valve and transmitter is not registered, the tire pressure warning system will not work properly. After driving for about 20 minutes, the tire pressure warning light comes on after blinking for 1 minute to indicate a system malfunction.

n **Tire life**

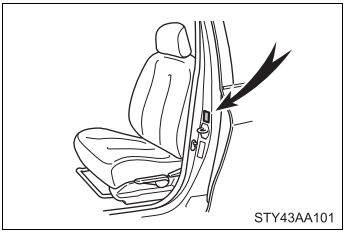
Any tire over 6 years old must be checked by a qualified technician even if they have seldom or never been used or damage is not obvious.

If the tread wears down below 0.16 in. (4 mm) on snow tires

The effectiveness of snow tires is lost.

Maximum load of tire

Check that the maximum load of the replacement tire is greater than 1/2 of the Gross Axle Weight Ratings (GAWR) of either the front axle or the rear axle, whichever is greater.



For the GAWR, see the Certification Label. For the maximum load of the tire, see the load limit at maximum cold tire inflation pressure mentioned on the sidewall of the tire. (→P. 346)

Tire types

1 Summer tires

Summer tires are high-speed performance tires best suited to highway driving under dry conditions. Since summer tires do not have the same traction performance as snow tires, summer tires are inadequate for driving on snow-covered or icy roads. For driving on snow-covered roads or icy roads, the use of snow tires is recommended. When installing snow tires, be sure to replace all four tires.

2 All season tires

All season tires are designed to provide better traction in snow and to be adequate for driving in most winter conditions, as well as for use year round. All season tires, however, do not have adequate traction performance compared with snow tires in heavy or loose snow. Also, all season tires fall short in acceleration and handling performance compared with summer tires in highway driving.

3 Snow tires

For driving on snow-covered roads or icy roads, we recommend using snow tires. If you need snow tires, select tires of the same size, construction and load capacity as the originally installed tires. Since your vehicle has radial tires as original equipment, make sure your snow tires also have radial construction. Do not install studded tires without first checking local regulations for possible restriction. Snow tires should be installed on all wheels. (→P. 148)

n Routine tire inflation pressure checks

The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

n Tire pressure warning system certification

MODEL/FCC IDs:

Transmitter: PAXPMV107J

Receiver: HYQ13BCG

►For vehicles sold in U.S.A.

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

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

CAUTION

n **Tire pressure warning system operation**

The tire pressure warning system may not provide warning immediately if a tire bursts or if sudden air leakage occurs.

n **When inspecting or replacing tires**

Observe the following precautions to prevent accidents. Failure to do so may cause damage to parts of the drive train, as well as dangerous handling characteristics, which may lead to an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns.
  Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and winter tires.
- Do not use tires that have been used on another vehicle.
- Do not use tires if you do not know how they were used previously.

NOTICE

- **Repairing or replacing tires, wheels, tire pressure warning valves and transmitters and tire valve caps**
  - When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Toyota dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.
  - When replacing tire valve caps, do not use tire valve caps other than those specified. The cap may become stuck.
- **To avoid damaging the tire pressure warning valves and transmitters**

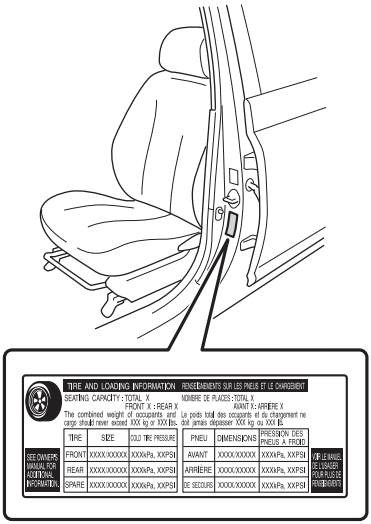
  Do not use liquid sealants on flat tires.
- **Driving on rough roads**

  Take particular care when driving on roads with loose surfaces or potholes.
  These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.
- **If tire inflation pressures become low while driving**

  Do not continue driving, or your tires and/or wheels may be ruined.

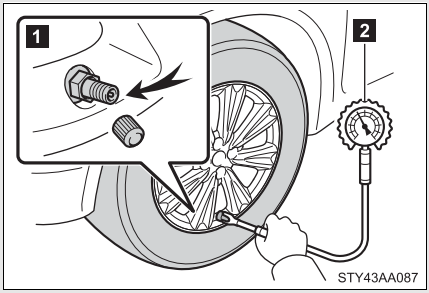
n Tire inflation pressure

The recommended cold tire inflation pressure and tire size is displayed on the tire and loading information label. (→P. 346)



STY43AA103

n Inspection and adjustment procedure



1 Tire valve

2 Tire pressure gauge

STEP 1 Remove the tire valve cap.

STEP 2 Press the tip of the tire pressure gauge onto the tire valve.

STEP 3 Read the pressure using the graduations of the gauge.

STEP 4 If the tire inflation pressure is not within the recommended levels, adjust inflate the tire.
If you add too much air, press the center of the valve to lower.

STEP 5 After completing the tire inflation pressure measurement and adjustment, apply soapy water to the valve and check for leakage.

STEP 6 Reinstall the tire valve cap.

n Tire inflation pressure check interval

You should check tire pressure every two weeks, or at least once a month.
Do not forget to check the spare tire.

n 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 your Toyota dealer.

n 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 mile or 1.5 km, 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.

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.

n **Wheel selection**

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width, and inset*.
Replacement wheels are available at your Toyota dealer.

*: Conventionally referred to as “offset”.

Toyota does not recommend using:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

n **Aluminum wheel precautions (if equipped)**

- Use only Toyota wheel nuts and wrench designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1000 miles (1600 km).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

When replacing wheels

The wheels of your Toyota, except for the compact spare tire, are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advanced warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, the tire pressure warning valves and transmitters must be installed. (→P. 247)

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.

NOTICE

Replacing tire pressure warning valves and transmitters

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by your Toyota dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at your Toyota dealer.
- Ensure that only genuine Toyota wheels are used on your vehicle.
  Tire pressure warning valves and transmitters may not work properly with non-genuine wheels.

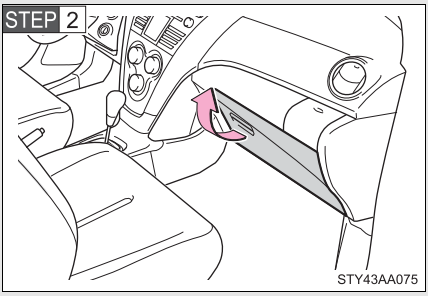
Air conditioning filter*

The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

n Removal method

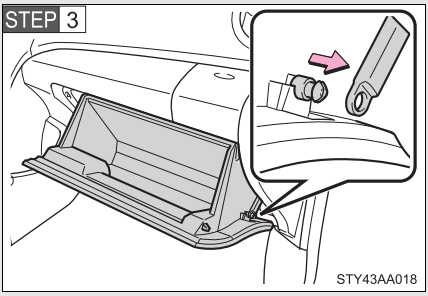
STEP 1 Turn the engine switch off.

STEP 2



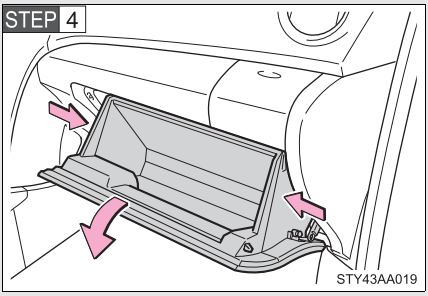
Open the glove box.

STEP 3



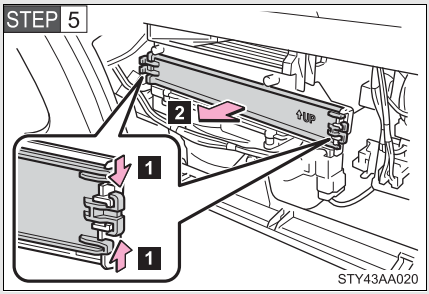
Slide off the damper.

STEP 4



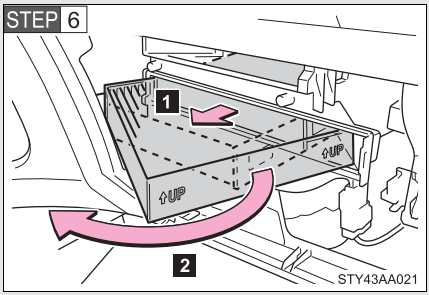
Push in each side of the glove box to disconnect the claws.

*: If equipped



1 Pinch the latches.

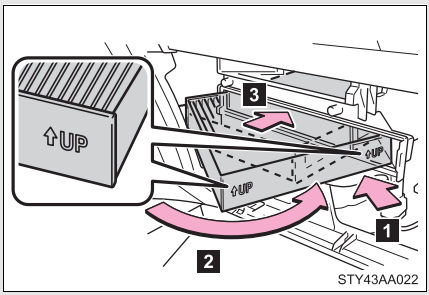
2 Remove the filter cover.



1 Pull out the filter.

2 Rotate the filter to remove it.

n **Installing method**



1 Set a new filter.

The "⇧UP" marks shown on the filter should be pointing up.

2 Rotate the filter.

3 Push in the filter.

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 “Scheduled Maintenance Guide” or “Owner’s Manual Supplement”.)

If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.

NOTICE

When using the air conditioning system

Make sure that a filter is always installed.

Using the air conditioning system without a filter may cause damage to the system.

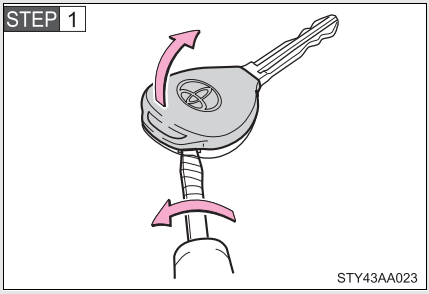
Key battery

Replace the battery with a new one if it is discharged.

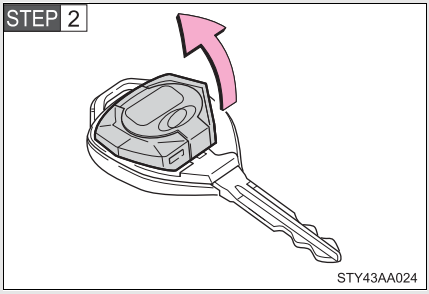
n **You will need the following items:**

- Flathead screwdriver (To prevent damage to the key, cover the tip of the screwdriver with plastic tape.)
- Lithium battery CR2016

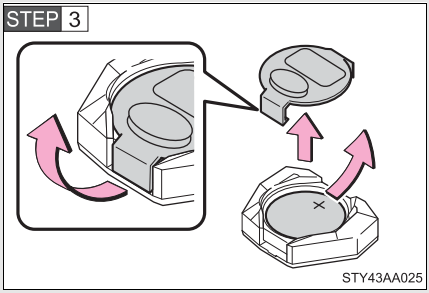
n **Replacing the battery**



Remove the cover.



Remove the module.



Remove the battery cover and the depleted battery.

Insert a new battery with the “+” terminal facing up.

If the key battery is discharged

The following symptoms may occur.

- The wireless remote control will not function properly.
- The operational range is reduced.

Use a CR2016 lithium battery

- Batteries can be purchased at your Toyota dealer, jewelers, or camera stores.
- Replace only with the same or equivalent type recommended by your Toyota dealer.
- Dispose of used batteries according to the local laws.

CAUTION

Removed battery and other parts

Keep away from children.
These parts are small and if swallowed by a child they can cause choking.

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 either of the battery terminals.

Checking and replacing fuses

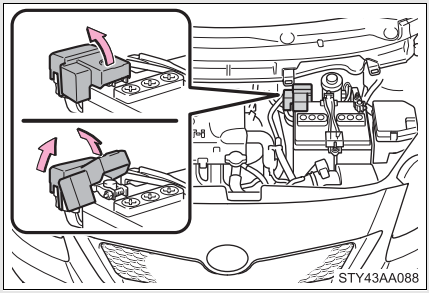
If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

STEP 1 Turn the engine switch off.

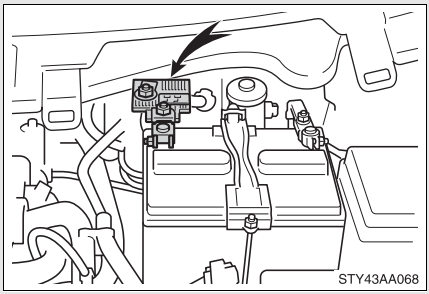
STEP 2 The fuses are located in the following places. To check the fuses, follow the instructions below.

n **Engine compartment**

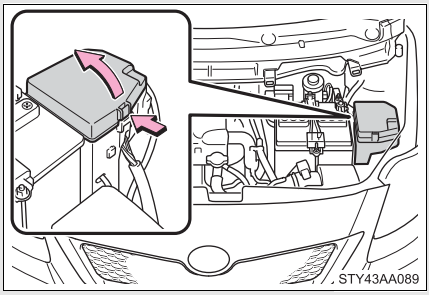
▶ Type A



Remove the cover.



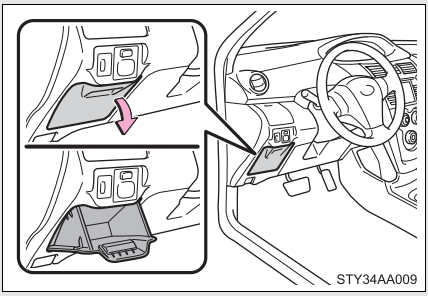
▶ Type B



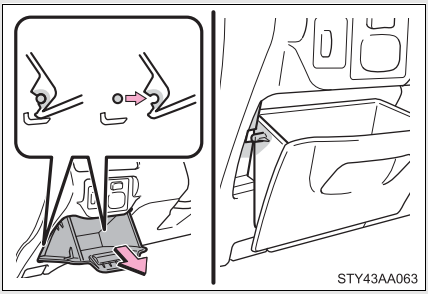
Push the tab in and lift the lid off.

n Under the instrument panel

▶ Type A

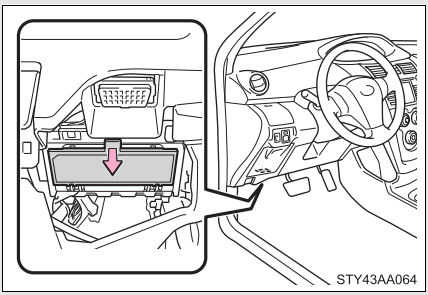


1. Open the auxiliary box.



2. Pull up the box and disengage the claws. Remove the stoppers from the cutouts and remove the box.

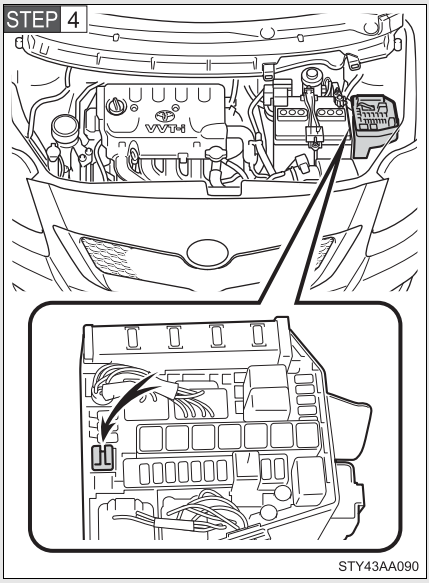
▶ Type B



Remove the lid.

STEP 3 After a system failure, see “Fuse layout and amperage ratings” (→P. 267) for details about which fuse to check.

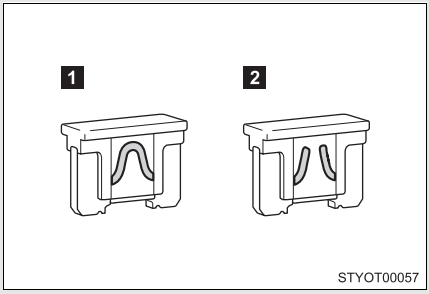
STEP 4



Remove the fuse with the pull-out tool.

STEP 5 Check if the fuse has blown.

▶Type A

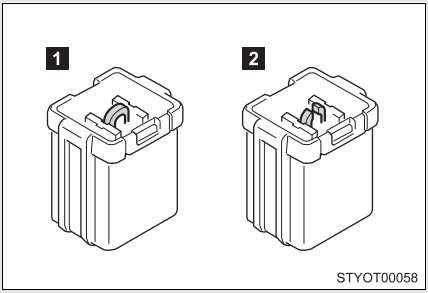


1 Normal fuse

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

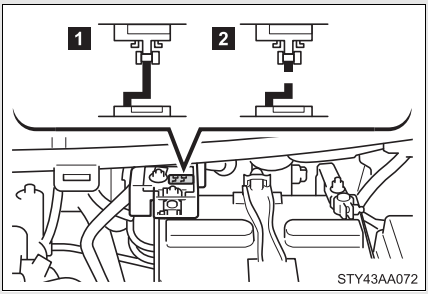


1 Normal fuse

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



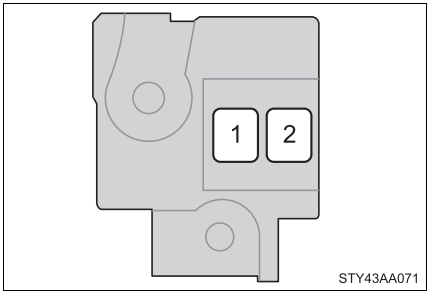
1 Normal fuse

2 Blown fuse

Contact your Toyota dealer.

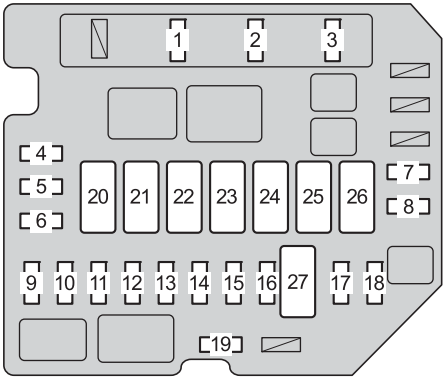
Fuse layout and amperage ratings

n Engine compartment (type A)



Fuse		Ampere	Circuit
1	ALT	120 A	Charging system, HTR SUB2, EPS, ABS1/VSC1, HTR, ABS2/VSC2, HTR SUB1,RDI, DEF, FR FOG, OBD2, D/L, POWER, RR DOOR, RL DOOR, STOP and AM1
2	MAIN	60 A	EFI, HORN, AM2, ALT-S, DOME, ST, ECU-B, ETCS, HAZ, H-LP LH/H-LP LO LH and H-LP RH/H-LP LO RH fuses

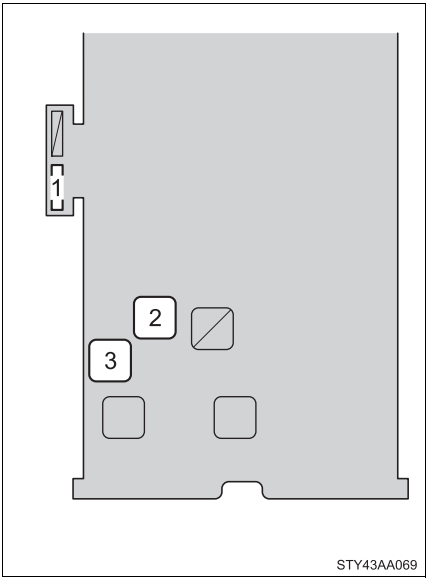
n Engine compartment (type B)



Fuse		Ampere	Circuit
1	AM2	15 A	Starting system, multiport fuel injection system/sequential multi-port fuel injection system
2	HORN	10 A	Horn
3	EFI	20 A	Multiport fuel injection system/ sequential multiport fuel injection system
4	SPARE	30 A	Spare fuse
5	SPARE	10 A	Spare fuse
6	SPARE	15 A	Spare fuse
7	FR DEF	20 A	No circuit
8	ABS2/VSC2	30 A	Anti-lock brake system, vehicle sta-bility control system
9	H-LP MAIN	30 A	H-LP LH/H-LP LO LH fuse
10	ST	30 A	Starting system
11	S-LOCK	20 A	No circuit
12	DOME	15 A	Interior light, personal lights, theft deterrent system, audio system, wireless remote control system

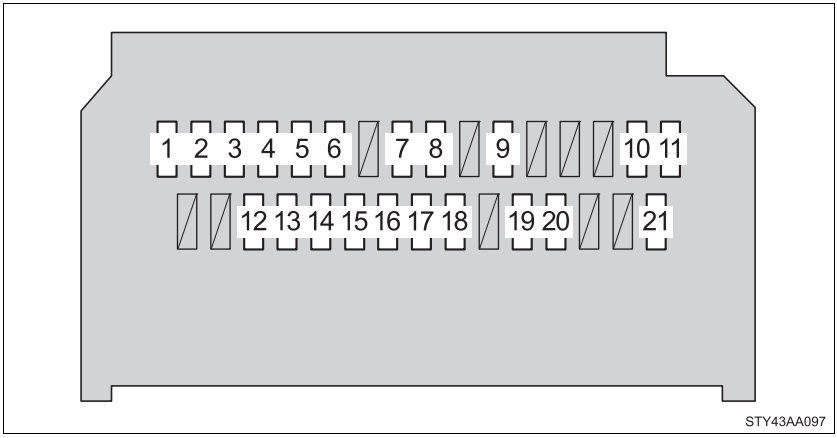
Fuse		Ampere	Circuit
13	ECU-B	7.5 A	Daytime running light system, front passenger occupant classification system, power windows, door lock system, theft deterrent system, meter and gauge, traction control system, vehicle stability control system
14	ALT-S	7.5 A	Charging system
15	ETCS	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, electronic throttle control system
16	HAZ	10 A	Turn signal lights, emergency flashers
17	H-LP RH/H-LP LO RH	10 A	Right-hand headlight
18	H-LP LH/H-LP LO LH	10 A	Left-hand headlight
19	EFI2	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
20	HTR SUB2	40 A	Air conditioning system
21	EPS	50 A	Electric power steering system
22	ABS1/VSC1	50 A	Anti-lock brake system, vehicle stability control system
23	HTR	40 A	Air conditioning system
24	RDI	30 A	Electric cooling fan
25	HTR SUB1	30 A	Air conditioning system
26	H-LP CLN/PWR HTR	30 A	No circuit
27	AMT	50 A	No circuit

n Under the instrument panel (type A)



Fuse		Ampere	Circuit
1	ACC2	7.5 A	Shift lock system
2	DEF	40 A	Rear window defogger
3	POWER	30 A	Power windows

n Under the instrument panel (type B)



Fuse		Ampere	Circuit
1	TAIL	10 A	Side marker lights, parking lights, tail lights, license plate lights, multi-port fuel injection system/sequen-tial multiport fuel injection system
2	PANEL 1	7.5 A	Illuminations, instrument panel light control, meter and gauge
3	A/C	7.5 A	Rear window defogger, air condi-tioning system
4	D DOOR	20 A	Power windows
5	RL DOOR	20 A	Rear passenger’s power window (left side)
6	RR DOOR	20 A	Rear passenger’s power window (right side)
7	CIG	15 A	Power outlet
8	ACC	7.5 A	Door lock system, outside rear view mirrors, audio system

Fuse		Ampere	Circuit
9	ID/UP/MIR HTR	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, outside rear view mirror control, outside rear view mirror heaters
10	IGN	7.5 A	Multiport fuel injection system/ sequential multiport fuel injection system, SRS airbag system, front passenger occupant classification system
11	MET	7.5 A	Meter and gauge
12	WIP	25 A	Windshield wiper and washer
13	RR WIP	15 A	No circuit
14	WSH	15 A	Windshield wiper and washer
15	ECU-IG	10 A	Daytime running light system, anti-lock brake system, electric power steering system, power windows, door lock system, vehicle stability control system, electric cooling fan, meter and gauge
16	GAUGE	10 A	Charging system, turn signal lights, emergency flashers, back-up lights, instrument panel light control, shift lock system, rear window defogger, air conditioning system, automatic transmission system
17	OBD2	7.5 A	On-board diagnosis system
18	STOP	10 A	Stop lights, high mounted stop-light, multiport fuel injection system/sequential multiport fuel injection system, shift lock system, anti-lock brake system
19	D/L	25 A	Door lock system

Fuse		Ampere	Circuit
20	FR FOG	15 A	Front fog lights
21	AM1	25 A	Multiport fuel injection system/ sequential multiport fuel injection system

n **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. 274)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

n **If there is an overload in the circuits**

The fuses are designed to blow before the entire wiring harness is damaged.

CAUTION

n **To prevent system breakdowns and vehicle fire**

Observe the following precautions.
Failing to do so may cause damage, 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.
  This can cause extensive damage or even fire.
- Do not modify the fuse or the fuse box.

NOTICE

n **Before replacing fuses**

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

Light bulbs

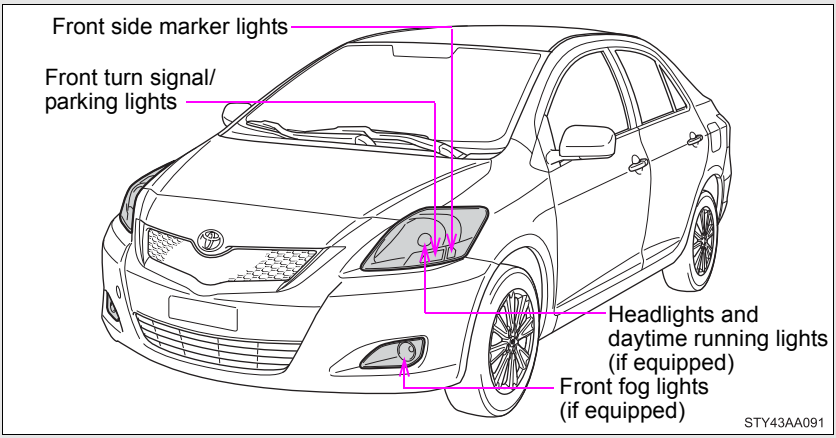
You may replace the following bulbs yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Toyota dealer.

For more information about replacing other light bulbs, contact your Toyota dealer.

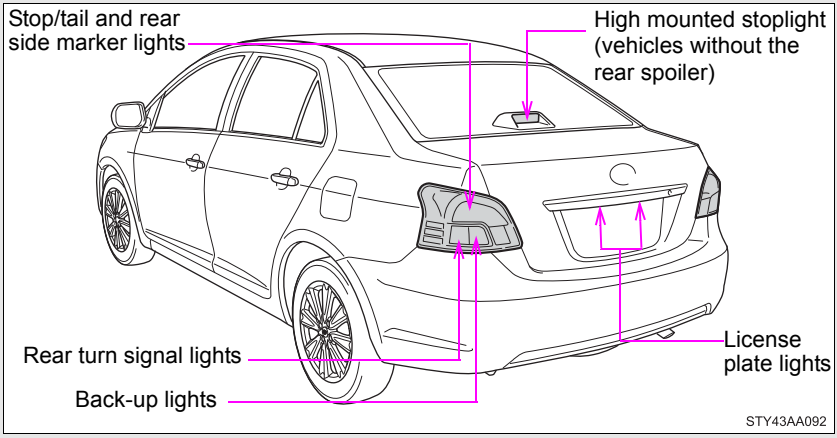
n Prepare a replacement light bulb.

Check the wattage of the light bulb being replaced. (→P. 342)

n Front bulb locations

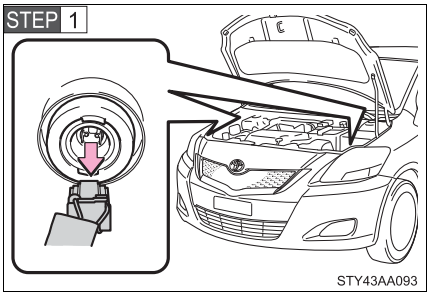


n Rear bulb locations

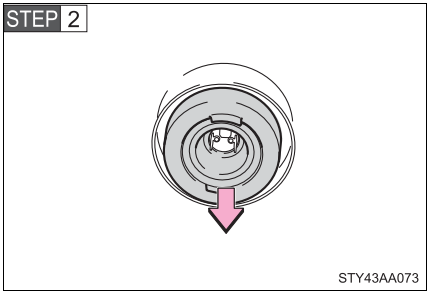


Replacing light bulbs

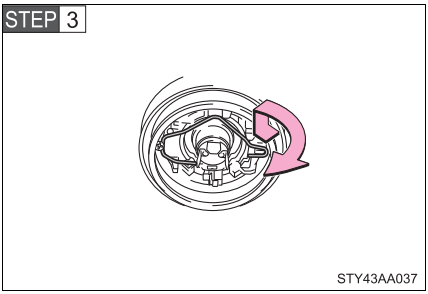
n Headlights and daytime running lights (if equipped)



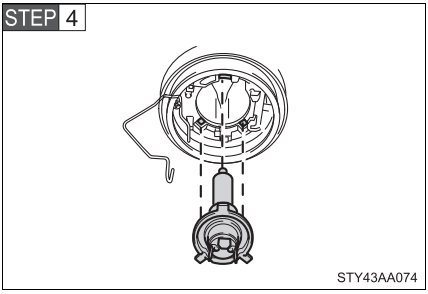
Unplug the connector.



Remove the rubber cover.



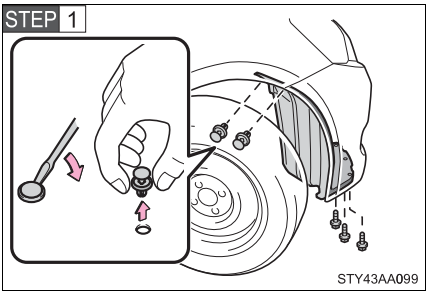
Release the bulb retaining spring.



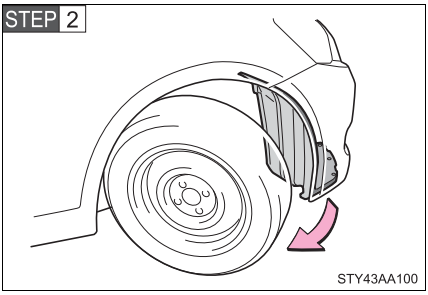
Remove the bulb.

To install a new bulb, align the tabs of the bulb with the cutouts of the mounting hole.

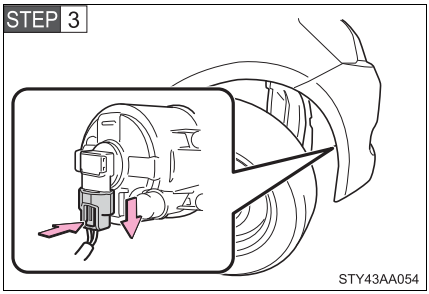
n Front fog lights (if equipped)



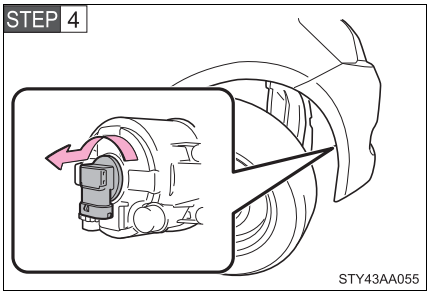
Remove the bolts and clips.



Partly remove the fender liner.

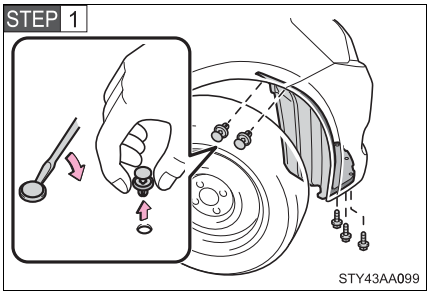


Unplug the connector while depressing the lock release.

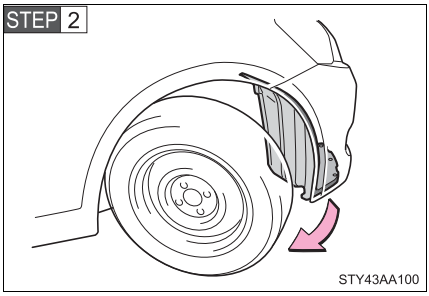


Turn the bulb counterclockwise.

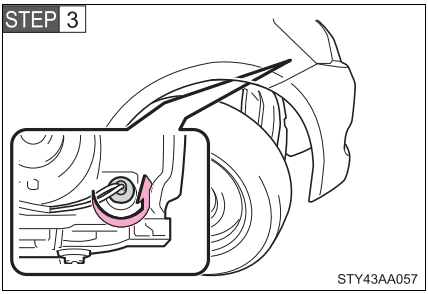
n Front side marker lights



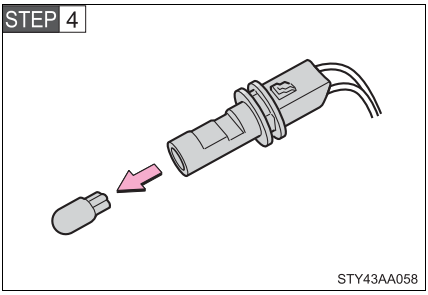
Remove the bolts and clips.



Partly remove the fender liner.

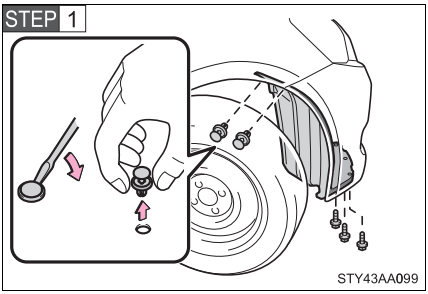


Turn the bulb base counterclockwise.

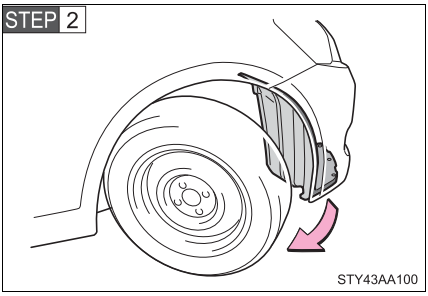


Remove the light bulb.

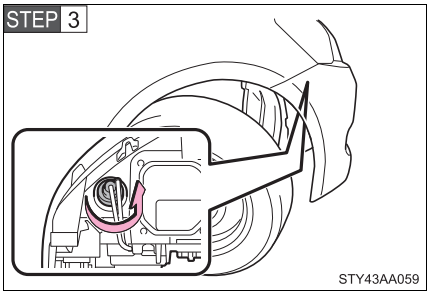
n Front turn signal/parking lights



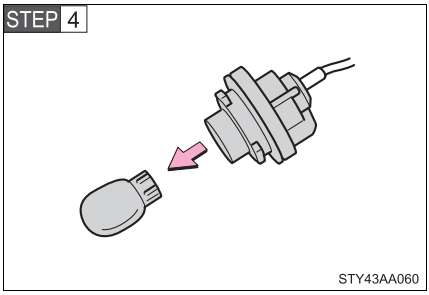
Remove the bolts and clips.



Partly remove the fender liner.

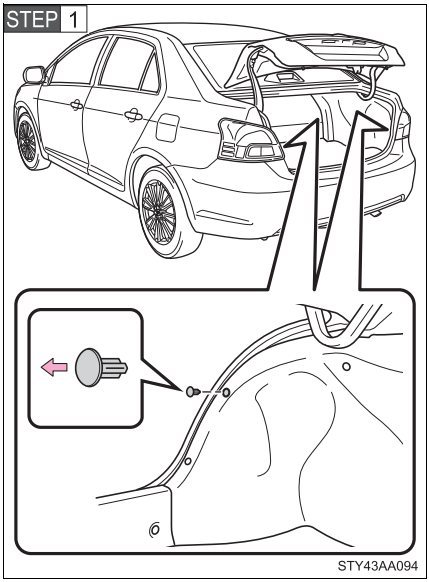


Turn the bulb base counterclockwise.

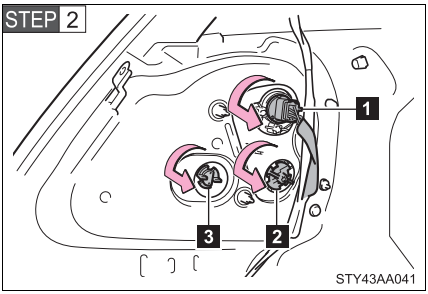


Remove the light bulb.

n **Back-up lights, stop/tail and rear side marker lights and rear turn signal lights**



Open the trunk lid and remove the clip.

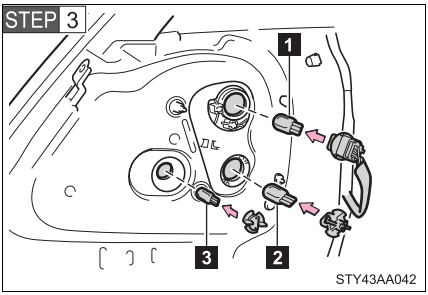


Partly remove the cover and turn the bulb bases counterclockwise.

1 Stop/tail and rear side marker lights

2 Rear turn signal light

3 Back-up light



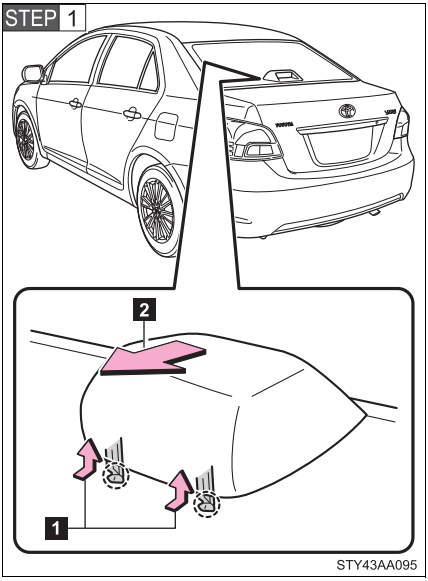
Remove the light bulb.

1 Stop/tail and rear side marker lights

2 Rear turn signal light

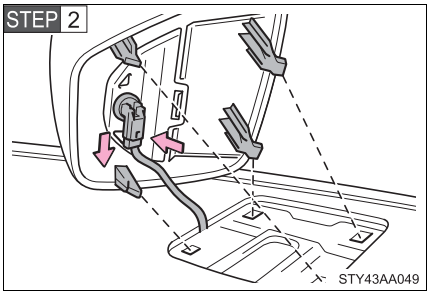
3 Back-up light

n High mounted stoplight (vehicles without the rear spoiler)

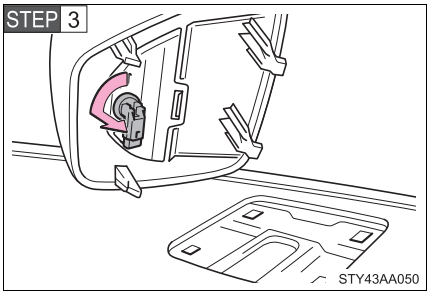


1 Disengage the claws.

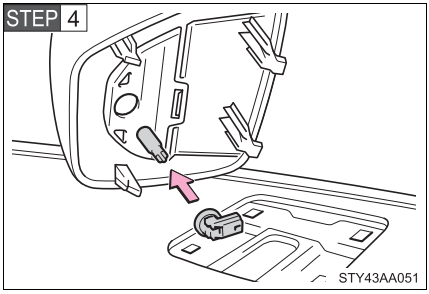
2 Pull and remove the high mounted stoplight.



Unplug the connector.

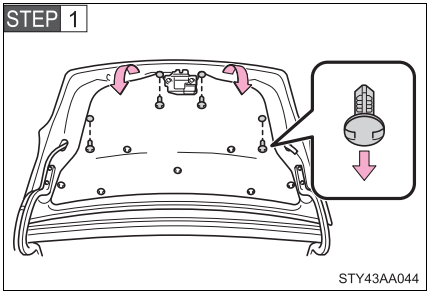


Turn the bulb base counterclockwise.



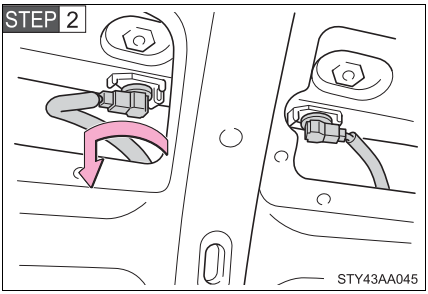
Remove the light bulb.

n License plate lights

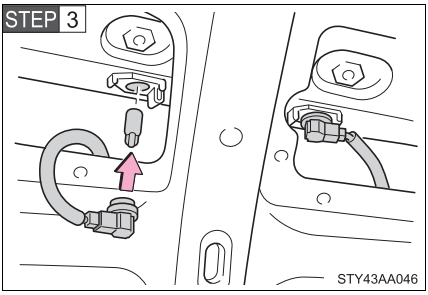


Open the trunk lid.

If equipped:
Remove the clips and partly remove the cover.



Turn the bulb base counterclockwise.



Remove the light bulb.

n **LED high mounted stoplight (vehicles with the rear spoiler)**

If the high mounted stoplight has burnt out, have it replaced by your Toyota dealer.

---

n **Condensation build-up on the inside of the lens**

Contact your Toyota dealer for more information in the following situations. Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction.

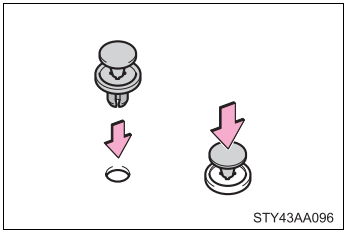
l Large drops of water are built up on the inside of the lens.

l Water has built up inside the headlight.

n **LED high mounted stoplight**

The high mounted stoplight consists of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Toyota dealer to have the light replaced.

n Installing the clips



Insert the clips.

CAUTION

n 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.

n To prevent damage or fire

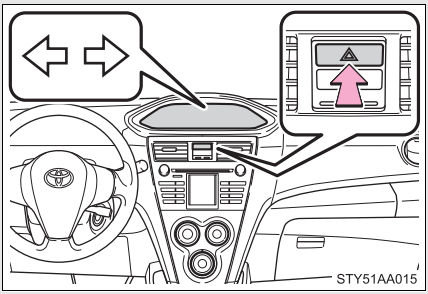
Make sure bulbs are fully seated and locked.

NOTICE

- Halogen bulbs have pressurized gas inside and require special handling. 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.

Emergency flashers

Use the emergency flashers if the vehicle malfunctions or is involved in an accident.



Press the switch to flash all the turn signal lights. To turn them off, press the switch once again.

NOTICE

n **To prevent battery discharge**

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

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Toyota dealer or 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. 290)
If they are damaged, use a towing dolly or flat bed truck.

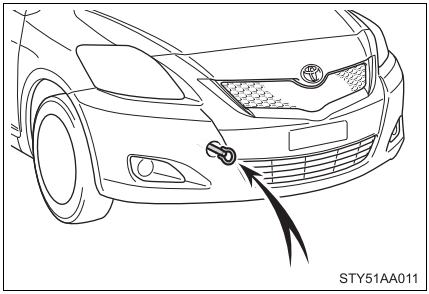
Before towing

The following may indicate a problem with your transmission. Contact your Toyota dealer 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 eyelet. This should only 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 eyelet

Emergency towing procedure

STEP 1 Release the parking brake.

STEP 2 Put the transmission in N.

STEP 3 Turn the engine switch to the ACC (engine off) or ON (engine running) position.

CAUTION

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 eyelet and the cables or chains. Always use caution for 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

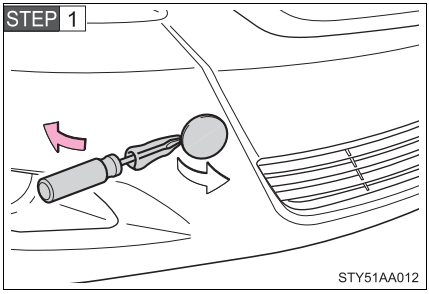
To prevent causing serious damage to the transmission (vehicles with an automatic transmission)

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)

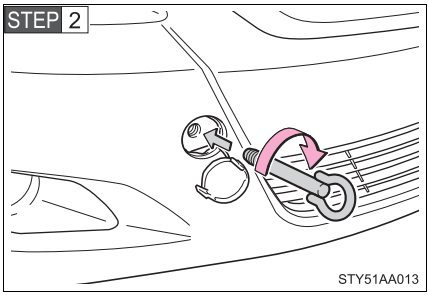
Do not tow with the key removed or in the LOCK position.

Installing towing eyelet

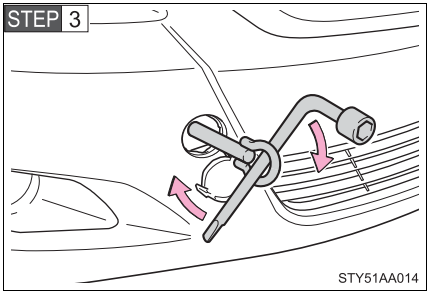


Remove the eyelet cover using a flathead screwdriver.

To protect the bodywork, place a rag between the screwdriver and the vehicle body, as shown in the illustration.



Insert the towing eyelet into the hole and tighten partially by hand.



Tighten down the towing eyelet securely using a wheel nut wrench.

n **Location of the emergency towing eyelet**

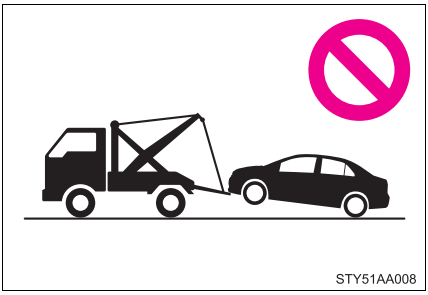
→P. 307

CAUTION

n **Installing towing eyelet to the vehicle**

Make sure that towing eyelet is installed securely.
If not securely installed, towing eyelet may come loose during towing. This may lead to accidents that cause serious injury or even death.

Towing with a sling-type truck

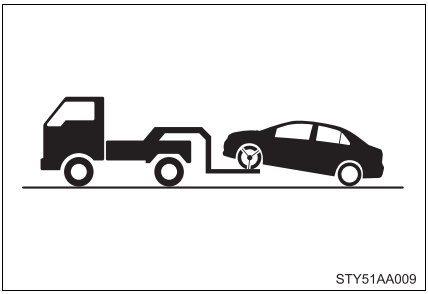


NOTICE

n **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

n **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

Vehicles with an automatic transmission: Use a towing dolly under the front wheels.

Vehicles with a manual transmission: We recommend to use a towing dolly under the front wheels.

When not using a towing dolly, turn the engine switch to the ACC position and shift the shift lever to N.

NOTICE

n **To prevent causing serious damage to the transmission (vehicles with an automatic transmission)**

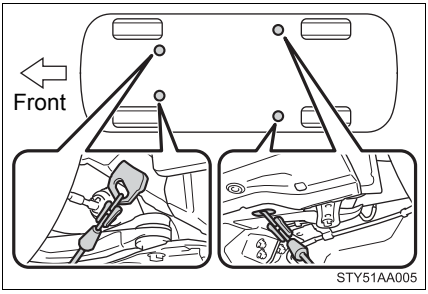
Never tow this vehicle from the rear with the front wheels on the ground.

n **To prevent damaging the vehicle (vehicles with a manual transmission)**

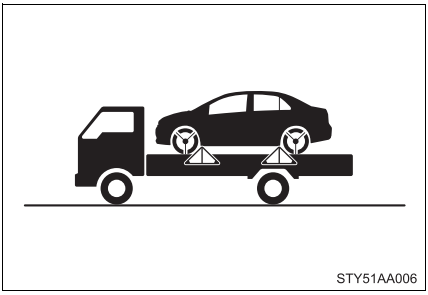
l Do not tow the vehicle with the key removed or in the LOCK position. The steering lock mechanism is not strong enough to hold the front wheel straight.

l 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.

Using a flat bed truck



If your Toyota is transported by a flat bed truck, it should be tied down at the locations shown in the illustration.



If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.

Do not overly tighten the tie downs or the vehicle may be damaged.

Apply the parking brake firmly.

If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Toyota dealer as soon as possible.

Visible symptoms

- Fluid leaks under the vehicle
  (Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- High engine coolant temperature warning light flashes or comes on
- Low engine coolant temperature indicator comes on or does not come on continuously

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

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 Turn the engine switch to the ACC or LOCK position.

STEP 2 Restart the engine.

NOTICE

n **Before starting the engine**

Inspect the ground under the vehicle.
If you find that fuel has leaked onto the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

Event data recorder

Your vehicle has computers that monitor and control certain aspects of your vehicle. These computers assist in driving and maintaining optimal vehicle performance.

Besides storing data useful for troubleshooting, there is an event data recorder (EDR) that records data in a crash or a near car crash event.

In a crash or a near car crash event

The SRS airbag sensor assembly contains the EDR. In a crash or a near car crash event, this device may record some or all of the following information:

- Engine speed
- Whether the brake pedal was applied or not
- Vehicle speed
- To what extent the accelerator pedal was depressed
- Position of the transmission shift lever
- Whether the driver and front passenger wore seat belts or not
- Driver's seat position
- SRS airbag deployment data
- SRS airbag system diagnostic data
- Front passenger's occupant classification

The information above is intended to be used for the purpose of improving vehicle safety performance. Unlike general data recorders, the EDR does not record sound data such as conversation between passengers.

Disclosure of the data

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

- An agreement from the vehicle's owner (or the leasing company for a leased vehicle) is obtained
- Officially requested by the police or other authorities
- Used as a defense for Toyota in a law suit
- Ordered by a court of law

However, if necessary Toyota will:

- Use the data for research on Toyota vehicle safety performance
- Disclose the data to a third party for research purposes without disclosing details of the vehicle owner, and only when it is deemed necessary
- Disclose summarized data cleared of vehicle identification information to a non-Toyota organization for research purposes

If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights turn on or flash. If a light turns on or flashes, but then turns off, this does not necessarily indicate a malfunction in the system.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning light	Warning light/Details
BRAKE (except Canada) (Canada)	**Brake system warning light (warning buzzer)*** • Low brake fluid • Malfunction in the brake system (vehicles with the ABS) This light also comes on when the parking brake is not released. If the light turns off after the parking brake is fully released, the system is operating normally.

*: Parking brake engaged warning buzzer:

The buzzer sounds to indicate that parking brake is still engaged (with the vehicle having reach a speed of 3 mph [5 km/h])

Stop the vehicle immediately.

The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning light	Warning light/Details
	Charging system warning light Indicates a malfunction in the vehicle's charging system.
	Low engine oil pressure warning light Indicates that the engine oil pressure is too low*.
	High engine coolant temperature warning light Indicate a engine is almost overheating.(→P. 325)

*: The light may come on when the oil level is extremely low. It is not designed to indicate low oil level, and the oil level must be checked using the engine oil level dipstick.

Have the vehicle inspected immediately.

Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Toyota dealer immediately.

Warning light	Warning light/Details
CHECK (except Canada) (Canada)	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; • The electronic automatic transmission control system; or • Emission control system.

Warning light	Warning light/Details
	SRS warning light Indicates a malfunction in: • The SRS airbag system; • The front passenger occupant classification system; or • The seat belt pretensioner system.
ABS (except Canada) (Canada)	**ABS warning light (if equipped)** Indicates a malfunction in: • The ABS; or • The brake assist system.
	Electric power steering warning light Indicates a malfunction in the EPS (Electric Power Steering) system.
	Slip indicator The indicator light comes on to indicate a malfunction in: • The VSC; or • The TRAC.

Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Warning light	Warning light/Details	Correction procedure
	Open door warning light Indicates that a door is not fully closed.	Check that all doors are closed.
	Low fuel level warning light Remaining fuel • Flash (Approximately 1.6 gal. [6.3 L, 1.3 Imp.gal.] or less) • Fast flash (Approximately 1.1 gal. [4.2 L, 0.9 Imp.gal] or less)	Refuel the vehicle.
 (On the instrument cluster)	**Driver's seat belt reminder light (warning buzzer)*1** Warns the driver to fasten his/her seat belt.	Fasten the seat belt.
  (On the center panel)	**Front passenger's seat belt reminder light (warning buzzer)*2** Warns the front passenger to fasten his/her seat belt.	Fasten the seat belt.

Warning light	Warning light/Details	Correction procedure
(except Canada)	**Tire pressure warning light** • When the light comes on: Low tire inflation pressure. • When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system.	Adjust the tire inflation pressure. Have the system checked by your Toyota dealer.
(if equipped)	**Low washer fluid warning light** Low level of washer fluid	Fill the tank.
MAINT REQD (except Canada)	**Engine oil replacement reminder light** • Illuminates for about 3 seconds and then flashes for about 12 seconds: Indicates that the engine oil is scheduled to be changed. • Comes on and remains: Indicates that the engine oil should be changed.	Check the engine oil, and change if necessary. Check and change the engine oil.

*1: Driver's seat belt reminder:

The driver's seat belt reminder sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to the ON or START position, the buzzer sounds for 6 seconds. If the vehicle has reached a speed of at least 12 mph (20 km/h), the buzzer sounds intermittently for 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

*2:Front passenger's seat belt reminder:

The front passenger's seat belt reminder sounds to alert the front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle has reached a speed of at least 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

Key reminder buzzer

The buzzer indicates that the key has not been removed (with the engine switch in the ACC or LOCK position and the driver's door opened).

Light reminder buzzer

The buzzer indicates that the headlight switch is left on (with the key removed and the driver's door opened).

If the malfunction indicator lamp comes on while driving

First check the following:

- Is your vehicle low on gas?
  If it is, refuel the vehicle immediately.
- Is the fuel tank cap loose?
  If it is, tighten it securely.

The light will go off after taking several driving trips.
If the light does not go off even after several trips, contact your Toyota dealer as soon as possible.

Front passenger detection sensor and passenger seat belt reminder

If luggage or other load is placed on the front passenger seat, depending on its weight, the reminder light to flash and buzzer to sound.

The tire pressure warning light may turn on due to natural causes

The tire pressure warning light may turn on due to natural causes such as natural air leaks or tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

When a tire is replaced with a spare tire

The compact spare tire is not equipped with the tire pressure warning valve and transmitter. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire is replaced with the spare tire. Replace the spare tire with the repaired tire and adjust the proper tire inflation pressure. The tire pressure warning light will turn off after a few minutes.

If the tire pressure warning system is inoperative

The tire pressure warning system will be disabled in the following conditions:
(When the condition becomes normal, the system will work properly.)

- If tires not equipped with tire pressure warning valves and transmitters are used.
- If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- If the tire inflation pressure is 73 psi (500 kPa, 5.1 kgf/cm^2 or bar) or higher.

The tire pressure warning system may be disabled in the following conditions:
(When the condition becomes normal, the system will work properly.)

- If electronic devices or facilities using similar radio wave frequencies are nearby.
- If a radio set at similar frequencies is in use in the vehicle.
- If a window tint that affects the radio wave signals is installed.
- If there is a lot of snow or ice on the vehicle, in particular around the wheels or wheel housings.
- If non-genuine Toyota wheels are used. (Even if you use Toyota wheels, the tire pressure warning system may not work properly with some types of tires.)
- If tire chains are used.

If the tire pressure warning light comes on after blinking for 1 minute frequently

If the tire pressure warning light comes on after blinking for 1 minute frequently when the engine switch is turned to the ON position, have it checked by your Toyota dealer.

After changing the engine oil (except Canada)

Make sure to reset the oil maintenance data. (→P. 237)

Customization that can be configured at Toyota dealer

The vehicle speed linked seat belt reminder buzzer can be disabled. (Customizable features→P. 359)

CAUTION

n **If the tire pressure warning light comes on**

Be sure to observe the following precautions. Failure to do so could cause loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If the tire is flat, change to the spare tire and have the flat tire repaired by the nearest Toyota dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

n **If a blowout or sudden air leakage should occur**

The tire pressure warning system may not activate immediately.

n **Maintenance of the tire**

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

CAUTION

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

Your vehicle has also been equipped with a TPMS (tire pressure warning system) malfunction indicator to indicate when the system is not operating properly. The TPMS (tire pressure warning system) malfunction indicator is combined with the low tire pressure telltale (tire pressure warning light). When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

TPMS (tire pressure warning system) malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS (tire pressure warning system) from functioning properly. Always check the TPMS (tire pressure warning system) malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS (tire pressure warning system) to continue to function properly.

NOTICE

n **Precaution when installing a different tire**

When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

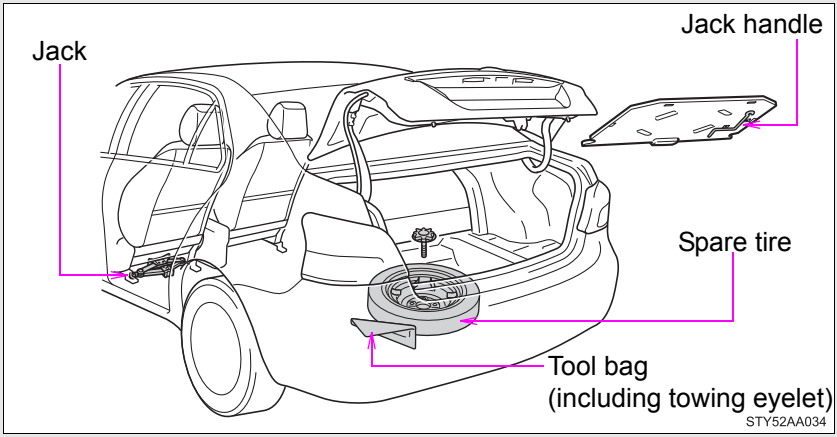
If you have a flat tire

Remove the flat tire and replace it with the spare provided.

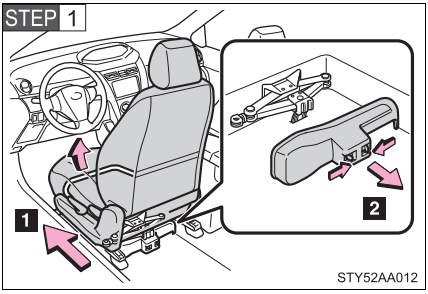
n Before jacking up the vehicle

- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P (automatic transmission) or R (manual transmission).
- Stop the engine.
- Turn on the emergency flashers.

n Location of the spare tire, jack and tools

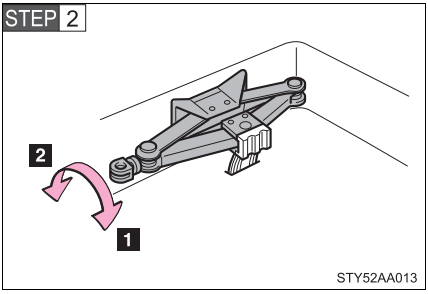


Taking out the jack



1 Move the driver seat to the front-most position.

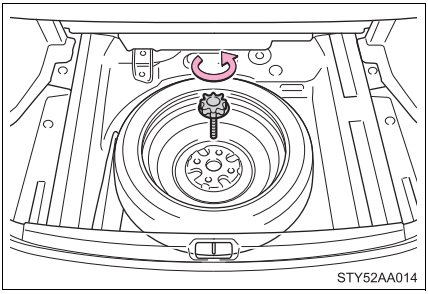
2 Remove the cover.



1 Tighten

2 Loosen

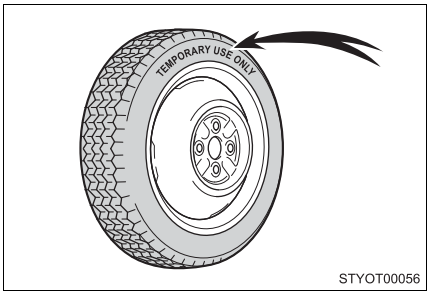
Taking out the spare tire



Loosen the center fastener that secures the spare tire.

Compact spare tire

The compact spare tire saves space in your luggage compartment, and its lighter weight helps to enhance fuel economy and permits easier installation in case of a flat tire.



The compact spare tire is designed for temporary emergency use only.

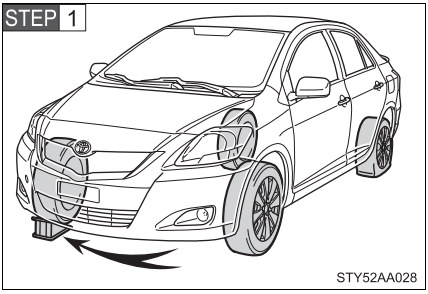
The compact spare tire is identified by the distinctive wording “TEMPORARY USE ONLY” molded into the sidewall of the tire.

When using the compact spare tire

As the compact spare tire is not equipped with the tire pressure warning valve and transmitter, low inflation pressure of the compact spare tire will not be warned. Also, if you replace the compact spare tire after the tire pressure warning light comes on, the light remains on.

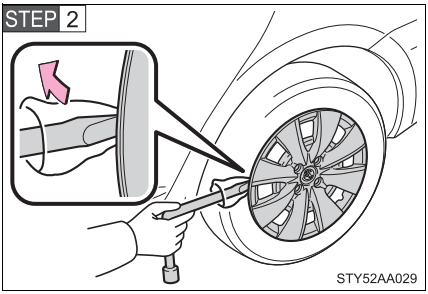
Check the tire inflation pressure of the compact spare tire. (→P. 341)

Replacing a flat tire



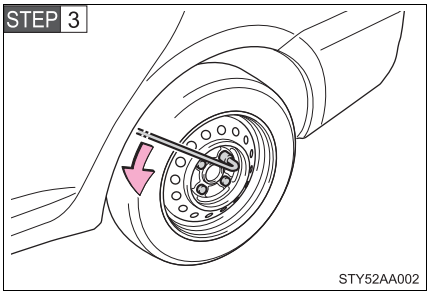
Chock the tires.

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

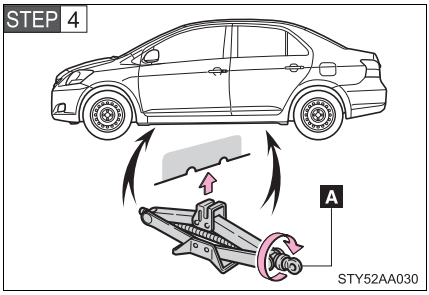


Vehicles with a steel wheel, remove the wheel ornament using the wrench.

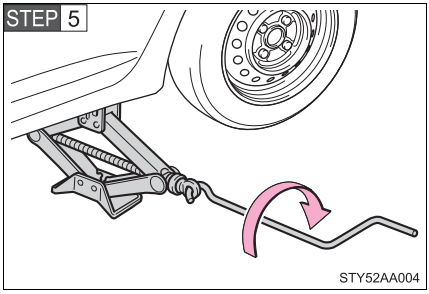
To protect the wheel ornament, place a rag between the wrench and the wheel ornament, as shown in the illustration.



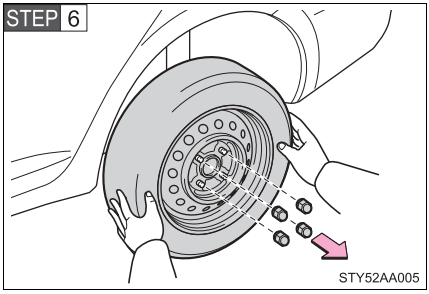
Slightly loosen the wheel nuts (one turn).



Turn the jack portion “A” by hand until the notch of the jack is in contact with the jack point.



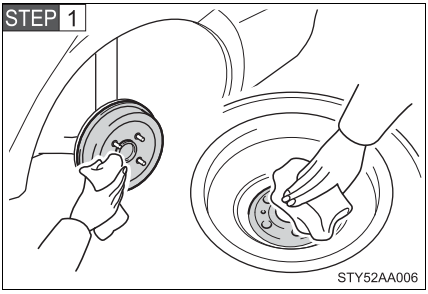
Raise the vehicle until the tire is slightly raised off the ground.



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 tire

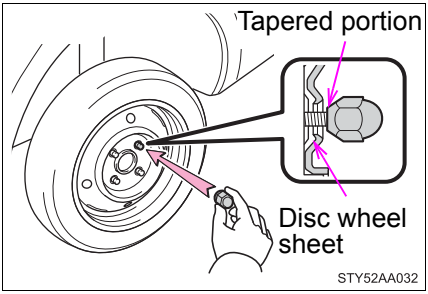


Remove any dirt or foreign matter from the wheel contact surface.

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.

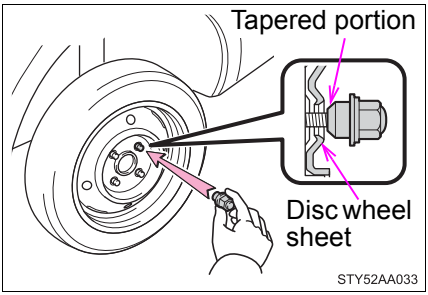
STEP 2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

▶ Replacing a steel wheel



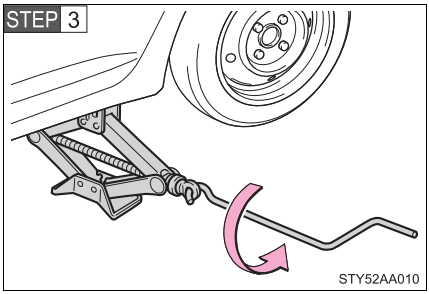
Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

▶ Replacing an aluminum wheel



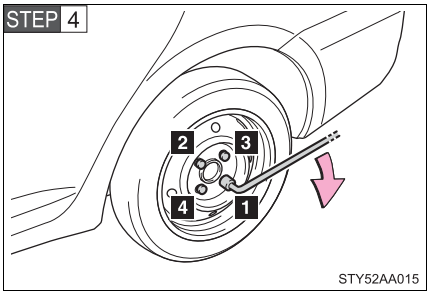
Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

STEP 3



Lower the vehicle.

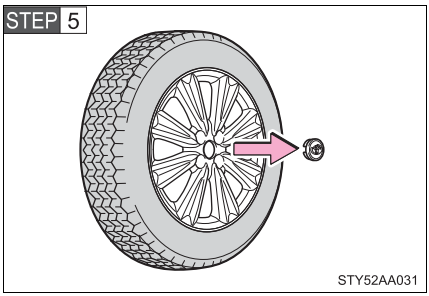
STEP 4



Firmly tighten each nut two or three times in the order shown in the illustration.

Tightening torque:
76 ft·lbf (103 N·m, 10.5 kgf·m)

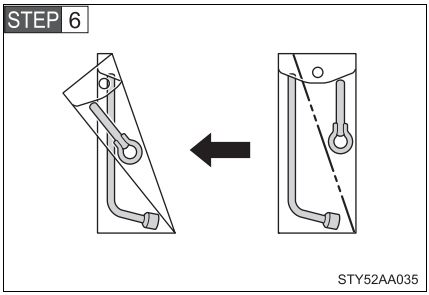
STEP 5



Vehicles with an aluminum wheels, remove the center wheel ornament by pushing from the reverse side.

Be careful not to lose the wheel ornament.

STEP 6



Position the tools as shown in the illustration. Fold the tool bag over.

STEP 7 Stow the flat tire, jack and all tools.

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.

After completing the tire change

The tire pressure warning system must be reset. (→P. 247)

CAUTION

n **Using the jack**

Improper use of the jack may lead to death or serious injuries due to the vehicle suddenly falling off the jack.

- Do not use the jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other jacks for replacing tires on this vehicle.
- Always check that the jack is securely set to the jack point.
- Do not put any part of your body under the vehicle supported by a jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is in it.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle will be injured.

n **Replacing a flat tire**

Observe the following precautions to reduce the risk of 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 a serious accident. Remove any oil or grease from the wheel bolts or wheel nuts.
- Have the wheel nuts tightened with a torque wrench to 76 ft·lbf (103 N·m, 10.5 kgf·m) 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.

CAUTION

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.

Speed limit when using the compact spare tire

Do not drive at speeds in excess of 50 mph (80 km/h) 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 causing death or serious injury.

When the spare tire is attached

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS&Brake assist (if equipped)
- VSC (if equipped)
- TRAC (if equipped)
- Cruise control

NOTICE

n **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.

n **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.

n **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.

n **When replacing the tires**

l When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Toyota dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

l Replace the grommets for the tire pressure warning valves and transmitters as well.

n **To avoid damaging the tire pressure warning valves and transmitters**

Do not use liquid sealants on flat tires.

If the engine will not start

If the engine still does not start after following the correct starting procedure (→P. 110) or releasing the steering lock (→P. 110), confirm the following points.

n **The engine will not start even when the starter motor operates normally.**

One of the following may be the cause of the problem.

- There may not be sufficient fuel in the vehicle's tank.
  Refuel the vehicle.
- The engine may be flooded.
  Try to restart the engine once more following correct starting procedures.
- Vehicles with engine immobilizer system: There may be a malfunction in the engine immobilizer system.
  (→P. 62)

n **The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.**

One of the following may be the cause of the problem.

- The battery may be discharged. (→P. 322)
- The battery terminal connections may be loose or corroded.

n **The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound.**

One of the following may be the cause of the problem.

- One or both of the battery terminals may be disconnected.
- The battery may be discharged. (→P. 322)

Contact your Toyota dealer if the problem cannot be repaired, or if repair procedures are unknown.

If the shift lever cannot be shifted from P

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 your Toyota dealer immediately.

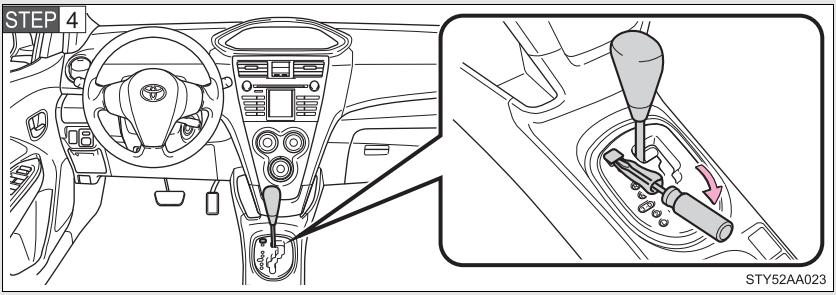
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

STEP 1 Set the parking brake.

STEP 2 Turn the engine switch to the ACC or ON position.

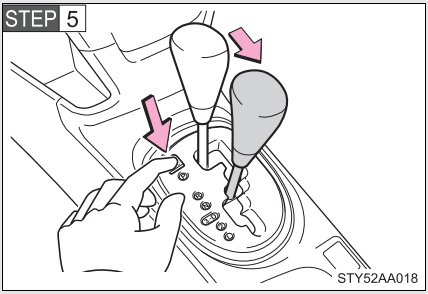
STEP 3 Depress the brake pedal.

STEP 4



Pry the cover up with a flathead screwdriver or equivalent.

STEP 5



Press the shift lock override button.

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

If you lose your keys

New genuine Toyota keys can be made by your Toyota dealer using the key number stamped on your key number plate. Vehicles with engine immobilizer system, the dealer will also need the master key. (→P. 25)

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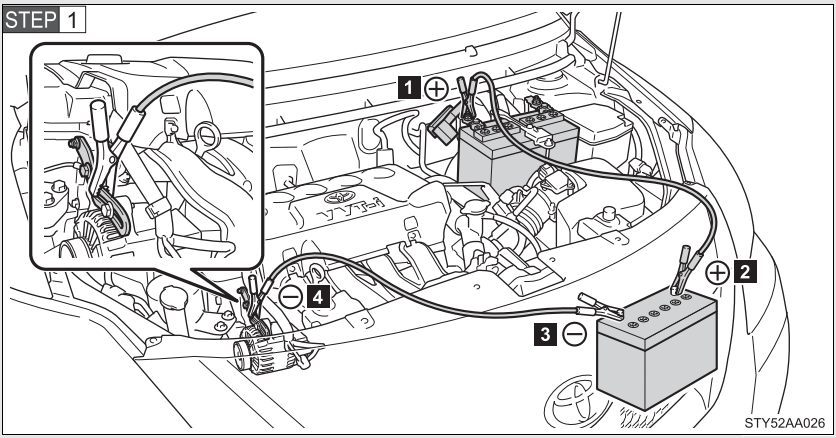
n **If you lose all your master keys. (vehicles with engine immobilizer system)**

You cannot make new keys, the whole engine immobilizer system must be replaced.

If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can call your Toyota dealer or qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Toyota following the steps below.



Connecting the jumper cables

1 Positive (+) battery terminal on your vehicle
2 Positive (+) battery terminal on the second vehicle
3 Negative (-) battery terminal on the second vehicle
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 Maintain the engine speed of the second vehicle and start the vehicle's engine.

STEP 4 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order in which they were connected.

Once the engine starts, have the vehicle checked at your Toyota dealer as soon as possible.

---

n **Starting the engine when the battery is discharged (vehicles with an automatic transmission)**

The engine cannot be started by push-starting.

n **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.

CAUTION

n **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.

CAUTION

Avoiding battery fires or explosions

- Do not smoke, use matches, cigarette lighters or allow open flame near the battery.

Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery.

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

NOTICE

To prevent damaging the vehicle (vehicles with a manual transmission)

Do not pull- or push-start the vehicle, because the three-way 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

If your engine overheats:

STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system.

STEP 2 Check to see if steam is coming out from under the hood.

If you see steam:

Stop the engine. Carefully lift the hood after the steam subsides and then restart the engine.

If you do not see steam:

Leave the engine running and carefully lift the hood.

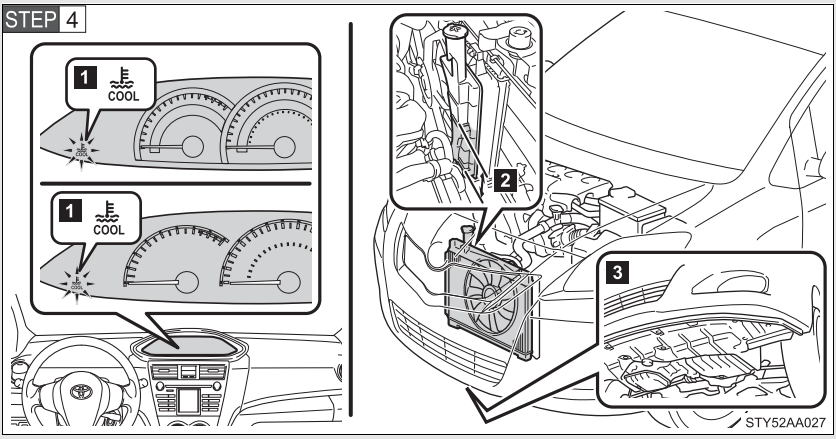
STEP 3 Check to see if the cooling fan is operating.

If the fan is operating:

Wait until the high engine coolant temperature warning light goes off and then stop the engine.

If the fan is not operating:

Stop the engine immediately and call your local Toyota dealer.



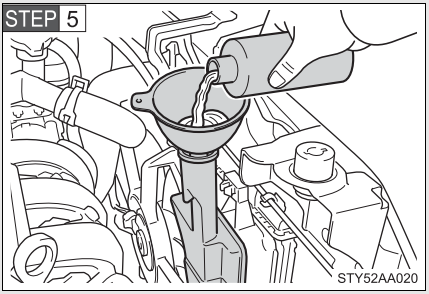
1 The engine has cooled down sufficiently.

Low engine coolant temperature indicator comes on.

2 Check the engine coolant level.

3 Look for obvious coolant leaks from the radiator, hoses and under the vehicle.

Note that water draining from the air conditioning is normal if it has been used.



Add engine coolant if required.

Water can be used in an emergency if engine coolant is unavailable. (→P. 337)

Have the vehicle checked at your nearest Toyota dealer as soon as possible.

Overheating

If you observe the following, your vehicle may be overheating.

- The high engine coolant temperature warning light flashes or comes on or a loss of power is experienced.
- Steam is coming from under the hood.

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 away from the fan and other belts while the engine is running.
- Do not loosen the radiator 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.

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 (vehicles with an automatic transmission) or N (vehicles with a manual transmission).

STEP 2 Remove the mud, snow, or sand from around the stuck tire.

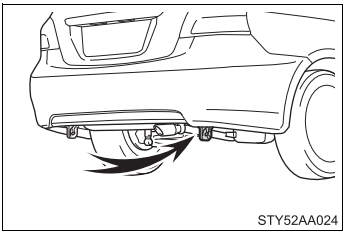
STEP 3 Place wood, stones or some other material to help provide traction under the tires.

STEP 4 Restart the engine.

STEP 5 If equipped, turn off the VSC (→P. 140)

STEP 6 Shift the shift lever to D or R (automatic transmission) or 1 or R (manual transmission) and carefully apply the accelerator to free the vehicle.

n Emergency hook



When your vehicle becomes stuck and cannot move, the emergency hook is used for another vehicle to pull your vehicle out in an emergency.
Your vehicle is not designed to tow another vehicle.

Do not use the left rear hook. It is not designed for towing.

CAUTION

When attempting to free a stuck vehicle

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever

Vehicles with 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

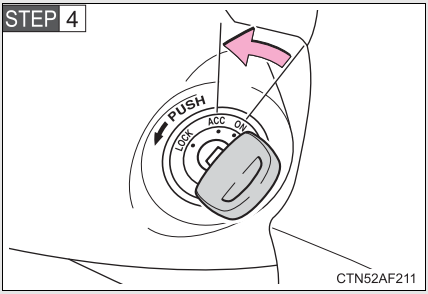
STEP 3 After slowing down, stop the vehicle in a safe place by the road.

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



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

n If the engine has to be turned off while driving

- Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.
- Never attempt to remove the key, as doing so will lock the steering wheel.

Maintenance data (fuel, oil level, etc.)

Dimensions and weight

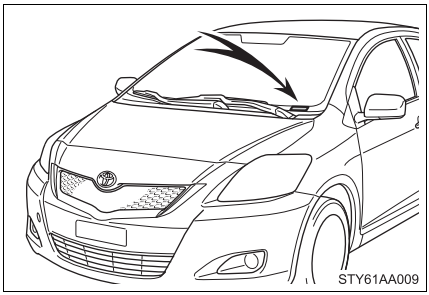
Overall length		169.3 in. (4300 mm)
Overall width		66.5 in. (1690 mm)
Overall height		57.5 in. (1460 mm)
Wheelbase		100.4 in. (2550 mm)
Tread	Front	58.3 in. (1480 mm)*1 57.9 in. (1470 mm)*2
	Rear	57.9 in. (1470 mm)*1 57.5 in. (1460 mm)*2
Vehicle capacity weight (Occupants + luggage)		845 lb. (383 kg)
Towing capacity*3 (Trailer weight + cargo)		700 lb. (318 kg)

*1: P175/65R14 tires
*2: P185/60R15 tires
*3: Canada only

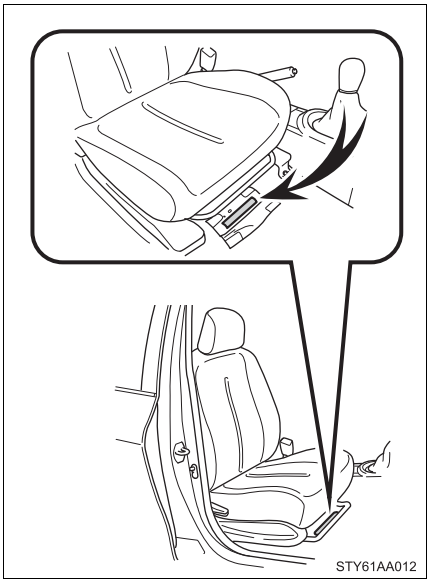
Vehicle identification

n Vehicle identification number

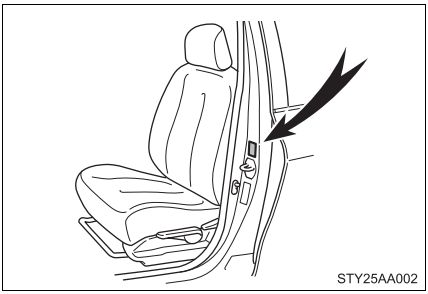
The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.



This number is stamped on the top left of the instrument panel.



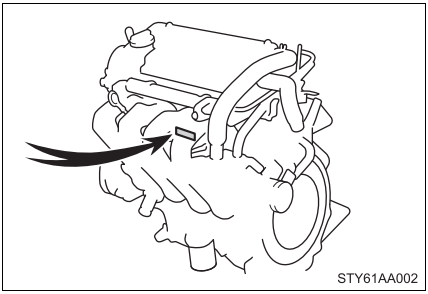
This number is stamped under the front passenger seat.



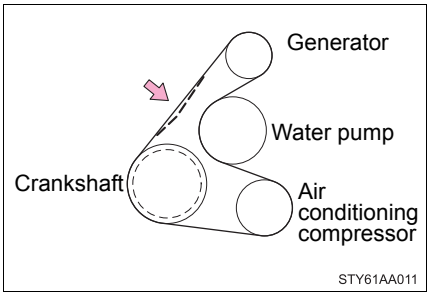
This number is also on the Certification Label.

n Engine number

The engine number is stamped on the engine block as shown.



Engine

Model	1NZ-FE
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	2.95 × 3.33 in. (75.0 × 84.7 mm)
Displacement	91.3 cu.in. (1497 cm^3)
Drive belt tension	68 — 90 lbf (300 — 400 N, 31 — 41 kgf)*  *: Drive belt tension measured with Boroughs drive belt tension gauge No. BT-33-73F when the engine is cold (used belt)

Fuel

Fuel type	Unleaded gasoline only
Octane rating	87 (Research octane number 91) or higher
Fuel tank capacity (Reference)	11.1 gal. (42.0 L, 9.2 Imp.gal.)

Lubrication system

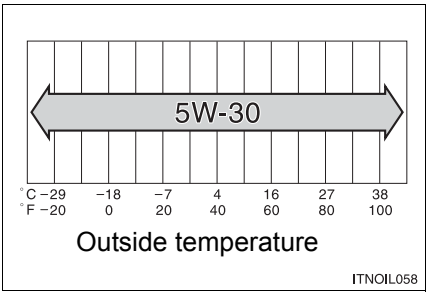
Oil capacity Drain and refill (Reference) ▶With filter ▶ Without filter	 3.9 qt. (3.7 L, 3.3 Imp.qt.) 3.6 qt. (3.4 L, 3.0 Imp.qt.)

n Engine oil selection

“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

Oil grade: ILSAC multigrade engine oil

Recommended viscosity :SAE 5W-30



SAE 5W-30 is the best choice for good fuel economy and good starting in cold weather.

If SAE 5W-30 is not available, SAE 10W-30 oil may be used. However, it should be replaced with SAE 5W-30 at the next oil change.

The 5W portion of the oil viscosity rating 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 oil viscosity when the oil is at its operating temperature. An oil with a higher viscosity may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container label:

The ILSAC (International Lubricant Standardization and Approval Committee) Certification Mark is added to some oil containers to help you select the oil you should use.

ITNOIL050

Cooling system

Capacity	▶ Vehicles with an automatic transmission 5.0 qt. (4.7 L, 4.1 Imp.qt.) ▶ Vehicles with a manual transmission 5.1 qt. (4.8 L, 4.2 Imp. qt.)
Coolant type	Use either of the following. • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

Ignition system

Spark plug		
Make	DENSO	SK16R11
	NGK	IFR5A11
Gap		0.043 in. (1.1 mm)

⚠ NOTICE

n **Iridium-tipped spark plugs**

Use only iridium-tipped spark plugs. Do not adjust gap when tuning engine.

Electrical system

Battery	
Open voltage at 68°F (20°C):	12.6 — 12.8 V Fully charged 12.2 — 12.4 V Half charged 11.8 — 12.0 V Discharged (Voltage checked 20 minutes after the key is removed with all the lights turned off)
Charging rates	5 A max.

Automatic transaxle

Fluid capacity*	6.8 qt. (6.4 L, 5.6 Imp.qt.)
Fluid type	Toyota Genuine ATF WS

*: The fluid capacity is the quantity of reference.
If replacement is necessary, contact your Toyota dealer.

NOTICE

n **Automatic transmission fluid type**

Using automatic transmission fluid other than “Toyota Genuine ATF WS” may cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage the automatic transmission of your vehicle.

Manual transaxle

Gear oil capacity (Reference)	2.0 qt. (1.9 L, 1.7 Imp.qt.)
Gear oil type	Gear oil API GL-4 or GL-5
Recommended gear oil viscosity	SAE 75W-90

Clutch

Clutch free play	0.2 — 0.6 in. (5 — 15 mm)
Fluid type	FMVSS No.116 DOT 3 or SAE J1703

Brakes

Pedal clearance *1 ▶Vehicle without the VSC ▶Vehicle with the VSC	 ▶Without the ABS 2.8 in. (70 mm) Min. ▶With the ABS 2.9 in. (73 mm) Min. 3.0 in. (76 mm) Min.
Pedal free play	0.04 — 0.24 in. (1 — 6 mm)
Brake pad wear limit	0.04 in. (1.0 mm)
Brake lining wear limit	0.04 in. (1.0 mm)
Parking brake lever travel *2	6 — 9 clicks
Fluid type	FMVSS No. 116 DOT 3 or SAE J1703

*1: Minimum pedal clearance when depressed with the pressure of 67.4 lbf (300 N, 31 kgf) with the engine running.

*2: Parking brake adjustment when pulled with the force of 44 lbf (196 N, 20 kgf).

Steering

Free play	Less than 1.2 in. (30 mm)

Tires and wheels

Tire size	P175/65R14 81S, P185/60R15 84T
Tire inflation pressure (Recommended cold tire inflation pressure)	Driving under normal conditions Front tires: 32 psi (220 kPa, 2.2 kgf/cm^2 or bar) Rear tires: 32 psi (220 kPa, 2.2 kgf/cm^2 or bar) Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law) Add 3 psi (20 kPa, 0.2 kgf/cm^2 or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.
Wheel size	14 × 5 J, 15 × 5 1/2 J
Wheel nut torque	76 ft·lbf (103 N·m, 10.5 kgf·m)

Spare

Tire size	T125/70D15 95M
Tire inflation pressure	60 psi (420 kPa, 4.2 kgf/cm^2 or bar)
Wheel size	15 × 4T
Wheel nut torque	76 ft·lbf (103 N·m, 10.5 kgf·m)

Light bulbs

	Light Bulbs	Bulb No	W	Type
Exterior	Headlights	—	60/55	A
	Front fog lights (if equipped)	—	55	B
	Front side marker lights	—	5	C
	Front turn signal/parking lights	—	21/5	C
	Rear turn signal lights	—	21	D
	Stop/tail and rear side marker lights	—	21/5	C
	Buck-up lights	—	18	C
	License plate lights	—	5	C
	High mounted stop-light (vehicles without a rear spoiler)	—	18	C
Interior	Interior light	—	8	E
	Personal lights	—	8	E
	Trunk light	—	3.8	E

A: HB2 halogen bulbs
B: H11 halogen bulbs
C: Wedge base bulbs
D: Wedge base bulbs (amber)
E: Double end bulbs

Fuel information

Your vehicle must use only unleaded gasoline.
Select octane rating 87 (Research Octane Number 91) or higher. Use of unleaded gasoline with an octane rating lower than 87 may result in engine knocking. Persistent knocking can lead to engine damage.

At minimum, the gasoline you use should meet the specifications of ASTM D4814 in the U.S.A. and CGSB3.5-M93 in Canada.

Fuel tank opening for unleaded gasoline

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

If your engine knocks

- Consult your Toyota dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.

Gasoline quality

In very few cases, driveability problems may be caused by the brand of gasoline you are using. If driveability problems persist, try changing the brand of gasoline. If this does not correct the problem, consult your Toyota dealer.

Gasoline quality standards

- Automotive manufacturers in the US, Europe and Japan have developed a specification for fuel quality called World-Wide Fuel Charter (WWFC) that is expected to be applied worldwide.
- The WWFC consists of four categories that are based on required emission levels. In the US, category 4 has been adopted.
- The WWFC improves air quality by lowering emissions in vehicle fleets, and customer satisfaction through better performance.

Toyota recommends the use of gasoline containing detergent additives

- Toyota recommends the use of gasoline that contains detergent additives to avoid build-up of engine deposits.
- All gasoline sold in the US contains detergent additives to clean and/or keep clean intake systems.

Toyota recommends the use of cleaner burning gasoline

Cleaner burning gasoline, including reformulated gasoline that contains oxygenates such as ethanol or MTBE (Methyl Tertiary Butyl Ether) is available in many areas.

Toyota recommends the use of cleaner burning gasoline and appropriately blended reformulated gasoline. These types of gasoline provide excellent vehicle performance, reduce vehicle emissions and improve air quality.

Toyota does not recommend blended gasoline

- Toyota allows the use of oxygenate blended gasoline where the oxygenate content is up to 10% ethanol or 15% MTBE.
- If you use gasohol in your Toyota, be sure that it has an octane rating no lower than 87.
- Toyota does not recommend the use of gasoline containing methanol.

Toyota does not recommend gasoline containing MMT

Some gasoline contains octane enhancing additive called MMT (Methylcyclopentadienyl Manganese Tricarbonyl).

Toyota does not recommend the use of gasoline that contains MMT. If fuel containing MMT is used, your emission control system may be adversely affected.

The malfunction indicator lamp on the instrument cluster may come on. If this happens, contact your Toyota dealer for service.

NOTICE

Notice on fuel quality

- Do not use improper fuels. If improper fuels are used the engine will be damaged.
- Do not use leaded gasoline.
  Leaded gasoline can cause damage to your vehicle's three-way catalytic converters causing the emission control system to malfunction.
- Do not use gasohol other than that stated here.
  Other gasohol may cause fuel system damage or vehicle performance problems.
- Use of unleaded gasoline with an octane rating lower than 87 may result in engine knocking. Persistent knocking can lead to engine damage and should be corrected by refueling with higher octane unleaded gasoline.

Fuel-related poor driveability

If after using a different type of fuel, poor driveability is encountered (poor hot starting, vaporization, engine knocking, etc.), discontinue the use of that type of fuel.

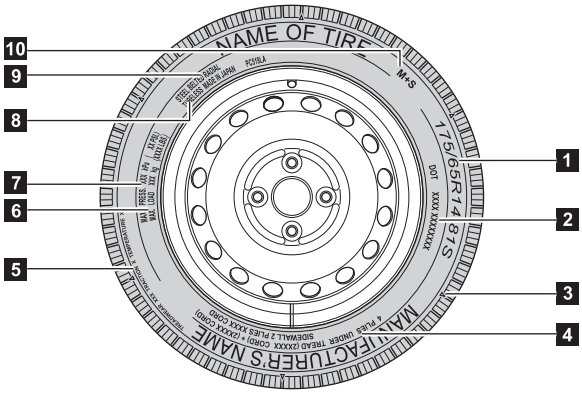
When refueling with gasohol

Take care not to spill gasohol.
It can damage your vehicle's paint.

Tire information

Typical tire symbols

▶Standard tire



STYOT00102

1 Tire size (→P. 350)

2 DOT and Tire Identification Number (TIN) (→P. 349)

3 Location of treadwear indicators (→P. 351)

4 Tire ply composition and materials

Plies are layers of rubber-coated parallel cords. Cords are the strands which form the plies in a tire.

5 Uniform tire quality grading

For details, see “Uniform Tire Quality Grading” that follows.

6 Load limit at maximum cold tire inflation pressure (→P. 353)

7 Maximum cold tire inflation pressure (→P. 353)

This means the pressure to which a tire may be inflalted.

8 TUBELESS or TUBE TYPE

A tubeless tire does not have a tube and air is directly filled in the tire. A tube type tire has a tube inside the tire and the tube maintains the air pressure.

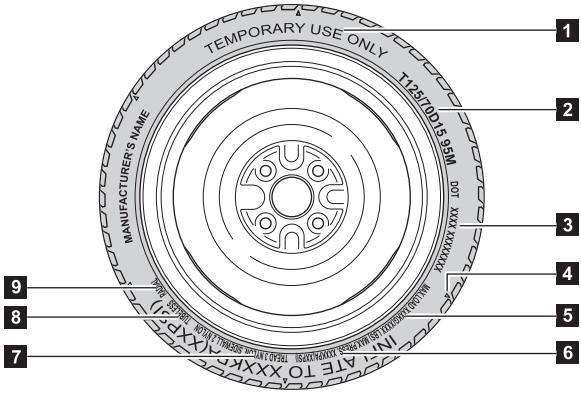
9 Radial tires or bias-ply tires

A radial tire has RADIAL on the sidewall. A tire not marked RADIAL is a bias-ply tire.

10 Summer tire or all season tire (→P. 351)

An all season tire has M+S on the sidewall. A tire not marked M+S is a summer tire.

▶Compact spare tire



STY61AA003

1 TEMPORARY USE ONLY (→P. 309)

A compact spare tire is identified by the phrase TEMPORARY USE ONLY molded into its sidewall. This tire is designed for temporary emergency use only.

2 Tire size (→P. 350)

3 DOT and Tire Identification Number (TIN) (→P. 349)

4 Location of treadwear indicators (→P. 351)

5 Load limit at maximum cold tire inflation pressure (→P. 353)

6 Maximum cold tire inflation pressure (→P. 353)

This means the pressure to which a tire may be inflated.

7 Tire ply composition and materials

Plies are layers of rubber-coated parallel cords. Cords are the strands which form the plies in a tire.

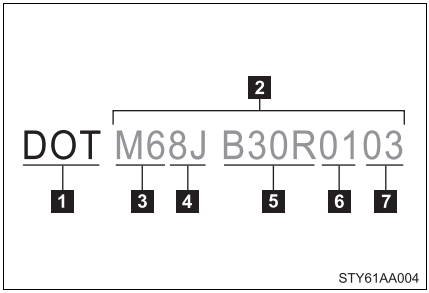
8 TUBELESS or TUBE TYPE

A tubeless tire does not have a tube and air is directly filled in the tire. A tube type tire has a tube inside the tire and the tube maintains the air pressure.

9 Radial tires or bias-ply tires

A radial tire has RADIAL on the sidewall. A tire not marked RADIAL is a bias-ply tire.

Typical DOT and tire identification number (TIN)



1 DOT symbol*

2 Tire Identification Number (TIN)

3 Tire manufacturer's identification mark

4 Tire size code

5 Manufacturer's optional tire type code (3 or 4 letters)

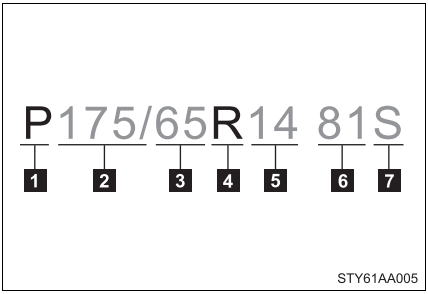
6 Manufacturing week

7 Manufacturing year

*:The DOT symbol certifies that the tire conforms to applicable Federal Motor Vehicle Safety Standards.

Tire size

n Typical tire size information



The illustration indicates typical tire size.

1 Tire use
(P = Passenger car,
T = Temporary use)

2 Section width (millimeters)

3 Aspect ratio
(tire height to section width)

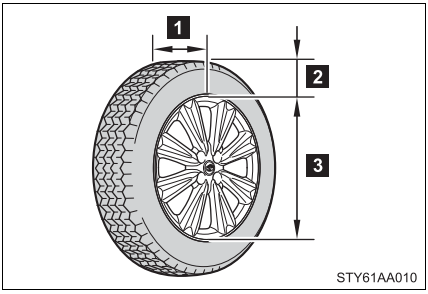
4 Tire construction code
(R = Radial, D = Diagonal)

5 Wheel diameter (inches)

6 Load index (2 digits or 3 digits)

7 Speed symbol
(alphabet with one letter)

n Tire dimensions

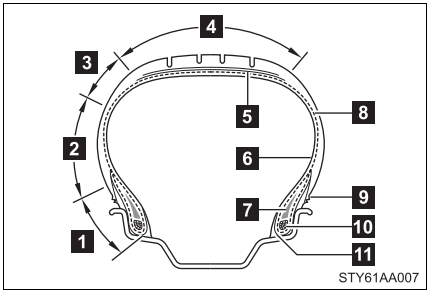


1 Section width

2 Tire height

3 Wheel diameter

Tire section names



1 Bead
2 Sidewall
3 Shoulder
4 Tread
5 Belt
6 Inner liner
7 Reinforcing rubber
8 Carcass
9 Rim lines
10 Bead wires
11 Chafer

Uniform Tire Quality Grading

This information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S.A. Department of Transportation.
It provides the purchasers and/or prospective purchasers of Toyota vehicles with information on uniform tire quality grading.

Your Toyota dealer will help answer any questions you may have as you read this information.

n DOT quality grades

All passenger vehicle tires must conform to Federal Safety Requirements in addition to these grades. Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example: Treadwear 200 Traction AA Temperature A

n Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.

For example, a tire graded 150 would wear one and a half (1 - 1/2) times as well on the government course as a tire graded 100.
The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

n Traction AA, A, B, C

The traction grades, from highest to lowest, are AA, A, B and C, and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete.

A tire marked C may have poor traction performance.

Warning: The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

n Temperature A, B, C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109.

Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning: The temperature grades for this tire are established for a tire that is properly inflated and not overloaded.
Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Glossary of tire terminology

Tire related term	Meaning
Cold tire inflation pressure	Tire pressure when the vehicle has been parked for three hours or more, or has not been driven more than 1 mile or 1.5 km under that condition
Maximum inflation pressure	The maximum cold inflated pressure to which a tire may be inflated, shown on the sidewall of the tire
Recommended inflation pressure	Cold tire inflation pressure recommended by a manufacturer
Accessory weight	The combined weight (in excess of those standard items which may be replaced) of transmission, power steering, power brakes, power windows, power seats, radio and heater, to the extent that these items are available as factory-installed equipment (whether installed or not)
Curb weight	The weight of a motor vehicle with standard equipment, including the maximum capacity of fuel, oil and coolant, and if so equipped, air conditioning and additional weight optional engine
Maximum loaded vehicle weight	The sum of: (a) Curb weight (b) Accessory weight (c) Vehicle capacity weight (d) Production options weight
Normal occupant weight	150 lb. (68 kg) times the number of occupants specified in the second column of Table 1* that follows

Tire related term	Meaning
Occupant distribution	Distribution of occupants in a vehicle as specified in the third column of Table 1* below
Production options weight	The combined weight of installed regular production options weighing over 5 lb. (2.3 kg) in excess of the standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim
Rim	A metal support for a tire or a tire and tube assembly upon which the tire beads are seated
Rim diameter (Wheel diameter)	Nominal diameter of the bead seat
Rim size designation	Rim diameter and width
Rim type designation	The industry manufacturer's designation for a rim by style or code
Rim width	Nominal distance between rim flanges
Vehicle capacity weight (Total load capacity)	The rated cargo and luggage load plus 150 lb. (68 kg) times the vehicle's designated seating capacity
Vehicle maximum load on the tire	The load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight, and dividing by two
Vehicle normal load on the tire	The load on an individual tire that is determined by distributing to each axle its share of curb weight, accessory weight, and normal occupant weight (distributed in accordance with Table 1* below), and dividing by two
Weather side	The surface area of the rim not covered by the inflated tire

Tire related term	Meaning
Bead	The part of the tire that is made of steel wires, wrapped or reinforced by ply cords and that is shaped to fit the rim
Bead separation	A breakdown of the bond between components in the bead
Bias ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at alternate angles substantially less than 90 degrees to the centerline of the tread
Carcass	The tire structure, except tread and sidewall rubber which, when inflated, bears the load
Chunking	The breaking away of pieces of the tread or sidewall
Cord	The strands forming the plies in the tire
Cord separation	The parting of cords from adjacent rubber compounds
Cracking	Any parting within the tread, sidewall, or innerliner of the tire extending to cord material
CT	A pneumatic tire with an inverted flange tire and rim system in which the rim is designed with rim flanges pointed radially inward and the tire is designed to fit on the underside of the rim in a manner that encloses the rim flanges inside the air cavity of the tire
Extra load tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Groove	The space between two adjacent tread ribs
Innerliner	The layer(s) forming the inside surface of a tubeless tire that contains the inflating medium within the tire
Innerliner separation	The parting of the innerliner from cord material in the carcass

Tire related term	Meaning
Intended outboard sidewall	(a)The sidewall that contains a whitewall, bears white lettering, or bears manufacturer, brand, and/or model name molding that is higher or deeper than the same molding on the other sidewall of the tire, or (b)The outward facing sidewall of asymmetrical tire that has a particular side that must always face outward when mounted on a vehicle
Light truck (LT) tire	A tire designated by its manufacturer as primarily intended for use on lightweight trucks or multipurpose passenger vehicles
Load rating	The maximum load that a tire is rated to carry for a given inflation pressure
Maximum load rating	The load rating for a tire at the maximum permissible inflation pressure for that tire
Maximum permissible inflation pressure	The maximum cold inflation pressure to which a tire may be inflated
Measuring rim	The rim on which a tire is fitted for physical dimension requirements
Open splice	Any parting at any junction of tread, sidewall, or innerliner that extends to cord material
Outer diameter	The overall diameter of an inflated new tire
Overall width	The linear distance between the exteriors of the sidewalls of an inflated tire, including elevations due to labeling, decorations, or protective bands or ribs
Passenger car tire	A tire intended for use on passenger cars, multipurpose passenger vehicles, and trucks, that have a gross vehicle weight rating (GVWR) of 10,000 lb. or less
Ply	A layer of rubber-coated parallel cords

Tire related term	Meaning
Ply separation	A parting of rubber compound between adjacent plies
Pneumatic tire	A mechanical device made of rubber, chemicals, fabric and steel or other materials, that, when mounted on an automotive wheel, provides the traction and contains the gas or fluid that sustains the load
Radial ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at substantially 90 degrees to the centerline of the tread
Reinforced tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Section width	The linear distance between the exteriors of the sidewalls of an inflated tire, excluding elevations due to labeling, decoration, or protective bands
Sidewall	That portion of a tire between the tread and bead
Sidewall separation	The parting of the rubber compound from the cord material in the sidewall
Snow tire	A tire that attains a traction index equal to or greater than 110, compared to the ASTM E-1136 Standard Reference Test Tire, when using the snow traction test as described in ASTM F-1805-00, Standard Test Method for Single Wheel Driving Traction in a Straight Line on Snow-and Ice-Covered Surfaces, and which is marked with an Alpine Symbol ( ) on at least one sidewall
Test rim	The rim on which a tire is fitted for testing, and may be any rim listed as appropriate for use with that tire

Tire related term	Meaning
Tread	That portion of a tire that comes into contact with the road
Tread rib	A tread section running circumferentially around a tire
Tread separation	Pulling away of the tread from the tire carcass
Treadwear indicators(TWI)	The projections within the principal grooves designed to give a visual indication of the degrees of wear of the tread
Wheel-holding fixture	The fixture used to hold the wheel and tire assembly securely during testing

*:Table 1 — Occupant loading and distribution for vehicle normal load for various designated seating capacities

Designated seating capacity, Number of occupants	Vehicle normal load, Number of occupants	Occupant distribution in a normally loaded vehicle
2 through 4	2	2 in front
5 through 10	3	2 in front, 1 in second seat
11 through 15	5	2 in front, 1 in second seat, 1 in third seat, 1 in fourth seat
16 through 20	7	2 in front, 2 in second seat, 2 in third seat, 1 in fourth seat

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to your preferences. Programming these preferences requires specialized equipment and may be performed by an authorized Toyota dealership.

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

Item	Function	Default setting	Customized setting
Wireless remote control (→P. 26)	Wireless remote control	ON	OFF
	Unlocking operation	Driver's door unlocked in one step, all doors unlocked in two steps	All doors unlocked in one step
	Time elapsed before automatic door lock function is activated if door is not opened after being unlocked	30 seconds	60 seconds
	Operation signal (Emergency flashers)	ON	OFF
	Panic function	ON	OFF
Door lock (→P. 28)	Unlocking using a key	Driver's door unlocked in one step, all doors unlocked in two steps	All doors unlocked in one step

Item	Function	Default setting	Customized setting
Illumination (→P. 198)	Time elapsed before lights turn off	15 seconds	7.5 seconds
			30 seconds
	Operation after the engine switch is turned to the LOCK position	ON	OFF
	Operation when the doors are unlocked	ON	OFF
Seat Belt Reminder Buzzer (→P. 300)	Vehicle speed linked seat belt reminder buzzer	ON	OFF

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. 237

Reporting safety defects for U.S. owners

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Toyota Motor Sales, U.S.A., Inc. (Toll-free: 1-800-331-4331).

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Toyota Motor Sales, U.S.A., Inc.

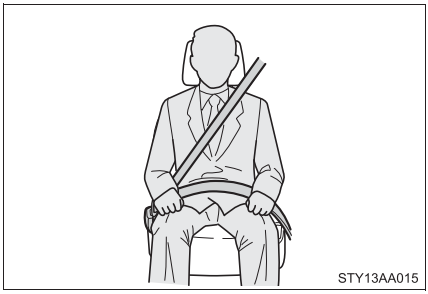
To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to *http://www.safercar.gov*; or write to: Administrator, NHTSA, 1200 New Jersey Ave, S.E., Washington, DC 20590. You can also obtain other information about motor vehicle safety from *http://www.safercar.gov*.

Seat belt instructions for Canadian owners (in French)

The following is a French explanation of seat belt instructions extracted from the seat belt section in this manual.

See the seat belt section for more detailed seat belt instructions in English.

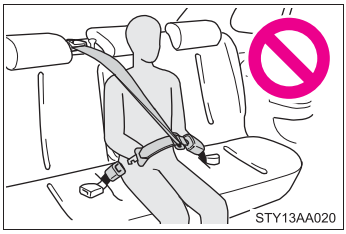
Utilisation adéquate des ceintures de sécurité



- Tirez sur la ceinture épaulière jusqu'à ce qu'elle recouvre entièrement l'épaule; elle ne doit cependant pas toucher le cou ni glisser de l'épaule.
- Placez la sangle abdominale de la ceinture de sécurité le plus bas possible sur les hanches.
- Réglez la position du dossier du siège. Tenez-vous assis dans le fond du siège, le dos droit.
- Ne tournez pas la ceinture de sécurité.

ATTENTION

Lorsqu'on utilise la ceinture de sécurité du siège arrière central



N'utilisez pas la ceinture de sécurité centrale arrière si l'une des boucles est retirée. Fixer une seule boucle pourrait occasionner des blessures graves, voire mortelles, en cas de freinage brusque ou de collision.

Entretien et soins

Ceintures de sécurité

Avec un tissu ou une éponge, nettoyez à l'aide d'un savon doux et de l'eau tiède. Vérifiez aussi les ceintures régulièrement pour vous assurer qu'elles ne présentent pas d'usure excessive, d'effilochage ou de coupures.

ATTENTION

Dommages et usure de la ceinture de sécurité

Vérifiez périodiquement le système de ceintures de sécurité. Assurez-vous qu'il n'y a pas de coupures, d'effilochures ni de pièces desserrées. N'utilisez pas une ceinture de sécurité endommagée avant qu'elle soit remplacée. Une ceinture de sécurité endommagée ne peut pas protéger les occupants contre les blessures.

Abbreviation/Acronym list

ABBREVIATIONS	MEANING
ABS	Anti-Lock Brake System
ACC	Accessory
ALR	Automatic Locking Retractor
CRS	Child Restraint System
ECU	Electronic Control Unit
EDR	Event Data Recorder
ELR	Emergency Locking Retractor
EPS	Electric Power Steering
GAWR	Gross Axle Weight Ratings
GVWR	Gross Vehicle Weight Rating
I/M	Emission inspection and maintenance
LATCH	Lower Anchors and Tethers for Children
LED	Light Emitting Diode
LT	Light truck
M + S	Mud + Snow
MMT	Methylcy clopentadienyl Manganese Tricarbonyl
MTBE	Methyl Tertiary Butyl Ether
OBD	On Board Diagnostics
ODO	Odometer
RES	Resume
SRS	Supplemental Restraint System
TIN	Tire Identification Number
TPMS	Tire Pressure Warning System
TRAC	Traction Control
TWI	Treadwear Indicators
VIN	Vehicle Identification Number
VSC	Vehicle Stability Control

Alphabetical index

A

A/C 164
ABS
ABS 139
Warning light 298
Air conditioning filter 258
Air conditioning system
Air conditioning filter 258
Air conditioning system 164
Airbags
Airbag operating conditions 72
Airbag precautions for your child 76
Curtain shield airbag operating conditions 72
Curtain shield airbag precautions 76
Front passenger occupant classification system 81
General airbag precautions 76
Indicators 81
Locations of airbags 69
Modification and disposal of airbags 80
Proper driving posture 67, 76
Side airbag operating conditions 72
Side airbag precautions 76
SRS airbags 69
Warning light 298
Alarm 64
Antenna 178
Anti-lock brake system
Anti-lock brake system 139
Warning light 298
Armrest 212
Ashtrays 209
Audio input 196
Audio system
Antenna 178
Audio input 196
AUX adapter 196
CD player 181
MP3/WMA disc 187
Optimal use 194
Portable music player 196
Radio 175
Type 172
Automatic transmission
Automatic transmission 114
Fluid 339
If the shift lever cannot be shifted from P 320
Indicators 114
Shift lock system 320
AUX adapter 196
Auxiliary box 204

B

Back-up lights
Replacing light bulbs 274
Wattage 342
Battery
Checking 242
If the vehicle battery is discharged 322
Preparing and checking before winter 148
Voltage 338
Warning light 298
Bottle holders 204
Brake assist 139
Brakes
Fluid 240
Parking brake 118
Specifications 340
Warning light 297
Break-in tips 102

C

Care
Exterior 216
Interior 218
Seat belts 219
Cargo capacity 144
CD player 181
Chains 148

Child restraint system
Booster seats, definition.....86
Booster seats, installation 90
Convertible seats, definition 86
Convertible seats, installation.....90
Front passenger occupant classification system 81
Infant seat, definition 86
Infant seats, installation.....90
Installing CRS with LATCH system 91
Installing CRS with seat belts 92
Installing CRS with top tether straps.....96
Child safety
Airbag precautions 76
Battery precautions 243, 323
Child restraint system.....86
Child-protectors.....31
How your child should wear the seat belt 48
Installing child restraints.....90
Power window lock switch.....57
Power window precautions 57
Removed key battery precautions 262
Seat belt extender precautions 50
Seat belt precautions 48
Trunk precautions 35
Child-protectors 31
Cigarette lighter 210
Cleaning
Exterior.....216
Interior.....218
Seat belts 219
Clock 121,208
Clutch
Fluid 339
Pedal.....100,116
Condenser 240
Console box 201
CRS 86
Cruise control
Cruise control.....136
Indicator 136
Cup holders.....202
Curtain shield airbags 69
Customizable features 359

D

Daytime running light system.....131
Defogger
Rear window 170
Side mirrors.....170
Dimension 332
Do-it-yourself maintenance 227
Doors
Door glasses 56
Door lock.....28
Side doors.....28
Side mirrors.....53
Warning light.....300
Driver's seat belt reminder light.....300
Driving
Break-in tips 102
Correct posture 67
Procedures.....100
Winter driving tips 148

E

Electric power steering
Electric power steering.....139
Warning light.....298
Emergency flashers
Switch 286
Emergency, in case of
If the engine will not start 318
If the shift lever cannot be shifted from P 320
If the vehicle battery is discharged.....322

If the warning buzzer sounds 297
If the warning light turns on .. 297
If you have a flat tire 307
If you lose your keys..... 321
If you think something is wrong 293
If the vehicle becomes stuck..... 328
If your vehicle has to be stopped in an emergency... 330
If your vehicle needs to be towed 287
If your vehicle overheats 325
Engine
Compartment..... 234
Engine switch 110
Hood..... 231
How to start the engine 110
Identification number 334
If the engine will not start..... 318
Ignition switch..... 110
Immobilizer system..... 62
Overheating..... 325
Specifications 335
Warning light 298
Engine coolant
Capacity 337
Checking 239
Indicator..... 126
Preparing and checking before winter 148
Type 337
Warning light 298
Engine immobilizer system..... 62
Engine oil
Capacity 336
Checking 235
Grade 336
Initializing the maintenance data 237
Preparing and checking before winter 148
Warning light 298
Engine switch.....110
Engine oil maintenance data 237
EPS
EPS 139
Warning light 298
Event data recorder 295

F

Floor mat.....213
Fluid
Automatic transmission 339
Brake.....240
Clutch 339
Warning light 297, 300
Washer.....244
Fog lights
Indicator 132
Replacing light bulbs 274
Switch.....132
Wattage.....342
Front fog lights
Indicator 132
Replacing light bulbs 274
Switch.....132
Wattage.....342
Front passenger's seat belt reminder light.....300
Front seats
Adjustment 37
Front side marker lights
Replacing light bulbs 274
Switch.....130
Wattage.....342
Front turn signal lights
Indicator 117
Lever 117
Replacing light bulbs 274
Switch.....117
Wattage.....342
Fuel
Capacity 335
Fuel pump shut off system 294

Gas station information 380
Gauge 121
Information 343
Refueling 58
Type 335
Warning light 300
Fuel door.....58
Fuel filler door 58
Fuel gauge 121
Fuel pump shut off system 294
Fuses.....263

G

Gas station information.....380
Gauges.....121
Glove box.....201

H

Hazard lights
Switch.....286
Head restraints
Adjusting 41
Headlights
Indicator 130
Replacing light bulbs 274
Switch.....130
Wattage.....342
High mounted stoplight
Replacing light bulbs 274
Wattage.....342
Hood.....231
Horn.....120

I

I/M test.....226
Identification
Engine 334
Tire 346
Vehicle 333
Ignition switch.....110
Illuminated entry system.....198
Immobilizer system.....62
Indicator lights 126
Initialization
Items to initialize.....361
Inside rear view mirror 52
Interior light
Switch 199
Wattage.....342

J

Jack
Positioning a floor jack 232
Vehicle-equipped jack.....307
Jack handle 307

K

Keys
Electronic key.....24
Engine switch.....110
If you lose your keys 321
Ignition switch 110
Key battery.....261
Key number plate.....24
Keys 24
Mechanical key 24
Wireless remote control 26

L

License plate lights
Replacing light bulbs.....274
Switch 130
Wattage.....342
Light bulbs
Replacing 274
Wattage.....342
Lights
Emergency flashers switch.....286
Fog lights switch 132
Hazard lights switch 286
Headlights switch 130
Instrument panel lights switch.....130
Interior light switch 199
License plate lights switch 130
Parking lights switch 130
Personal lights switch 199
Replacing light bulbs.....274
Side marker lights switch 130

Tail lights switch 130
Turn signal lights switch 117
Load capacity 147
Lock steering column 112

M

Maintenance
Do-it-yourself maintenance 227
Emission inspection and maintenance (I/M) programs..... 226
General maintenance 223
Maintenance data..... 332
Maintenance requirements... 221
Vehicle exterior..... 216
Vehicle interior..... 218
Manual transmission
Manual transmission 116
Oil..... 339
Meter
Instrument panel light control 125
Meters 121
Mirrors
Inside rear view mirror..... 52
Side mirror heaters..... 170
Side mirrors 53
Vanity mirrors 207
MP3 disc..... 187

N

Noise from under vehicle 18

O

Odometer 124
Oil
Engine oil..... 235
Manual transmission 339
Warning light 298,300
Opener
Fuel door 58
Fuel filler door..... 58
Hood..... 231
Trunk 33
Outside rear view mirrors
Adjusting 53
Defogger 170
Folding 54
Overheating, Engine 325

P

Parking brake 118
Parking lights
Replacing light bulbs.....274
Switch.....130
Wattage.....342
Personal lights
Switch.....199
Wattage.....342
Portable ashtray.....209
Power outlet 211
Power windows.....56

R

Radiator 240
Radio.....175
Rear seat
Folding down.....38
Rear side marker lights
Replacing light bulbs.....274
Switch.....130
Wattage.....342
Rear turn signal lights
Indicator 117
Lever 117
Replacing light bulbs.....274
Switch.....117
Wattage.....342
Rear window defogger 170
Replacing
Key battery.....261
Fuses 263
Light bulbs.....274
Tires 246,307
Reporting safety defects for U.S. owners 364

S

Seat belts
Adjustment 45
ALR 47
Automatic Locking Retractor ...47
Child restraint system installation.....86, 90
Cleaning and maintaining.....219
ELR 47
Emergency Locking Retractor 47
How to wear your seat belt.....44
How your child should wear the seat belt 48
Pregnant women, proper seat belt use 47
Reminder light.....300
Seat belt extenders 48
Seat belt pretensioners 46
Seats
Adjustment 37
Adjustment precautions.....37
Child seats/child restraint system installation 86, 90
Cleaning 218
Folding down the rear seat.....38
Folding down the rear seat precautions 40
Front seat adjustment 37
Front seat adjustment precautions 37
Head restraint.....41
Properly sitting in the seat.....67
Service reminder indicators 126
Shift lever
Automatic transmission.....114
If the shift lever cannot be shifted from P.....320
Manual transmission 116
Shift lock system 320
Side airbags.....69
Side marker lights
Replacing light bulbs.....274
Switch 130
Wattage.....342
Side mirror
Adjusting 53
Defogger 170
Folding 54
Spare tire
Identification number.....346
Inflation pressure 252, 341
Information 346
Replacing 307
Size 341
Storage location 307
Spark plug 338
Specifications 332
Speedometer 121
Steering wheel
Adjustment 51
Column lock release 112
Electric power steering.....139
EPS 139
Specification.....340
Warning light 298
Stop lights
Replacing light bulbs.....274
Wattage.....342
Storage features
Auxiliary box.....200, 204
Bottle holders 200, 204
Console box 200, 201
Cup holders.....200, 202
Glove box.....201
Storage precautions 146
Stuck
If the vehicle becomes stuck 328
Sun visors 206
Switch
Cruise control.....136
Emergency flashers switch.....286
Engine switch.....110
Fog lights switch 132

Ignition switch 110
Hazard lights switch 286
Headlights switch 130
Light switch..... 130
Power door lock switch..... 28
Power window switch 56
Turn signal lights 117
VSC OFF switch..... 140
Window lock switch 57
Wiper and washer 133

T

Tachometer..... 121
Tail lights
Indicator..... 130
Replacing light bulbs 274
Switch..... 130
Wattage 342
Theft deterrent system
Alarm 64
Engine immobilizer system..... 62
Theft prevention labels 66
Theft prevention labels..... 66
Tire inflation pressure 252
Tire information
Glossary 353
Size 350
Tire identification number..... 349
Uniform tire quality grading 351
Tires
Chains 148
Checking 246
If you have a flat tire 307
Identification number..... 346
Inflation pressure..... 252, 341
Inflation pressure sensor..... 247
Information 346
Replacing 246, 307
Rotating tires 246
Size 341
Snow tires..... 148
Spare tire..... 307
Tire pressure warning system 246, 300
Warning light 300
Tools 307
Total load capacity.....147
Towing
Dinghy towing.....160, 161
Emergency towing.....287
Trailer towing.....151, 152
Trip meter 124
Trunk 33
Trunk light
Wattage.....342
Turn signal lights
Indicator 117
Lever 117
Replacing light bulbs 274
Switch.....117
Wattage.....342

V

Vanity mirrors.....207
Vehicle identification number 333
Vehicle stability control.....139
VSC.....139

W

Warning buzzers
Brake system 297
Seat belt reminder.....300
Warning lights
ABS 298
Airbag system 298
Anti-lock brake system 298
Brake system 297
Charging system 298
Driver's seat belt 300
Electric power steering system 298
Electronic engine control system 298
Engine oil replacement.....300
EPS system.....298

Front passenger occupant classification system 298
Front passenger's seat belt...300
High engine coolant temperature 298
Low brake fluid 297
Low engine oil pressure 298
Low fuel level 300
Low tire inflation pressure 300
Low washer fluid 300
Malfunction.....298
Open door 300
Seat belt.....300
Seat belt pretensioner system 298
SRS.....298
SRS airbag system 298
Tire pressure.....300
Tire pressure warning system 300
VSC/TRAC.....139
Washer
Checking 244
Preparing and checking before winter.....148
Switch.....133
Warning light 300
Washing and waxing 216
Weight
Cargo capacity 144
Load limits.....147
Weight.....332
Wheels 256
Window glasses 56, 170, 216, 218
Window lock switch.....57
Windows
Cleaning and protecting.....216, 218
Power windows 56
Rear window defogger 170
Washer.....133
Windshield wipers 133
Wireless remote control key
Replacing the key battery 261
Wireless remote control 26
WMA disc.....187

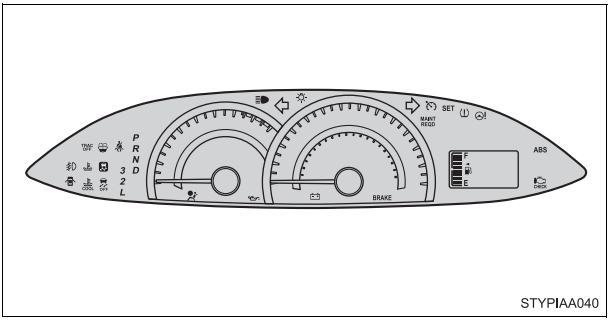
What to do if...

A tire punctures	P. 307	If you have a flat tire
The engine does not start	P. 318	If the engine will not start
	P. 62	Engine immobilizer system
	P. 322	If the vehicle battery is discharged
The shift lever cannot be moved out	P. 320	If the shift lever cannot be shifted from P
The engine coolant temperature warning light flashes or comes on	P. 325	If your vehicle overheats
Steam can be seen coming from under the hood		
The key is lost	P. 321	If you lose your keys
The battery runs out	P. 322	If the vehicle battery is discharged
The doors cannot be locked	P. 28	Doors
The horn begins to sound	P. 64	Alarm
The vehicle is stuck in mud or sand	P. 328	If the vehicle becomes stuck

The warning light or indicator light comes on | P. 297 | If a warning light turns on

n Instrument cluster

▶ Vehicles with Optitron type meters



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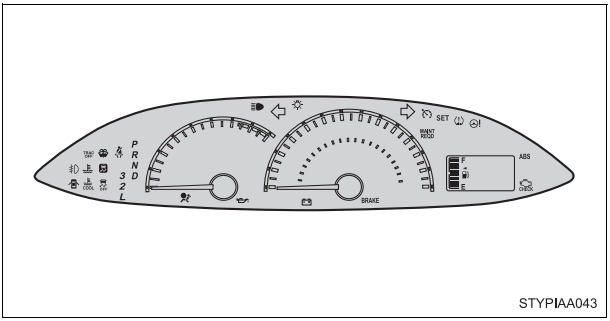
▶ Vehicles without Optitron type meters



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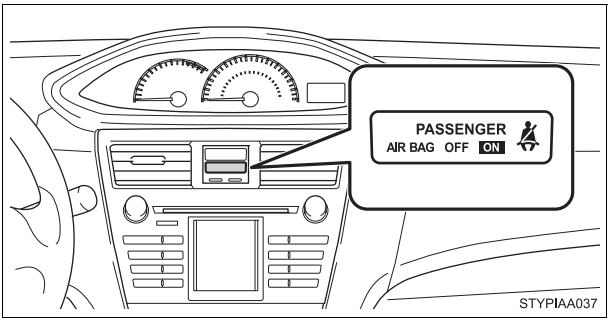
n Center panel



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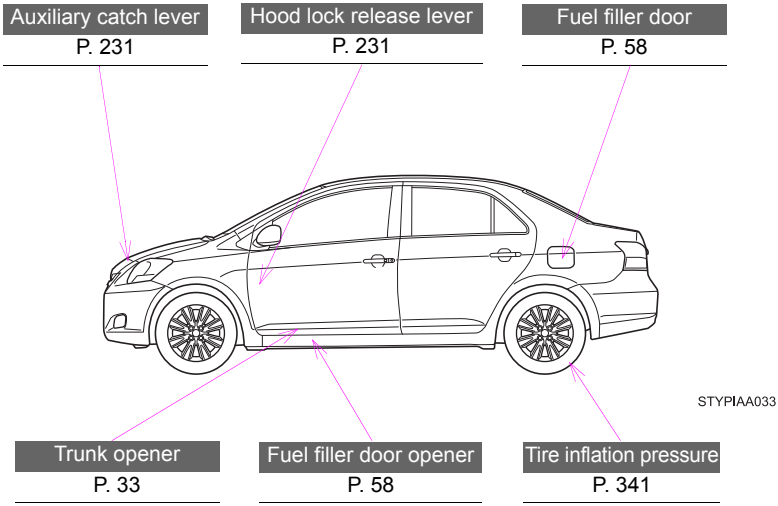
nWarning lights

BRAKE or	Brake system warning light	P. 297
	Charging system warning light	P. 298
	Low engine oil pressure warning light	P. 298
	High engine coolant temperature warning light	P. 298
CHECK or	Malfunction indicator lamp	P. 298
ABS or	ABS warning light	P. 299
	Slip indicator*	P. 299
MAINT REQD	Engine oil replacement reminder light	P. 301
	SRS warning light	P. 299
	Electric power steering warning light	P. 299
	Open door warning light	P. 300
	Low fuel level warning light	P. 300
	Low washer fluid warning light	P. 301
	Driver's seat belt reminder light	P. 300
PASSENGER	Front passenger's seat belt reminder light	P. 300
	Tire pressure warning light	P. 301

*: Slip indicator comes on.

GAS STATION INFORMATION



Fuel tank capacity	11.1 gal. (42.0 L, 9.2 Imp.gal.)
Fuel type	Unleaded gasoline, Octane Rating 87 (Research Octane Number 91) or higher
Cold tire inflation pressure	P. 341
Engine oil capacity (Drain and refill)	qt. (L, Imp.qt.) With filter 3.9 (3.7, 3.3) Without filter 3.6 (3.4, 3.0)
Engine oil type	Toyota Genuine Motor Oil or equivalent Oil grade: ILSAC multigrade engine oil. P. 336 Recommended oil viscosity: SAE 5W-30